Live In Seconds.

Go Mobile!

CONTENTS

HS-2000L   HS-2800   MS-2800   OBV-2800

MS-3000   MS-900   HS-600   HS-500

HD/SD 12-CHANNEL
MOBILE VIDEO STUDIO
OBV-2800

OBV-2800 is a PPU (portable production unit), designed to fit into the back of a small van to provide complete mobile production facilities. It's a mobile, transportable solution for broadcasters and professionals for both in-studio and on-location productions.

Built around the latest HD / SD switcher, it supports up-to 12 channels of HD/SD-SDI, HDMI or composite video signals. The system is integrated, compact and sturdy with a metal framework for great stability and protection yet provides room for future expansion. With power-efficient modules, OBV-2800 can be powered by a DC 12V supply.

Datavideo OBV-2800 is easy to install and cost-effective.

Live Events

Outdoor Broadcast

In Studio

FEATURES

The OBV-2800 is based on Datavideo SE-2800, 8/12 channels HD/SD digital video switcher and incorporates:
- 2 x TLM-170HR: HD monitors for multiviewer/PGM
- 2 x HDR-70: HD recorders for PGM and AUX
- VSM-100: vectorscope / waveform monitor
- ITC-100: 8-ch intercom / tally system with 8-Ch belt pack
- AM-100: 5-ch audio mixer
- AD-100: audio delay box
- PD-2A: power distributor (8 x DC 12V)
- PD-3: 8-ch power center
- RP-45: 8-ch CV return video

- 4-ch VP-445 SDI amplifier
- Digital/Analog converter: DAC-50
- Optional PD-4A AC redundant power center
- Optional 30m / 50m all-in-one cable CB-22/23 and cable extender VP-605
- Optional MCU-200: multi-camera controller for Panasonic cameras
- Optional CG-350 HD/SD CG system

All the above items have been designed into two racks with foldable tables for ease of operation in studio, at locations or in a van.

Easy installation into a van with a customized OBV rack base

BENZ VIANO

Remove chairs

Install mounting bracket

Install OBV Rack base

JINBEI AUTOMOTIVE

Remove chairs

Install OBV Rack base

HYUNDAI

Remove chairs

Install OBV Rack base

Roll in the OBV-2800

Cable drums

OB on the go

APPLICATION

Reconvert OBV into a passenger vehicle

OBV-2800 operation in a OB van

FRONT VIEW

TLM-170HR
17.3" HD/SD LCD monitor

AD-100 audio delay box

AM-100 audio mixer

ITC-200 8-CH intercom system

SE-2800
HD/SD 12-ch switcher

VSM-100
vectorscope monitor

HDR-70
HD/SD video recorder

MCU-100
multi-camera control unit

REAR VIEW

RP-45A
8-ch look back system

RP-31 intercom patch panel

PP-ONE E

PP-ONE X

RP-Bridge

A/V patch panel

A/V patch panel

PD-5 AC power distributor

PD-6
camera power center

PD-2A
studio power distributor

SIDE VIEW

Operation in a van or in the field

1 **2** **3**

4 **5** **6**
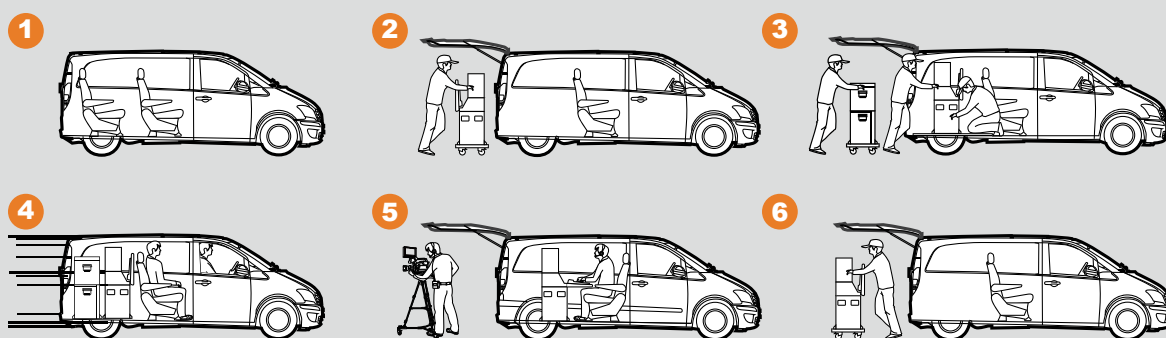
DIAGRAM

Video Connection

TLM-170HR
17.3" HD/SD TFT LCD Monitor
(PGM Monitoring)

TLM-170HR
17.3" HD/SD TFT LCD Monitor
(Multi-viewer)

HDMI
HDMI

SDI

datavideo HDR-70
HD/SD Digital Video Recorder   AUX Recording   HDMI

SDI

SDI
datavideo HDR-70
HD/SD Digital Video Recorder   PGM Recording   HDMI

SDI   SDI
VP-445   SDI

SDI

VSM-100 Sampling Vector Scope Monitor   HDMI

CV   SDI

datavideo TLM-430
4.3" Look-Back Monitor

datavideo RP-45A
8-CH Return Video

Audio Connection

Audio input
from Mixer

EMBEDDED
AUDIO SDI

AD-100 Audio Delay Box

datavideo AM-100
Audio Mixer

D-SUB
15 PIN   1
         2   Intercom

TALLY 1-3

Tally and Power connection
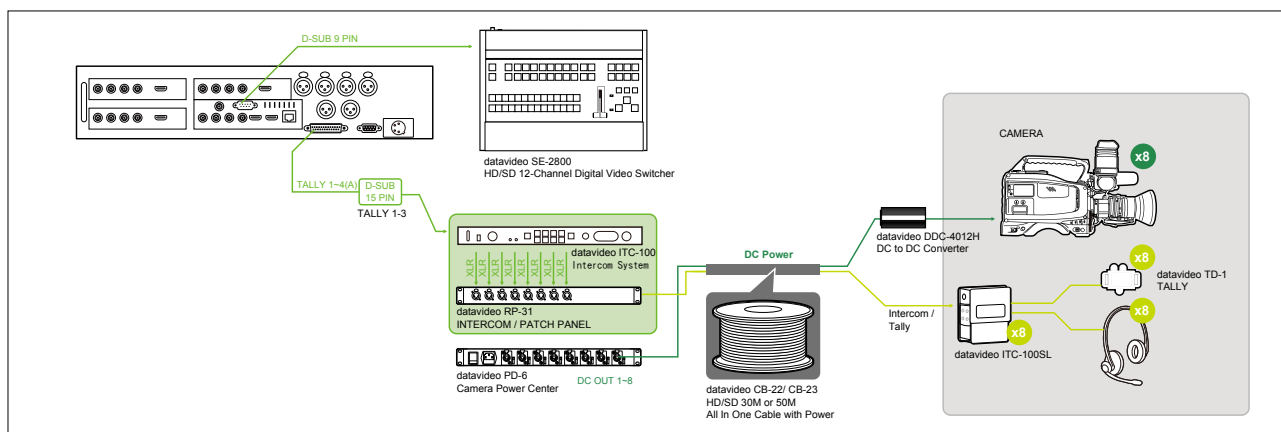
D-SUB 9 PIN

datavideo SE-2800
HD/SD 12-Channel Digital Video Switcher

CAMERA   x8

TALLY 1~4(A)   D-SUB
15 PIN
TALLY 1-3

datavideo ITC-100
Intercom System

DC Power

datavideo DDC-4012H
DC to DC Converter

x8   datavideo TD-1
TALLY

datavideo RP-31
INTERCOM / PATCH PANEL

Intercom /
Tally

x8

datavideo ITC-100SL

datavideo PD-6
Camera Power Center   DC OUT 1~8

datavideo CB-22/ CB-23
HD/SD 30M or 50M
All In One Cable with Power

ACCESSORIES INCLUDED

ITC-100SL	TD-2	CB-3	CB-7
Intercom belt pack	Tally light indicator	20m 5-Pin intercom cable	1.2m GPI cable
LP-1 MC-2	HP-2	HP-1	CR-1
Gooseneck light & microphone	Dual-side headset	Single-side headset	OBV trolley

OPTIONAL ACCESSORIES

TLM-43LB	DN-60A	BH-07	HE-1
4.3" look-back system	DV/HDV CF card recorder	Ball head	Removable hard drive carrier
VP-605	CB-22/CB-23	VP-633/VP-634	DDC-4012H
All in one cable extender	HD/SD 30M or 50M all in one cable with oower	100m SDI repeater	Camera power regulator
DAC-8P	DAC-9P	DAC-50	DAC-60
SDI to HDMI converter	HDMI to SDI converter	SDI to analog cross converter	SDI to VGA converter

DIMENSION

511mm

400mm

312mm

116mm

116mm

383mm

46cm

383mm

Size: 511x116x460(mm)
Weight: approx 45Kg

HD/SD 16-CHANNEL MOBILE VIDEO STUDIO
MS-3000

REAR VIEW

AD-100
AM-100
ITC-100/200
MCU-200

NVW-200
HDR-70
MCU-200

RP-45A
RP-31

PD-6

RP-55
RP-54
RP-53
RP-Bridge

PD-2A

Datavideo MS-3000 instantly transforms any space into a complete live recording studio. As a powerful PPU (portable production unit) it is ideal for fast-turnaround productions. MS-3000 can be used in a dedicated facility, ad hoc studio or in a van. With high strength wheels, it can quickly roll it into a vehicle for easy transport.

In an easy-to-use configuration, MS-3000 houses a production switcher that supports up to 16 HD/SDI, 10 bit 4:2:2 video inputs, together with flip-out monitors, hard drive video recorders, intercom systems, video test and measurement devices and much more. All are enclosed in a 16U moveable flight case providing secure protection on the move.
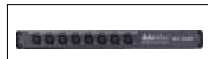
The MS-3000 is truly plug-and-play, saving time and effort setting up video production console for live concerts, live events, sports and conferences.

FEATURES

- SE-3000 16/8 input SD/HD vision mixer / switcher
- 2 x TLM-170H 17.3" monitor for multi-image display of inputs/next source & master output
- ITC-100 8-ch intercom / talk-back system (incl. 4x belt packs & 20m cables)
- PD-2A & PD-3 power distribution systems - distributes power to all equipment via single AC connection
- 2 x HDR-70 hard drive recorder
- AD-100 audio delay box and AM-100 audio mixer
- VSM-100 monitoring vectorscope
- MCU-200 camera control unit
- Fully wired internally with patch bays on the rear for quick & easy installation
- Installed, configured, set-up & tested
- Housed in a heavy duty wheeled flight case

CONFIGURATION

SE-3000 HD/SD 16-ch digital video switcher	**TLM-170HM** 17.3" HD LCD monitor	**VSM-100** HD vectorscope with monitor

PD-2A
PD-6
Power center

HDR-70
HD/SD HDD recorder

MCU-200 Multi-camera Control Unit	**AM-100** Audio Mixer	**AD-100** Audio Delay	**RP-45A** HD down-converter and 1-8 DA with 8-ch CV outputs	**ITC-100** Intercom/tally system	**RP-31** ITC patch panel

ITC-100SL x4 Intercom beltpack	**TD-2** x4 Tally light indicator	**MC-1** x4 Microphone headset	**CB-3** x4 20m 5-Pin intercom cable	**CB-7** x4 GPI cable 1.2m	**MC-2** Intercom gooseneck microphone

OPTIONAL ITEMS

HDR-60 HD/SD video recorder	**TLM-43LB** 4.3" Look-back system	**DN-60A** DV/HDV video recorder	**VP-633/VP-634** 100m SDI repeater (powered / unpowered)	**VP-605** All In one cable extender	**CG-500** HD/SD graphics & character generator

CB-22/23 HD/SD 30m/50m all in one cable with power/	**DAC-8P** SDI to HDMI Converter	**DAC-9P** HDMI to SDI converter	**DAC-50** SDI to analog cross converter	**DAC-60** SDI to VGA converter	**DAC-70** Up/down cross converter

MS-3000L
(Light version integration of MS-3000)

FEATURES

A basic configuration is also available in MS-3000L which includes:

- SE-3000 8-ch HD/SD production switcher
- 2x TLM-170HM 17" flip-out LCD monitor
- HDR-70 video recorder
- ITC-100 8-ch intercom talkback system with 4 beltpacks
- VS-100 vectorscope/waveform monitor
- AD-100 audio delay box
- PD-2A studio power distributor

REAR VIEW

HD/SD 12-CHANNEL MOBILE VIDEO STUDIO
MS-2800

Basic version MS-2800A

Advanced version MS-2800B

MS-2800 HD/SD PPU (portable production unit is a light weight video studio that is ready to go. It's designed around the SE-2800 switcher to work in high and standard definition. It's perfect for outdoor events, conferences, education, places of worship and many more applications. It's ideal for users that require a flexible but affordable system, a true one box 'live in seconds' studio solution with easy setup and break down at any location.

REAR VIEW

MS-2800A
- RP-50
- RP-31
- AD-100
- PD-2A
- SE-2800

MS-2800B
- RP-45A
- RP-31
- PD-3
- RP-51
- PD-2A
- SE-2800

FEATURES

- 8/12-Ch inputs:
  - HD Mode: 8/12 HD-SDI | 6/9 HD-SDI + 2/3 HDMI
  - SD Mode: 8/12 SD-SDI
- 3-ch SDI outputs for AUX, PGM, PVW or PGM clean out
- 1-ch HD to SD down-scaler on output ch-3
- 2-ch multi-viewer outputs
- Built in Digital clock & down counter
- 2 PIP modes, 2 logos and 2 DSK, supports Key & Fill
- 4-ch XLR audio inputs, 2-ch outputs, supports embedded audio SDI output

- 17" HD monitor for Multiviewer and PGM
- 8-CH Intercome/Tally system
- HD-SDI recorder: or up to 120Mb/s (HD) in Long GOP or i-frame 4:2:2 in MXF/OP1A file format
- Audio delay box for perfect lip-sync calibration
- Optional vectorscope with two 4.3" HD LCD monitors (MS-2800B only)
- Optional lookback system, 8-CH Camera power center and Datavideo All-in-One cable CB/22/23 and cable repeaters VP-605 (For MS-2800B)

FUNCTIONS

1RU drawer type HD LCD Monitor

1

2 Control panel can be folded up

3
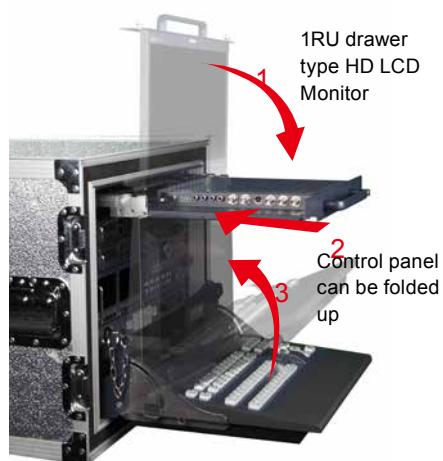
Lock for control Panel

Multi-format inputs

HD-SDI
SD-SDI
CV

HD-SDI
SD-SDI

HDMI

SDI/HDMI
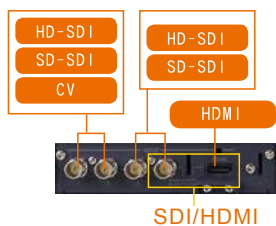
Two DSK

Two PIP

Intercom system: connect up to 8 intercom belt packs

Additional UPS by external DC 12V battery

DC 12V battery (Up to 400 watts)

■ News Broadcast

■ Lecture Theater

■ Music Awards

■ Sport Stadium

DIMENSION AND WEIGHT

720
620
475
485

Size: 620(W) x 485(H) x 720(D) (mm)
Power: 100-240VAC, 50/60HZ,
         1.6A/770mA, 240W Max
Weight: 52KG.

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SYSTEM CONNECTION DIAGRAM

MS-2800A

MS-2800A
HD/SD 8-Channel Mobile Video Studio(Up to 12-Channel)

PVW PGM

LED SCREEN

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1 SDI
2 SDI
3 SDI
4 HDMI or SDI
5 SDI
6 SDI

INTERCOM+TALLY

or

Camera

SDI
DAC-60
DAC-60
SDI to VGA Converter

VGA
OR

PROJECTOR

SDI
NVS-20
H.264 Video Streaming Server

LAN
TCP/IP

VOD System

AD-100
XLR

AM-100
Audio Mixer
XLR

Master
Audio Mix

Mic.
1
2

CG &
Graphic
HDMI
TC-200
7 FILLSOURCE
8 KEY SOURCE

MS-2800B

1 CAMERA TLM-430 HP-1 ITC-100SL

SDI
CV Power
Intercom

2
3
4
5
6

MS-2800B
HD/SD 12-Channel Mobile Video Studio

PVW PGM

datavideo

LED SCREEN

SDI
DAC-60
DAC-60
SDI To VGA Converter

VGA
OR

Projector

SDI
NVS-20
H.264 Video
Streaming Serve

LAN
NVW-100
High Power
Wi-Fi Bridging Unit

5.8G
NVW-100
High Power
Wi-Fi Bridging Unit

LAN
VOD System

TCP/IP

CB-22/ CB-23
All In One Cable

CG &
Graphic
7 KEY SOURCE DSK
8 FILL SOURCE DSK

AUDIO
OUT

AUDIO
IN

AM-100
Audio Mixer

AUDIO
IN

AUDIO
IN

BG
Music

Audio Mixer

1
2
3
4
5
6
EXT.MIC

For Public Address

DIAGRAM

PREVIEW IMAGE

DAC-60

DAC-60

DSK 7 8

datavideo MS-2800

CONFIGURATION

Basic version MS-2800A

MS-2800A FRONT VIEW   MS-2800A REAR VIEW

SE-2800	TLM-170HM
HD/SD 12-ch switcher	17.3" HD/SD LCD monitor
RP-50	HDR-70
	HD/SD video recorder
PD-2A	RP-14
Power center	2RU tray and cover
ITC-100	RP-31
Intercom system	ITC patch panel

ITC-100SL x4	TD-2 x4	MC-1 x4	CB-3 x4	CB-7 x4	MC-2
Intercom belt pack	Tally light indicator	Microphone headset	20m 5-Pin intercom cable	1.2m GPI cable	Gooseneck microphone

Advanced version MS-2800B

MS-2800B FRONT VIEW   MS-2800B REAR VIEW

VSM-100	
Sampling vectorscope monitor	
RP-45A	RP-51
	AD-100 with VP-445 1-4 DA for SDI
PD-3	
Camera power center	

Optional items

HDR-60	TLM-43LB	DN-60A	VP-633/VP-634	VP-605
HD/SD video recorder	4.3" Look-back system	DV/HDV video recorder	100m SDI Repeater (Powered /unpowered)	All in one cable extender

CB-22/23	DAC-8P	DAC-9P	DAC-50	DAC-60
HD/SD 30m / 50m all in one cable with power/	SDI to HDMI converter	HDMI to SDI converter	SDI to analog cross converter	SDI to VGA converter

15

OPTIONAL ACCESSORIES

30m/50m all in one cable:CB-22/CB-23

4-Pin XLR power cable | 5-Pin XLR communication cable | BNC SDI signal cable | BNC CV signal cable

BNC SDI signal cable | BNC CV signal cable | 4-Pin XLR power cable | 5-Pin XLR communication cable

A convenient solution to cabling on location, as well as in the studio. Available in 30m (CB22) or 50m (CB23) lengths.

All in one cable extender: VP-605

REAR VIEW

Camera power center: PD-6

A universal power distribution center, with 8 separate power outlets. Each can be configured individually: DC25V, 18V, 14.4V & 12V, with a total power consumption of 360 Watts.

DC to DC 12/7.5V 4.0A converter: DDC-4012H

DDC-4012H allows connection to unregulated power sources, such as generators, batteries or other sources typically found on location. Ideal for use with CB-22 or CB-23 cabling.

8-ch video distribution amplifier: RP-45A

A 1-in, 8-out composite video distribution amplifier for use with the CB-22 or CB-23.

4.3" look-back system: TLM-43LB

RMC-200 Camera control

TLM-430 4.3" Monitor
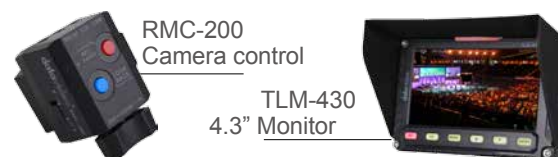
Sony, Panasonic and Canon camera control interface, play, pause, record and camera zoom control.

SETUP DIAGRAM

RP-45A
VIDEO
LOOK BACK(RETURN)

PD-6
POWER

ITC-100
INTERCOM

SE-2800
SDI-VIDEO

CB-22/ CB-23 ALL IN ONE CABLE

VP-605 HD/SD-SDI REPEATER

CB-22/ CB-23 ALL IN ONE CABLE

VIDEO
LOOK BACK(RETURN)

DDC-4012H
DC TO DC CONVERTER
POWER

SDI VIDEO

INTERCOM

TLM-430 4.3" LOOK-BACK SYSTEM

CAMERA

ITC-100SL INTERCOM BELTPACK
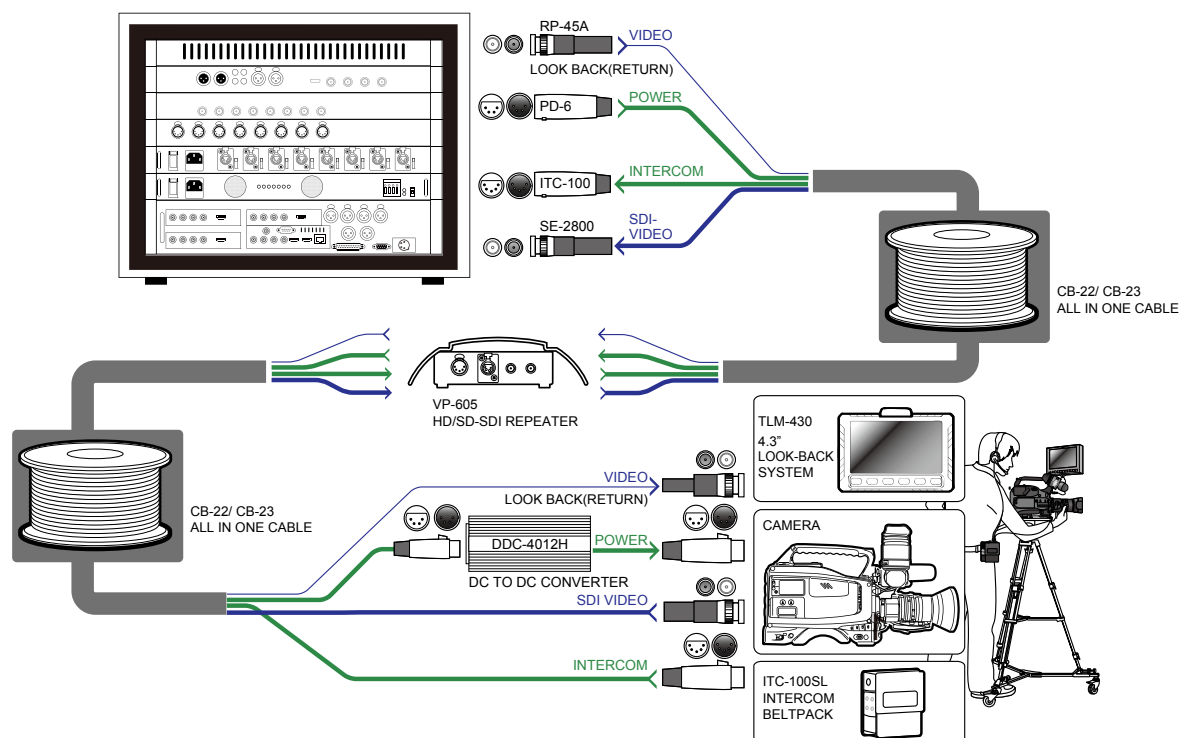
SD 8-CHANNEL MOBILE VIDEO STUDIO
MS-900

MS-900 is an SD PPU (portable production. It's an integrated mobile video studio designed around Datavideo SE-900 modular 8-channel SD switcher. MS-900 features can be expanded with input cards and accessories as your requirements evolve. It accepts up to 8 SD inputs of your choice including DV, SDI, DVI, VGA, YUV, S-Video(Y/C) and composite video. Standard outputs include DV, YUV, S-Video(Y/C) and composite video.

The multi-viewer preview output allows all 8 input channels and the PVW and PGM buses to be seen on a single screen. MS-900 features a down stream keyer (DSK) for integration with a character generator. Overlay keying can be performed internally or externally. A logo display can be used independently of the DSK via built in stores.

Optional chroma key and genlock cards can be fitted with each channel set independently, You can seamlessly switch from one to another. This is ideal for virtual studios or newsrooms. To synchronize audio and video, SE-900 includes an audio delay function as well as a DV/SDI audio embedder for output. Additionally each DV and SDI video input has an audio de-embedder which provides dual channel balanced audio output.

FEATURES

■ Integrated solution, including 8-ch SD switcher, multi display monitor, video recorder and talk back system with tally

■ Multi-format video – up to 8 inputs with SDI, DV, DVI, VGA, Component (Y:U:V), S-video (Y/C) & Composite Video

■ Balanced audio input with built in delay function to ensure perfect synchronizing of video and audio.

■ DV and SDI input boards feature audio de-embedder with dual channel balanced audio outputs

■ Built in frame synchroniser and TBC for each channel

■ Multi-viewer: monitor each source together with next source/ effect preview and program output – with tally indicator

■ 4 camera virtual studio with optional chroma key card

■ Easy setup, breakdown and storage at any location Designed to be "live-in-seconds"

■ Anti shock padding protects the MS-900 during transport

❶	SD switcher	SE-900
❷	Talkback/intercom	ITC-100
❸	17.3" LCD monitor	TLM-170HM
❹	Video recorder	DN-700

REAR VIEW

RP-45A (OPTIONAL)
PD-3 (OPTIONAL)
RP-31
PD-2A

SE-900

■ Street Parade

■ Lecture Rooms

■ Music Awards

FEATURES

1
2
3

Built in TLM-170HM pull-out 17.3" monitor

Folding keyboard

Connect a computer and switch between live video and graphic applications

SDI Overlay Board: overlay text and animations using a Character Generator such as Datavideo's CG-100 & CG-350

Transit lock of the SE-900 keyboard avoids damage during transport

4 Backgrounds

Add a logo to your video with the easy to use lumakey function

DIAGRAM

PREVIEW IMAGE

DN-600   CG-100   7
8

MS-900
MOBILE VIDEO STUDIO

NETWORK VIDEO SERVER

TCP/IP

DAC-8
SDI TO HDMI CONVERTER

PROJECT

UP TO 8 INPUT SOURCES

PREVIEW IMAGE

4 INPUTS

4 BACKGROUND VIDEOS

MS-900
MOBILE VIDEO STUDIO

DAC-8P
SDI TO HDMI CONVERTER

PROJECTOR

NETWORK VIDEO SERVER

TCP/IP

4 INPUT VIRTUAL STUDIO

SETUP DIAGRAM

VIRTUAL MULTI-CAMERA STUDIO

4 INPUT VIRTUAL STUDIO

SDI 1
SDI 2
SDI 3
SDI 4
CAMERA

MS-900

CG
SDI OUT
SDI IN
SDI CG GENERATOR CG-100

PROGRAM
SDI/YUV
DVI-D MONITOR

VGA PC
VGA PC
VGA PC
VGA PC
Back Ground Source

AUDIO IN
L R
R
L
AUDIO OUT
INTERCOM +TALLY

EXT.MIC   AUDIO MIXER
1 2 3 4

CV
AUDIO
NETWORK VIDEO SERVER
TCP/IP
PC
PC
PC

INDOOR STUDIO

UP TO 8 INPUT SOURCES

SDI 1
SDI 2
SDI 3
SDI 4
SDI 5
SDI 6
CAMERA
YUV
DVD 7
DVI
PC 8

MS-900
SD 8-Channel Mobile Video Studio

PVW PGM

CG
SDI OUT
SDI IN
CG-100

SDI
DAC-60
SDI tO VGA Converter
VGA
Projector

SDI
NVS-20
H.264 Video Streaming Serve
LAN
NVW-100 High Power Wi-Fi Bridging Unit
5.8G
NVW-100 High Power Wi-Fi Bridging Unit
LAN
VOD System
TCP/IP

AUDIO IN
AM-100 Audio Mixer

XLR AUDIO IN

INTERCOM +TALLY

EXT.MIC AudioMixer
1 2 3 4 5 6
For Public Address

ACCESSORIES (INCLUDED)

ITC-100SL x8
Intercom beltpack

TD-2 x8
Tally Light Indicator

MC-1 x8
Microphone Headset

CB-3 x8
20m 5-Pin Intercom Cable

CB-7 x8
GPI Cable 1.2m

MC-2
LP-1
Gooseneck microphone & light

DIMENSIONS

720
620
475
485

Size: 620(W) x 485(H) x 720(D) (mm)
Power: 100-240V AC 50/60HZ, 240W Max
Weight: 68KG.

OPTIONAL ACCESSORIES

30m/50m/100m All In one cable CB-22/CB-23/CB-24 (no power)

| 4-Pin XLR power cable | 5-Pin XLR com-munication cable | BNC SDI signal cable | BNC CV signal cable | | BNC SDI signal cable | BNC CV signal cable | 4-Pin XLR power cable | 5-Pin XLR com-munication cable |

All in one Cable is a easy and convenient solutions to cabling on location, as well as in studio. Available in 30m(CB22) or 50m (CB23) lengths.

All in one cable extender: VP-605

REAR VIEW

DC to DC 12/7.5V 4.0A converter

DDC-4012H allows connection to unregulated power sources, such as generators or batteries often found on location. Ideal for use with the all in one cable.
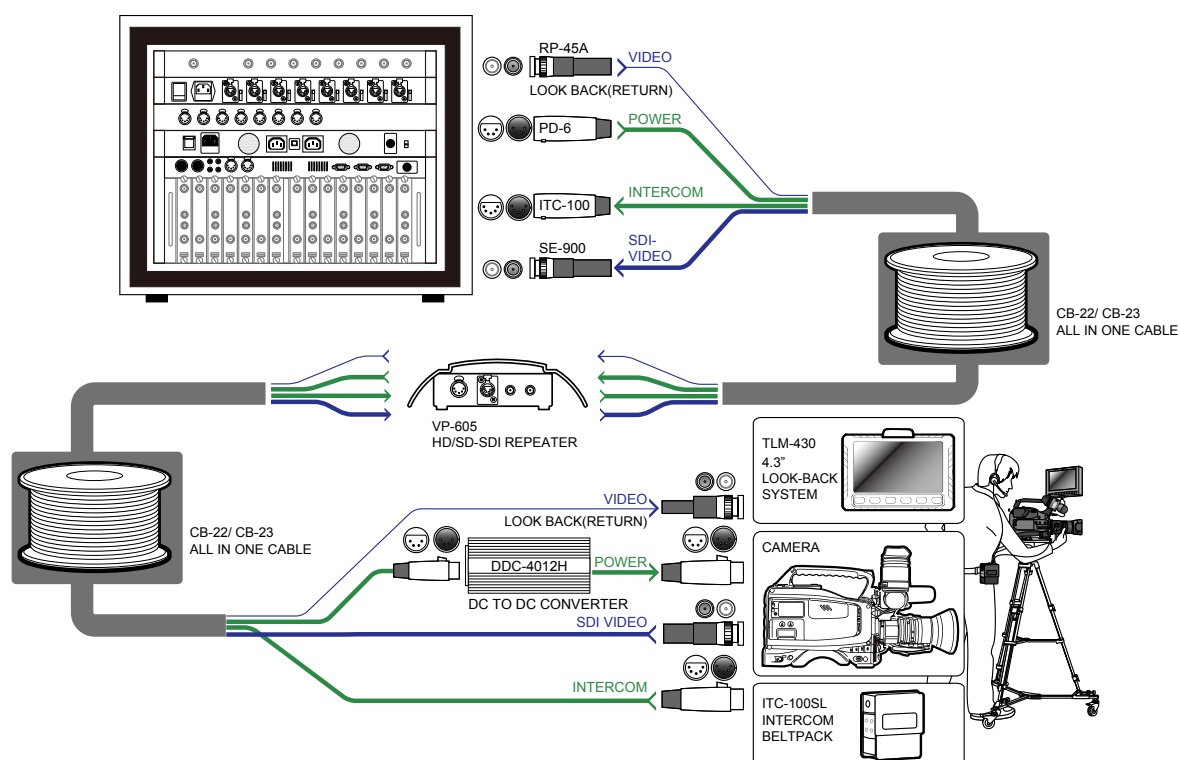
Camera power center: PD-6

PD-6 is universal power distribution center, with eight separate power outlet - each can be configured individually, DC25V, 18V, 14.4V & 12V, with a total power consumption of 360 Watts.

8-ch video distribution amplifier: RP-45A

RP-45A is a 1-In, 8-out composite video distribution amplifier for use with the CB-22, CB-23 or CB-24.

SETUP DIAGRAM

RP-45A
LOOK BACK(RETURN)
VIDEO
PD-6
POWER
ITC-100
INTERCOM
SE-900
SDI-VIDEO

CB-22/ CB-23 ALL IN ONE CABLE

VP-605
HD/SD-SDI REPEATER

CB-22/ CB-23 ALL IN ONE CABLE

LOOK BACK(RETURN)
VIDEO
DDC-4012H
POWER
DC TO DC CONVERTER
SDI VIDEO
INTERCOM

TLM-430
4.3"
LOOK-BACK SYSTEM

CAMERA

ITC-100SL INTERCOM BELTPACK

OPTIONAL BOARDS

Easily install optional boards, including SDI, DVI, chroma keyer, genlock in, and others.

Inputs are synchronised internally, so no genlock is required, even with consumer camcorders/ players and computer equipment.

INCLUDED

External Control Board

RS-232, RS-422 & GPI control interface board integrates with compatible equipment such as VTRs and players or presentation control panels

SDI Overlay Board

A down stream keyer (DSK) board offers internal and external keying. Perfect for integration with character generators, such as Datavideo CG-100 or CG-350.

DVI Multi Viewer Board

The DVI multi-viewer output display allows inputs, master & next source output to be displayed on a single monitor, with tally and source information using PC monitors or LCD TVs.

Analogue and DV - Output Board

Output card for a range of video formats including DV (with embedded audio from the audio delay circuit) composite video, S-Video and component (Y:U:V).

OPTIONAL

SDI Input Board

The SDI input board includes audio de-embedding to a balanced pair. Features a composite monitor output, for easy connection to an external preview monitor.

Analogue Video - Input Board

Inputs include composite video, S-Video and component (Y:U:V). A time base corrector synchronises input: non genlock equipment can be used glitch free. Features a composite video monitor output.

DVI-D & VGA Input Board

Switch between live video and presentation and graphics applications. Features a composite monitor output, for easy connection to an external preview monitor.

DV Input Board

For users who work with Digital Video (DV). The DV input board also de-embeds the audio to a pair of balanced outputs.

Four Channel Chromakey Board

Create a virtual chromakey studio and switch between up to four video inputs. The internal time base corrector takes care of synchronizing, even with non genlock equipment

SDI Output Board

The SDI Output board supports embedded SDI audio output and a composite video output for connection to a monitor.

Genlock Board

Genlock synchronizes multiple incoming video signals. With this board, you can sync to an external black-burst reference design.

HD/SD 12-CHANNEL
PORTABLE VIDEO STUDIO
HS-2800

HS-2800 is an integrated, briefcase-style HD production switcher. With 8/12 digital inputs, a built-in 17" multi-view video monitor and 10-bit video support, the HS-2800 is ideal for outside broadcast crews, mobile video units and any fast-moving live TV production.

Light weight, affordable and powerful, it is equally well suited to the live events and AV market, such as theatres, conference centers, places of worship, lecture rooms and corporate presentations.

The HS-2800 enables users to mix a variety of live and pre-recorded video, graphics and audio sources to produce high-quality HD digital content on the fly either for projection locally, playout globally or programme recording.

Advanced features include dual picture-in-picture functionality, dual down-stream keying, 4-CH XLR Audio inputs, Multiple embedded Audio SDI outputs, HD-SD conversion, and a 17.3-inch monitor to display input sources, program preview and the live program. For fluid communication among the production and camera crew, the HS-2800 integrates an eight way intercom system and comes complete with headsets, and tally lights, and headsets.

The output can be distributed direct to screen via HDMI or SDI. Users have a choice of delivering in SD or HD in full 4:2:2 quality. It is well suited for output to:

- HD/SD Projection systems
- HD/SD Recorder Datavideo HDR-60
- HD/SD Network Streaming encoder, Datavideo NVS-20
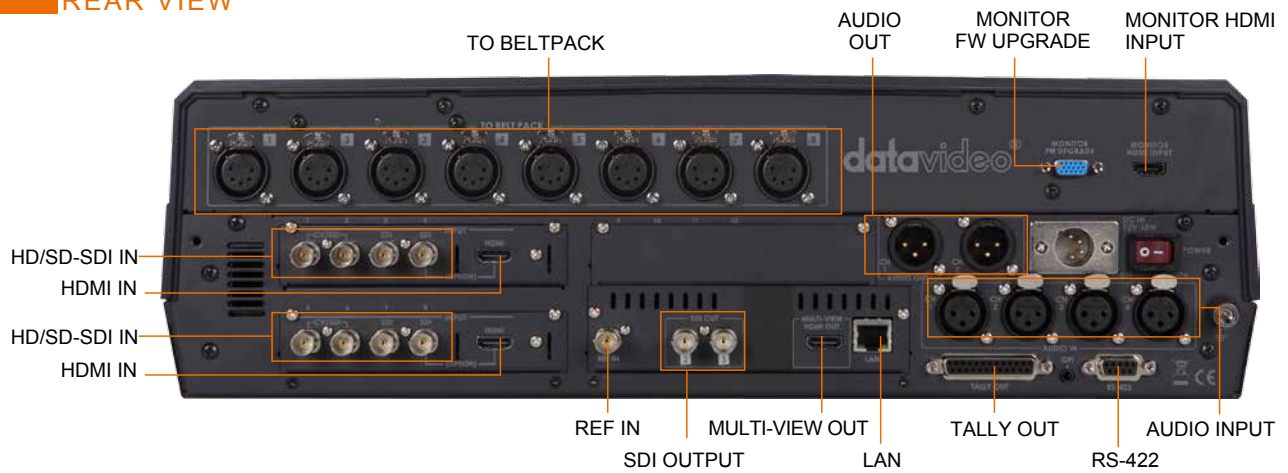- HD/SD TV broadcast

FUNCTIONS

- Supports 8/12 channels HD or SD inputs in a variety of configurations:
  - HD Mode: 8/12 HD-SDI | 6/9 HD-SDI + 2/3 HDMI
  - SD Mode: 8/12 SD-SDI
- 2 SDI outputs with 4-ch embedded audio, which can be assigned to AUX, Program (PGM), Preview (PVW) or PGM clean
- Selectable HD to SD down-scaler on outputs
- 1 HDMI multi-viewer output for external monitor
- 1 HDMI monitoring input for HD recorder
- Audio I/O
  - Input : 4 Analogue balanced XLR, supports audio follow video (A+V) switching
  - Output : 2 Analogue balanced XLR. Supports embedded audio SDI output from 4-ch XLR inputs
- Luma-Key supports text overlay from Powerpoint or a graphics program
- Two DSK, supports key and fill for SDI CG system
- Two PIP displays with user-defined size and borders
- Cut, mix and wipe with borders
- Clock and countdown counter on multi-viewer

- 2 logo display, 8 sets of logo stored (256x128)
- Tally outputs, GPI, RS-422 control interface and RJ45 for firmware upgrade
- Built in 8-ch intercom/tally system
  - Select 1-8 channel belt-pack communication
  - Duplex communication from producer to belt-packs
  - Two color tally light indication
  - 4 belt packs with 20m intercom/tally cable, tally and headsets
- Built in 17.3" HD LED monitor
  - Resolution: RGB 1600 x 900 TFT LED screen
  - Contrast ratio: 500: 1
  - Response time(Tr+Tf): 8ms
  - Luminance of white: typical 220 cd/m2
  - Viewing angle: horizontal 60(Left) / 60 (right); vertical 40 (top) / 60 (bottom)
  - Selectable color temperature: 9300, 7500 or 6500
  - Selectable multi-viewer or PGM monitoring
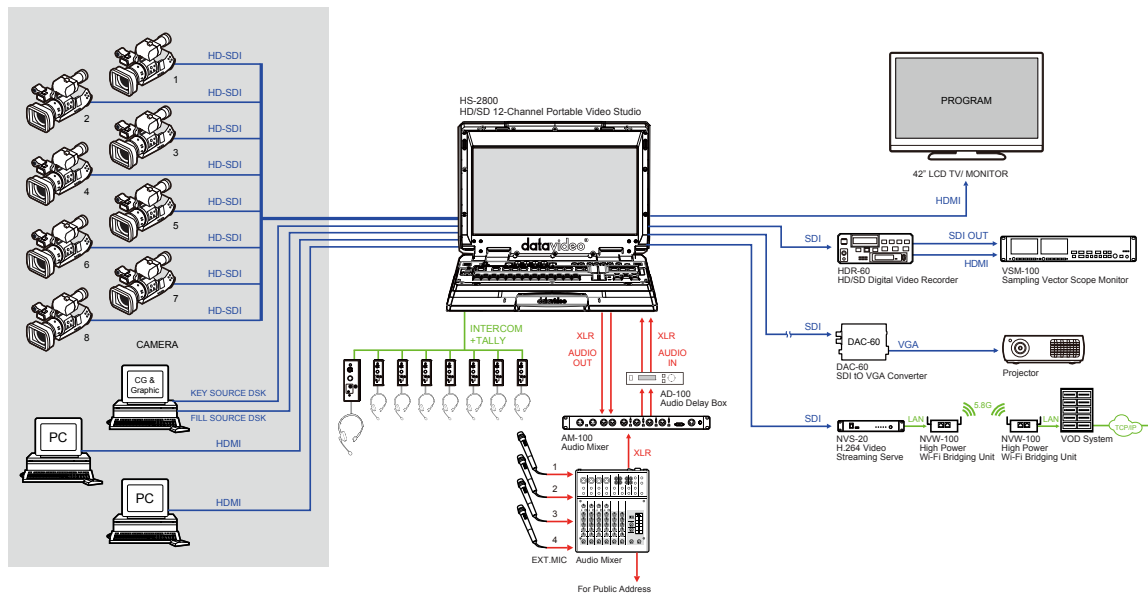- DC 12V/36 watts operation power

17.3-inch
LED Monitor

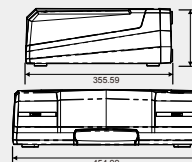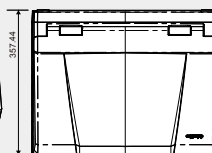Intercom

Switcher

PIP x 2   DSK x 2

REAR VIEW

TO BELTPACK

AUDIO OUT

MONITOR FW UPGRADE

MONITOR HDMI INPUT

HD/SD-SDI IN
HDMI IN
HD/SD-SDI IN
HDMI IN

REF IN
SDI OUTPUT

MULTI-VIEW OUT
LAN

TALLY OUT

AUDIO INPUT
RS-422

APPLICATION

DIAGRAM

HD-SDI
1
HD-SDI
2
HD-SDI
3
HD-SDI
4
HD-SDI
5
HD-SDI
6
HD-SDI
7
HD-SDI
8
CAMERA

HS-2800
HD/SD 12-Channel Portable Video Studio

PROGRAM

42" LCD TV/ MONITOR

HDMI

SDI

SDI OUT
HDMI

HDR-60
HD/SD Digital Video Recorder

VSM-100
Sampling Vector Scope Monitor

CG & Graphic
KEY SOURCE DSK
FILL SOURCE DSK
PC
HDMI
PC
HDMI

INTERCOM +TALLY

XLR
AUDIO OUT

XLR
AUDIO IN

AD-100
Audio Delay Box

SDI
DAC-60
VGA
DAC-60
SDI tO VGA Converter
Projector

AM-100
Audio Mixer

XLR

SDI
NVS-20
H.264 Video
Streaming Serve

NVW-100
High Power
Wi-Fi Bridging Unit

NVW-100
High Power
Wi-Fi Bridging Unit

VOD System

1
2
3
4
EXT.MIC   Audio Mixer

For Public Address

DIMENSION AND WEIGHT

357.44

355.59

134

454.99

Size: 355 x 455 x 13 (mm)
Power: AC 110-240V
        DC 12V,
3A, 36W Max
Weight: 9KG.

HD 5-CHANNEL PORTABLE VIDEO STUDIO
HS-2000L

HS-2000L is a broadcast-standard HD-SDI mobile video studio, designed with portability in mind. The HS-2000L is ideal as hand lug-gage when travelling (fits into airline overhead luggage bays).

It is a five channel 10-bit 1920 x 1080i or 1280 x 720p HD-SDI and DVI-D video & audio switcher, with advanced features such as a 17" multi image video monitor displaying each source, together with preview and program, a complete eight way intercom system supplied with four belt packs, 14 pre-stored logos, digital clock display, five user set up, title overlay and DVI-D connection ideal for use with presentation software.

The integrated audio mixer with balanced XLR connectors allow up to four channels microphone or line audio inputs.

To avoid the inconvenience of individual power supplies, Datavideo HS-2000L comes with an integrated power distribution centre, providing a simple and secure solution for connecting all the integrated equipment from a single socket. Whether you're working in worship, education, conducting a live outside broadcast or shooting inside a production studio, the Datavideo HS-2000L HD mobile studio enables you to switch seamlessly between video and audio sources and blend high-quality digital content on the fly, even without external genlock, thanks to the built in time base corrector.

FEATURES

- 1920 x 1080i and 1280 x 720p
- Inputs: 4 x HD-SDI & 1 x DVI-D or 3 x HD-SDI & 2 x DVI-D
- Outputs: 2 x HD-SDI
- 17-inch multi-image video monitor displaying each source, preview and program
- Built in digital clock and 5 logo store
- Lumakey function for text overlay
- 4 XLR microphone or line audio input
- Picture in Picture function
- Built-in 8 channel intercom with 4 belt packs and tally lights
- Seamlessly switch between all sources, thanks to the built in TBC & frame synchronizer
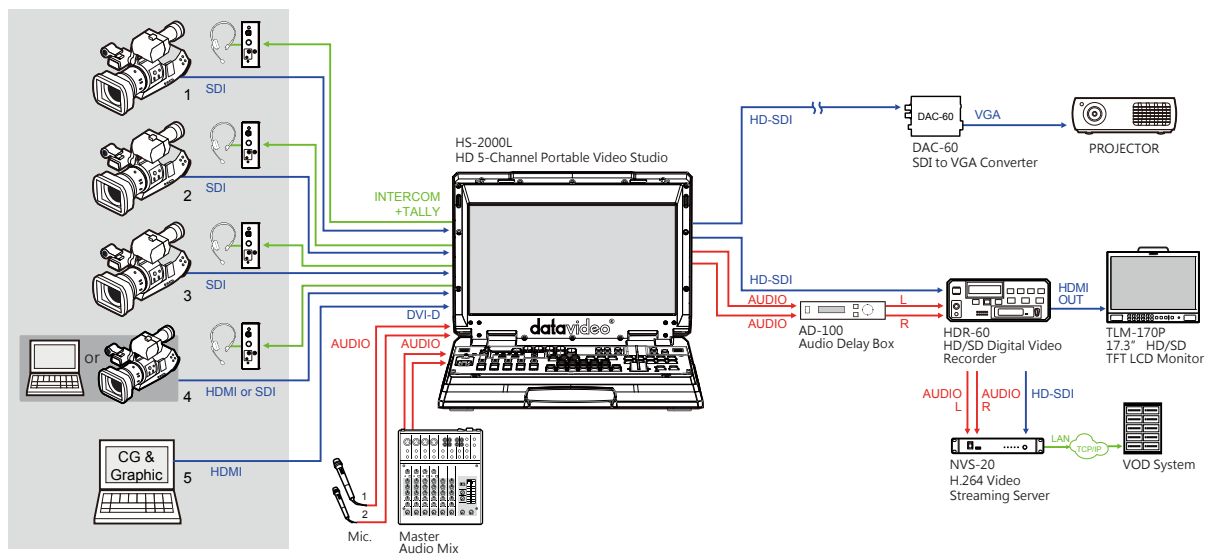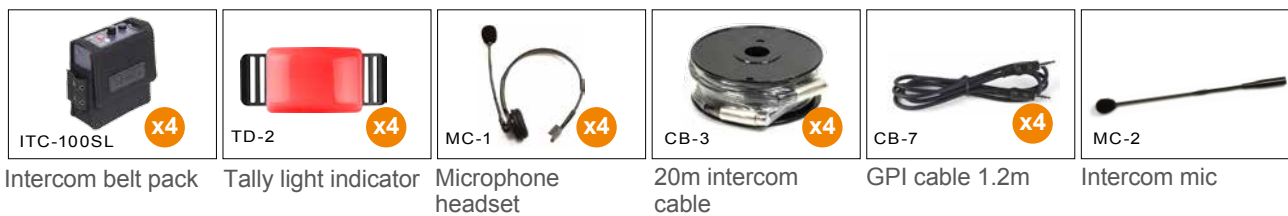- Integrated power distribution centre
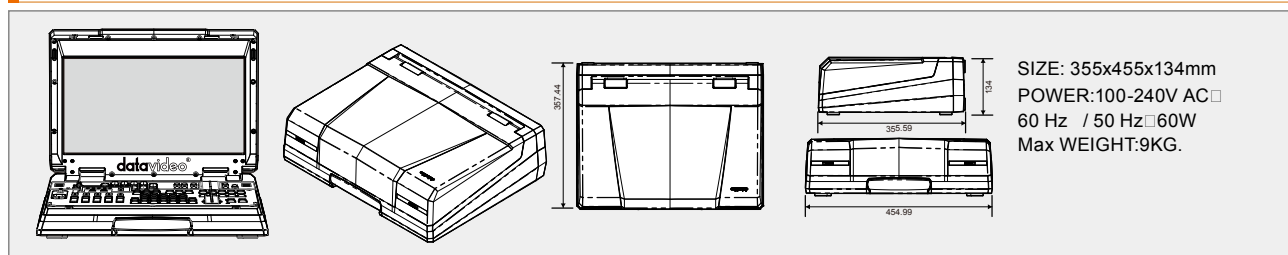
Less than 9kg

REAR PANEL

AUDIO IN   TO BELT PACK   AUDIO OUT   MONITOR FW UPGRADE   POWER

HD-SDI IN   HD-SDI IN OR DVI-D IN   DVI-D IN   TALLY FW UPGRADE   HD-SDI OUT   MONITOR HDMI IN   DC IN 12V 10A

SETUP DIAGRAM

HS-2000L
HD 5-Channel Portable Video Studio

1 SDI
2 SDI
3 SDI
4 HDMI or SDI
5 HDMI

INTERCOM +TALLY
DVI-D
AUDIO   AUDIO
Mic.   Master Audio Mix

HD-SDI — DAC-60 SDI to VGA Converter — VGA — PROJECTOR

HD-SDI
AUDIO   AUDIO   L   R
AD-100 Audio Delay Box — HDR-60 HD/SD Digital Video Recorder — HDMI OUT — TLM-170P 17.3" HD/SD TFT LCD Monitor

AUDIO L   AUDIO R   HD-SDI
NVS-20 H.264 Video Streaming Server — LAN TCP/IP — VOD System

CG & Graphic

ACCESSORIES (INCLUDED)

ITC-100SL x4	TD-2 x4	MC-1 x4	CB-3 x4	CB-7 x4	MC-2
Intercom belt pack	Tally light indicator	Microphone headset	20m intercom cable	GPI cable 1.2m	Intercom mic

DIMENSIONS

357.44

134

355.59

454.99

SIZE: 355x455x134mm
POWER:100-240V AC，
60 Hz／50 Hz，60W
Max WEIGHT:9KG.

SD 8-CHANNEL PORTABLE VIDEO STUDIO
HS-600

HS-600 is a lightweight standard definition studio in a box. It is an affordable version of a full HD broadcast model. It will work time and again in the pressured conditions of live video production.

Combining a vision mixer with a built-in 17" multi-viewer, the HS-600 is designed to be live in seconds. However, it goes well beyond simple switching with a number of highly sophisticated functions. It can take feeds from up-to 6 cameras as well as mixing the input from graphics stations, powerpoint presentations and 4 external mics.

Ergonomic controls allow the user to switch seamlessly between video and audio sources and blend high-quality digital content on the fly, even without external genlock, thanks to the built in time base corrector. Furthermore, its intercom and tally system allow for communication between presenters, the director and the production crew, ensuring that shoots run professionally every time.

The system includes a single, secure power supply. Where the production is taking place away from the studio and mains power is unavailable, the HS-600 can even be powered from a 12v DC car battery.

It is a go-anywhere product, ideal for corporate, AV and the worship markets. It is also an excellent broadcast training tool.

FEATURES

- Integrated SD switcher solution, including 6 composite video + 2 DVI-I/D, 17.3'' multiviewer display monitor and an 8 input talk back system with built in tally
- Input: 6 composite video + DVI-I x 1 & DVI-D
- Output:
  1) Main Out: CVBS x 2
  2) Aux out: AUX1 x 2(CVBS x 2)
              AUX2 x 2(CVBS x 2)
  3) Preview: Multi-viewer DVI-D x 1
  4) Optional output module: DV x 2 and SDI x 2 with embedded audio
- 2 x PIP
- Logo: up to two logo display on the same screen
- Luma Key function
- Special key functions:
  1) Fade to solid color (background color can be selected)
  2) Instant speed key up to 5 keys, speed can be programmed
  3) Aux source keys
- Audio:
  1) Input: XLR x2 (selectable microphone or line audio) and RCA x2
  2) Output: XLR x2 and RCA x2
  3) Audio follow video synchronization switching
  4) Audio Delay function, to synchronize video and audio

- RS-422 control
- One frame still store memory as a source
- GPI trigger out: trigger an external video player with the user-adjustable delay transition effect.
- Built in 8-ch talkback system with 4 belt packs
- Adjustable multiviewer with blue only
- Build in 17.3'' 1600 x 900 backlight monitor
- Audio Indicator
- 4:3 / 16:9 display mode switching

FRONT VIEW

17.3-inch LED Backlight multi-viewer, displays all live sources, as well as Next source and Program. Additional on screen information includes audio levels.

8 channel full duplex talkback system

8 channel standard definition switcher

REAR VIEW

OPTIONAL DV&SDI OUTPUT MODULE   TO BELT PACK   AUDIO IN   AUDIO OUT

DVI-D IN   DVI-I IN   CV IN   CV OUT   MULTI-VIEWER OUTPUT   GPI   RS-422   DC IN 12V 60W
                                                   MONITOR HDMI IN   FW UPGRADE   POWER

ACCESSORIES (INCLUDED)

ITC-100SL x4   TD-2 x4   MC-1 x4   CB-3 x4   CB-7 x4   MC-2

Intercom belt pack   Tally light indicator   Headset   20m intercom cable   1.2m GPI cable   Gooseneck Mic

DIAGRAM
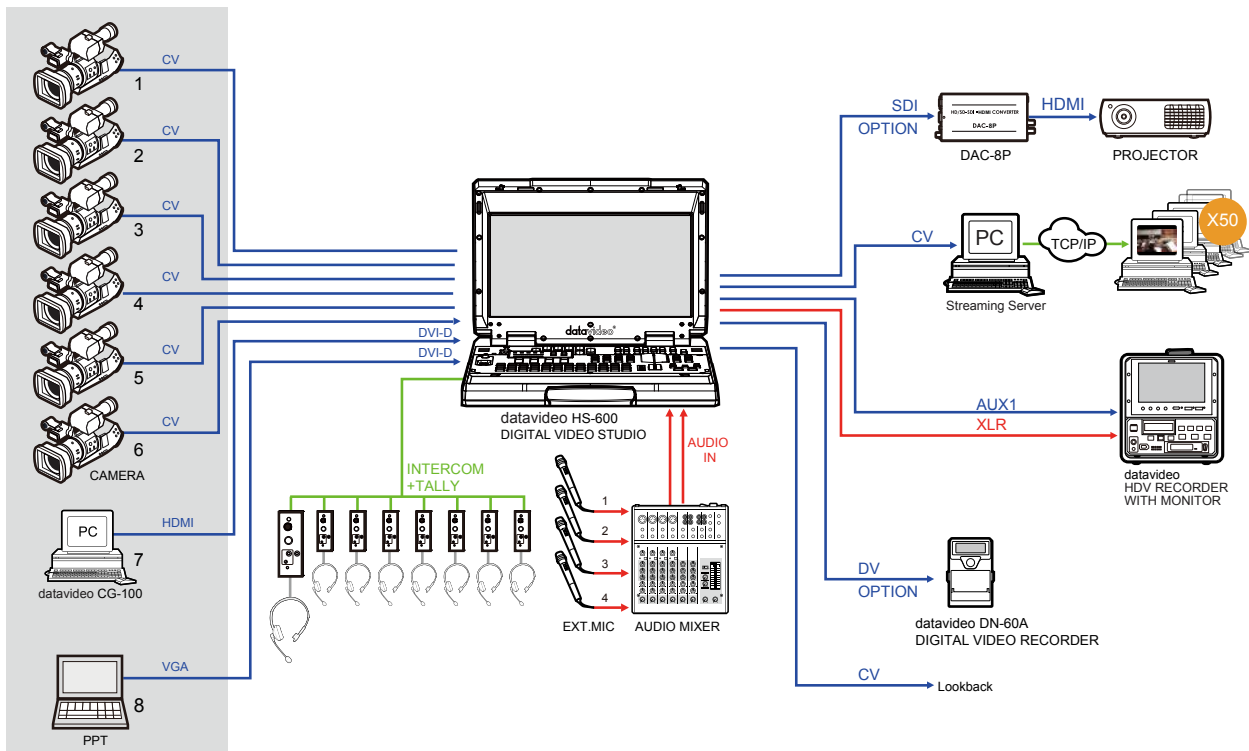
SPECIFICATION

Support Video Format

CV	720 x 576 x 50 Hz PAL
	720 x 480 x 60 Hz NTSC
DVI-D (PC only)	800x600 60Hz
	1024x768 60Hz
	1920x1080 60Hz
DVI-I (VGA)	1024x768 60Hz

8 inputs talkback system

Talkback system	Specification
INPUT	5 Pin XLR Connector x 8 Input
MIC / HEADSET SOCKET	3.5mm Stereo Jack Socket for combination Headphone / Microphone Headset Impedance 8~600 ohms 100mW(min) Microphone Level -67dB Or 2.5mm Stereo Jack Socket, for Motorola Mobile Phone type headset / microphone
FREQUENCY RESPONSE	550-3.6KHz, < +/-3dB
THD	< 3%
S/N	> 50dB
TALLY OUT SOCKET	3.5mm jack docket to connect to TD-1 tally Indicator
TALLY LED	Bi-Color LED indicators
POWER LED	To indicate that power is on
OPERATING RANGE	Up to 200m between Base Station and Slave
OPERATING TEMP. RANGE	5 ~ 45°C

DIMENSIONS

SIZE: 355x455x134mm
POWER:12V 60W
WEIGHT:9KG.
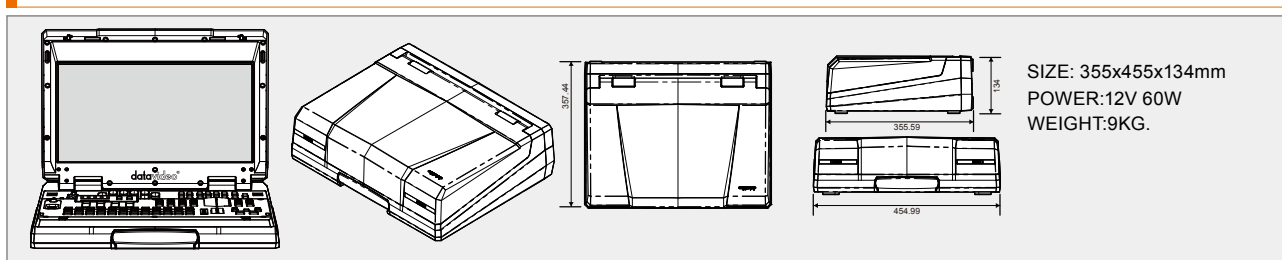
SD 4-CHANNEL PORTABLE VIDEO STUDIO
HS-500

2 x 7" TFT LCD Monitor Bank TLM-702

2 x 7" 16:9 wide screen monitors in 19" rack mount with 90 degree tilt. Auto PAL/NTSC. 2 color tally light. Individual control for contrast, brightness and color.

Digital Analogue Switcher   SE-500

4 input S-Video, CV video mixer and switcher. CV/Y/C(S-Video) & YUV Output. RS-232/Midi Control. Quad preview output on a single monitor. On-screen tally light Indication. Includes digital effects.

HS-500 is a compact, portable one box solution, built around the SE-500. It is designed with no compromise in performance and is perfect for applications within education, places of worship, internet streaming, event & live staging, conferences and many more. The HS-500 is a fully integrated solution housed in a stylish and light aluminium carrying case, for easy and secure transport and storage. The input connections include composite video and Y/C (S-Video), output also includes component (Y:U:V), which can be connected to a DVD recorder or projector.

FEATURES

Strong Locking Pivot Points:

Easily adjust the viewing angle of the TLM-702 LCD monitor.

Ergonomic Design:

The aluminium case has been designed for ease of use, fast set up and quick break down.

Integrated Solution:

HS-500 is fully integrated with cable loom and a power supply. Connection to video sources, such as camcorders is made easy with the quick release rear panel.

Aluminium Carrying Case:

The HS-500 is housed in a stylish and light aluminium carrying case, for secure transport and storage.

DIMENSIONS

Size:
555 X 430 X 155(MM)

Power:
12V 37W Max

Weight:
5.5KG
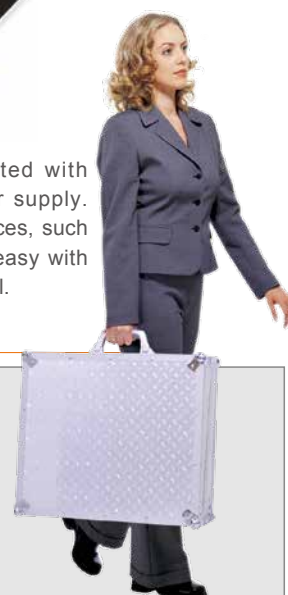
HD/SD 16-CHANNEL
DIGITAL VIDEO SWITCHER
SE-3000

SE-3000 is an 8/16 input HD & SD live production switcher, with impressive professional features, including touch screen interface to select effect, color adjustment and keying.

Other features include; extensive 3D DVEs, high quality multi-viewer preview output, chromakey, dual PIP, multi language support and a full size control panel keyboard as well as PC control interface.

The powerful "Flex Source®" effect enables you to have a second M/E, for advanced vision mixing.

FEATURES

- 16 HD/SD SDI inputs or 8 HD-SDI inputs (upgradable to 12 or 16 inputs)
- Supports 8/12/16 channels SD mode, HD Mode or Mixed Mode (12/16 only) operation
- 16 channels input cross-point
- Supports embedded Audio SDI inputs and outputs
- Built-in TBC frame synchronisation of each source, even without genlocked equipment.
- Dedicated DVI-D Input
- High quality DVI-D multi-viewer preview output.
- 1 M/E Switcher with "Flex Source®" - similar to having a second M/E, for advanced vision mixing.
- 4 keyers(2 in M/E, 2 DSK)
- 32 wipe patterns, with variable border width,color, softness
- Dual channel PIP with background & keyer
- Built-in 3D DVE transition engine, with 88+ transitions including page turns
- Built-in 2 HD Chromakey
- Built-in SD-to-HD up converters for up to 8 sources simultaneously (On CH9-CH16)
- Component analogue HD output

- 4 channel AUX outputs
- Built-In two channel still store
- Black level, white clip, chroma gain for each input
- Ergonomic, intuitive control panel for easy operation
- 7" touch-screen LCD panel on control unit allows for easy menu selections and setting changes
- Separate, rackmountable processing unit
- PC-Base Control interface thru RJ45
- Easy to use User setup for quick access to individual configuration
- 1080i (59.94,60,50), 720P (59.94,60,50), 480i, 576i
- DC 12V operation voltage, available for mobile

SE-3000 PROCESSING UNIT

FEATURES

7" LCD touchscreen panel

Numeric keypad

Joystick

Transition controls

Fade to black (FTB)

4x Aux outputs

Store 999 user setups, with 8 direct selectors
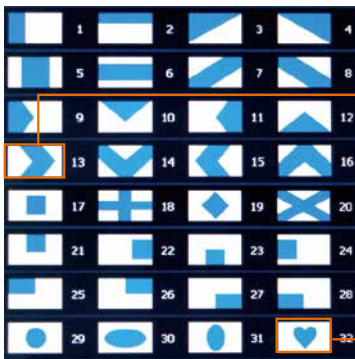

DSK transitions

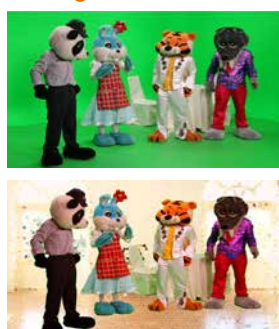
Source selects

Menus

FUNCTIONS

WIPE effects

Up-to 32 wipe effects

DVE & 3D effect

Total up to 96 DVE & 3D effects

WIPE border colour adjustment

Border edge adjustment

Advanced chromakey settings via large touch screen

Two PIP effect

Dual PiP Processor with Background & Keyer

TOP VIEW

TOUCHSCREEN COLOR 7" LCD PANEL
NUMERIC KEYPAD
JOYSTICK

MENUS
ADJUST BUTTON
AUX BUS
DELEGATES
KEYER CONTROLS
SOURCE SELECTS
AUX BUS
PROGRAM
PRESET

USER/ SHOT BOX
FADE TO BLACK
TRANSITION CONTROLS
DSK TRANSITIONS
TRANSITIONS

REAR VIEW

USB   ETHERNET   DC IN 12V3A   POWER

FRONT VIEW OF THE PROCESSING UNIT

POWER

REAR VIEW OF THE PROCESSING UNIT

AUX OUT
RS-422 OUT
RS-422 IN
RS-232
TALLY
GPI
DC IN 12V 10A
ETHERNET

ANALOGUE AUDIO IN
ANALOGUE AUDIO OUT (* FOR FUTURE UPGRADE)

HD/ SD-SDI IN   HD-SDI IN   HD PGM   HD PVW   MV-1   MV-2   REF IN   REF LOOP   COMPONENT OUT   DVI-D IN   MULTI VIEWER OUT

APPLICATIONS

OB VAN

HD/SD Studio

Worship

Live/Stage

SETUP DIAGRAM
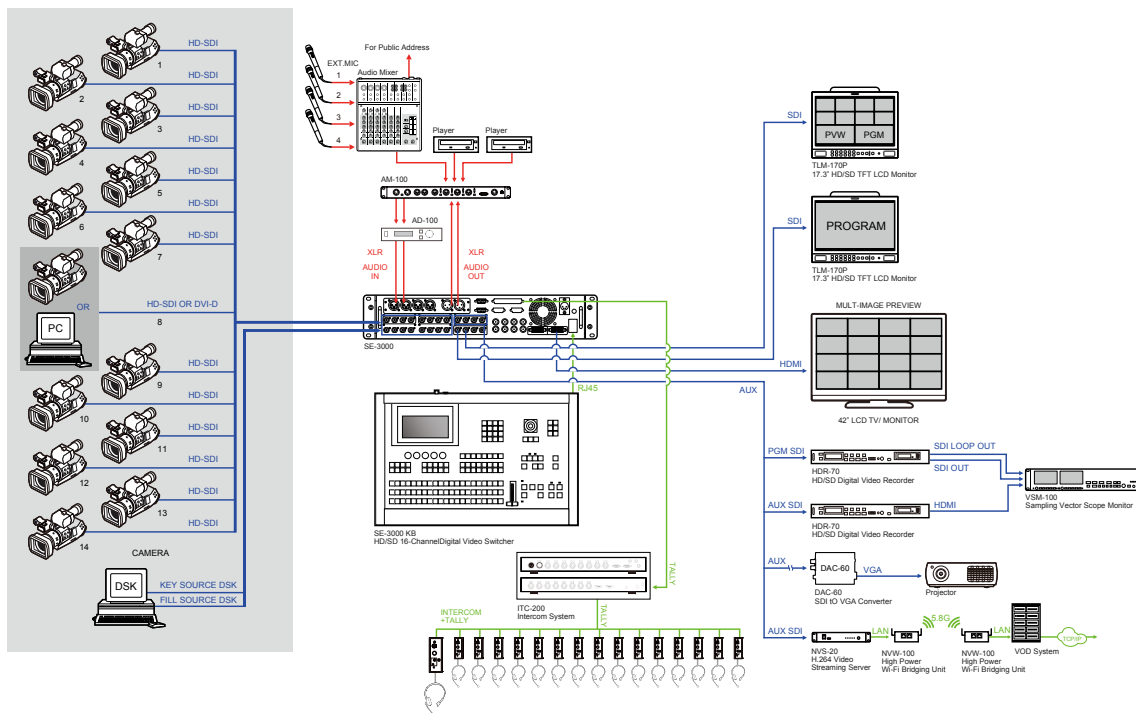
SPECIFICATIONS

■ Video processing

Video format	SD (480/59.94i, 576/50i), HD (1080/59.94i, 1080/50i, 720/59.94p, 720/50p)
	Y:Cb:Cr, 4:2:2 10 bit RGB, 4:4:4 8 bit

■ SDI/HD-SDI Specifications

Standard	SMPTE 259M-C (270 Mbps, 525/625 component video) and
	SMPTE 292M (1.485, 1.485/1.001 Gbps)
Connector	BNC (IEC169-8)
Impedance	75 ohms
Return Loss	HD >15dB(5 MHz to 750 MHz),
	>10dB(750 MHz to 1.5 GHz)
	SD >15dB(5 MHz to 270 MHz)
Equalization	265 m Belden 8281 cable at 270 Mbps; 135 m (typical) of Belden 1694A at 1.485 Gbps

■ Operating temp.   0 ˚C to +40 ˚C
■ Humidity   10% to 90% (non condensing)

■ CONTROL PANEL

■ 699.4(W) x 143.89(H) x 436.6(D) (mm)
■ Power:12V 3A
■ Weight:7KG

12.87
131.49
652.40
699.40
455.38
143.89
436.69

■ MAIN UNIT

482
87.5
302
88
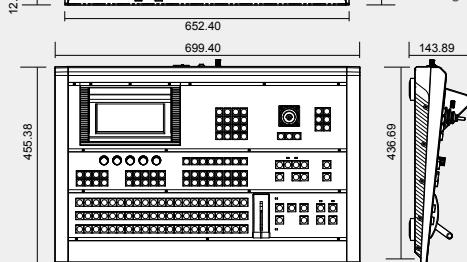
■ Size: 482(W) x 88(H) x 302(D) (mm)
■ Power: 12V 10A
■ Weight: 7KG
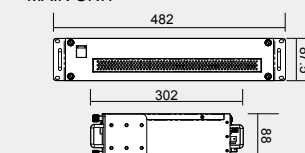
HD/SD 12-CHANNEL DIGITAL VIDEO SWITCHER

SE-2800

The Datavideo SE-2800 is a cost-effective, broadcast quality switcher. Featuring 8 or 12 digital and analogue inputs, it is designed for live events and TV programmes that need to blend a variety of video and audio sources.

Thanks to its small form factor, SE-2800 is ideal for use in portable racks or in OB vehicles.

Producing superb 4:2:2 10bit broadcast quality pictures with versatile input/output configurations, the SE-2800 also has powerful, easy to use effects, such as dual picture in picture (PIP), downstream keyer (DSK) and logo insertion.

FEATURES

■ Support HD or SD operation 8 / 12 Inputs.

-HD Mode: 8 / 12 HD-SDI | 6 / 9 HD-SDI + 2 / 3 HDMI

-SD Mode: 8 / 12 SD-SDI | 4 / 6 SD-SDI + 4 / 6 CVBS |

4 / 6 SDI +2 / 3 HDMI + 2 / 3 CVBS

■ 3x SDI Outputs assignable to AUX, PGM, PVW or PGM clean out Build-in SD down-scaler on CH-3 SDI output for SD-SDI PGM output under HD mode.

■ 2x HDMI outputs with selectable PGM out or 10/12/14 windows splits Multi-viewer.

■ Audio I/O

-Input: 4 analog balanced XLR

-Output: 2 analog balanced XLR. Supports embedded audio SDI output from 4-CH XLR Audio input

■ Two DSK, supports Key and Fill

■ Cut, Mix and Wipe with border 6 options

■ Clock on screen, 2 logo displays

■ Count down counter on multi-viewer

■ Dual PIP display with border

■ PC remote control via RS-422 and Ethernet

■ Tally, GPI interface and RJ45 for firmware upgrade

■ Separate, 19" rack mountable processing unit.

■ DC 12V operation voltage

SE-2800 PROCESSING UNIT

Dual-Screen Multi-viewer as Standard

Multiscreen monitoring is available on two HDMI monitors (not supplied). They can be used to monitor video and audio in a number of different configurations. For each set up, embedded audio level indication is available on all inputs and the program window.

Configuration 1.
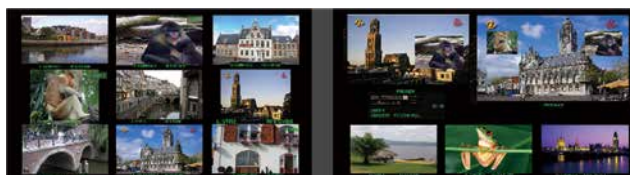
- On screen 1: 9 live inputs
- On screen 2: 3 live inputs with additional Preview and
          Program windows

Configuration 2.

- On screen 1: 12 live inputs with additional Preview and
          Program windows
- On screen 2: Program window

Configuration 3.

- On screen 1: 8 live inputs with additional Preview and
          Program windows
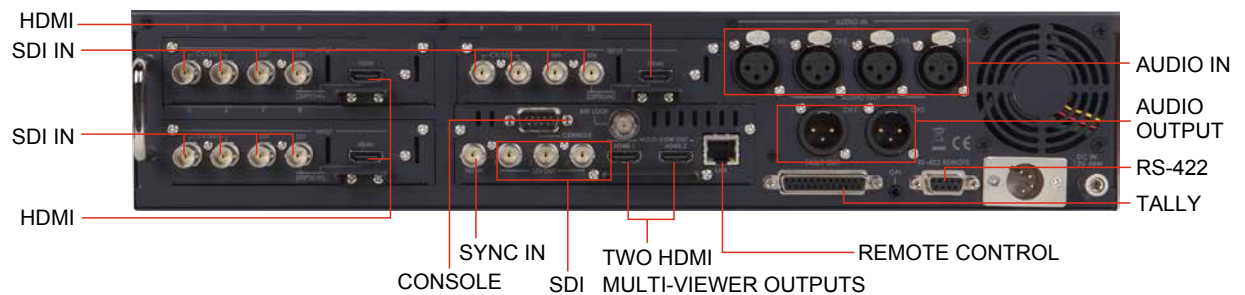- On screen 2: Program window

TOP VIEW

WIPES
MENU
FS
AUX
AUDIO LEVEL
PROGRAM

PRESET

LOGO1
LOGO2
PROGR/
PRESET
CLOCK
SPEED
TRANSITION

TIMER

REAR VIEW

CONSOLE

FRONT VIEW OF THE PROCESSING UNIT

POWER

REAR VIEW OF THE PROCESSING UNIT

HDMI
SDI IN

SDI IN

HDMI

AUDIO IN
AUDIO OUTPUT
RS-422
TALLY

SYNC IN
CONSOLE
SDI
TWO HDMI MULTI-VIEWER OUTPUTS
REMOTE CONTROL

SPECIFICATIONS

- Video format
  SD (480/59.94i,576/50i)
  HD (1080/59.94i, 1080/50i)
- Video Processing
  Y:Cb:Cr, 4:2:2, 10-bit
  SMPTE 259M-C (270 Mbps, 525/625 component video)
  SMPTE 292M (1.485, 1.485/1.001 Gbps)
- Genlock Mode: blackburst or tri sync input
- Remote Control: RS-422
- Operating Temperature: 0˚C~50˚C

■ CONTROL PANEL
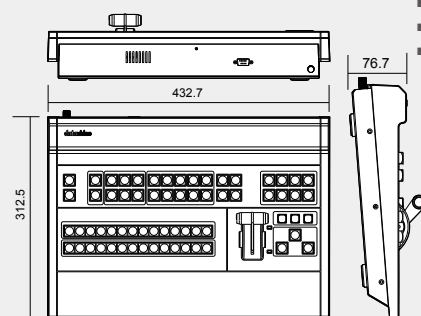
■ 432.7(W) x 76.7(H) x 312.5(D) (mm)
■ Power:12V 1A
■ Weight:3.8 KG

76.7
432.7
312.5

■ MAIN UNIT

482
87.5
302
88
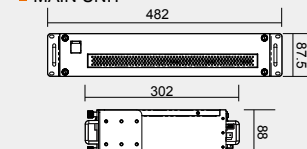
■ Size: 482(W) x 88(H) x 302(D) (mm)
■ Power: 12V 10A
■ Weight: 5.2KG

HD 5-CHANNEL DIGITAL VIDEO SWITCHER
SE-2000

The Datavideo SE-2000 is a rugged and very portable five channel HD video & audio switcher designed to excel in a demanding live production environment.

The SE-2000 switcher supports 1080i or 720P video, and also provides an array of simple-to-operate features,

including up to 14 pre-stored logos, digital clock display, five user setup, DVI-D connection for use with presentation software and titling solutions such as Datavideo CG-350.

Whether you are in worship, education, conducting a live outside broadcast or shooting inside a

production studio, the Datavideo SE-2000 HD video and audio switcher enables you to switch seamlessly between video and audio sources and blend high-quality digital content on the fly, even without external genlock, thanks to the built in TBC.

FEATURES

- HD resolution: 1920 X 1080i & 1280 X 720P

Input configuration:

HD-SDI & 1 x DVI-D or 3 x HD-SDI & 2 x DVI-D.

Output configuration: Program: Full HD output, HD-SDI and HD-YUV format Preview: DVI-D

- Preview (PVW) out with multi-viewer
- DVI-D for presentation software and simple title
- Store and select from 14 user created Logos (accepted size 256x192 pixels, TGA or BMP)
- 4 channel audio mixer with balance XLR audio, selectable microphone or line inputs
- A+V Audio follows Video switching operation
- Lumakey, real-time simple titling display
- Picture in Picture, Picture Freeze & Fade to Black.
- 5 individual Speed keys for instant selection with TAKE effect
- 5 users preset memory
- Tally signal output
- 13 Transition with optional borders (width, soft or hard edge)

Multi-viewer PVW out & Clock display
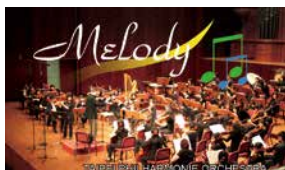
PVW   CLOCK   PROGRAM

WIPE
SPEED
USER
RESOLUTION

CAM1
(HD-SDI)
CAM2
(HD-SDI)
CAM3
(HD-SDI)
CAM4
(DVI/HD-SDI)
CAM5
(DVI)
PIP SUB-VIEW

FRONT PANEL

- FUNCTION
- LOGO
- PIP & KEYING
- EFFECTS
- SPEED
- T-BAR
- TAKE
- CUT
- MAIN SOURCE SELECTOR
- SUB SOURCE SELECTOR

- AUDIO SOURCE
- AUDIO MIXER
- HEADPHONE

REAR PANEL

- AUDIO OUT
- AUDIO IN
- DVI-D IN
- HD-SDI IN
- HD-SDI IN / DVI-D IN
- TALLY
- FW Upgrade & REMOTE

- POWER
- DC IN 12V 5A
- DVI-D MULTI PREVIEW OUT
- HD-YUV PGM OUT
- HD-SDI PGM OUT
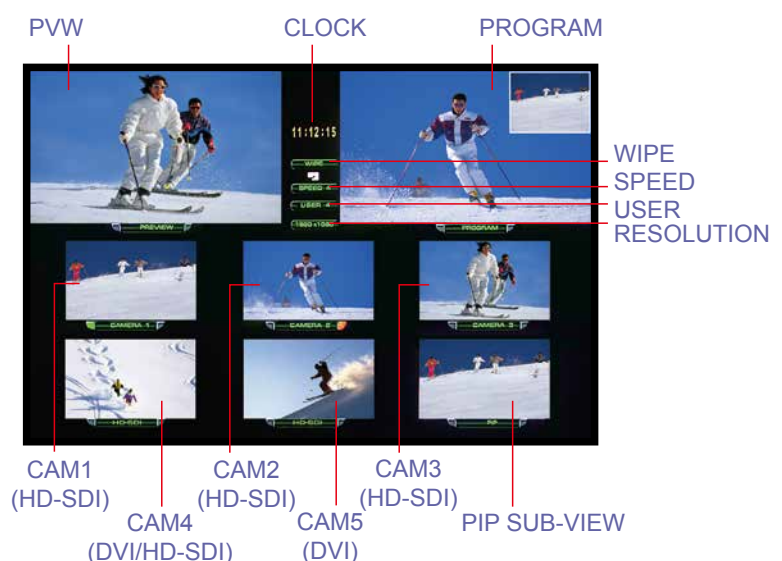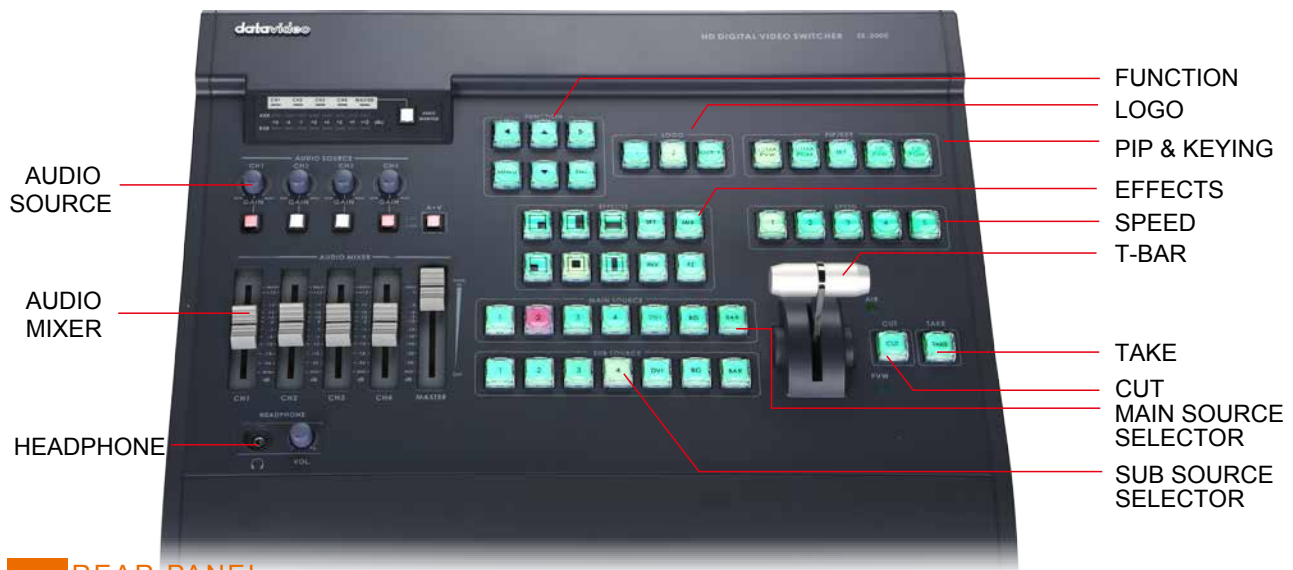
FEATURES

LOGO & Clock

CG Overlay

Speed key & Take

PIP

Audio Mixer, provide balanced audio inputs and outputs

Audio follow video synchronization switching

RS-232 & Tally Interface

DC IN 12V 5A

Multi-viewer monitoring

Selectable 4-CH Mic or Line Audio Input, support +48V XLR Microphone

Selectable inputs:
3HD-SDI+2DVI   4HD-SDI+DVI
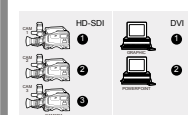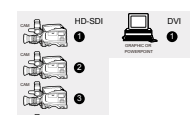
SETUP DIAGRAM
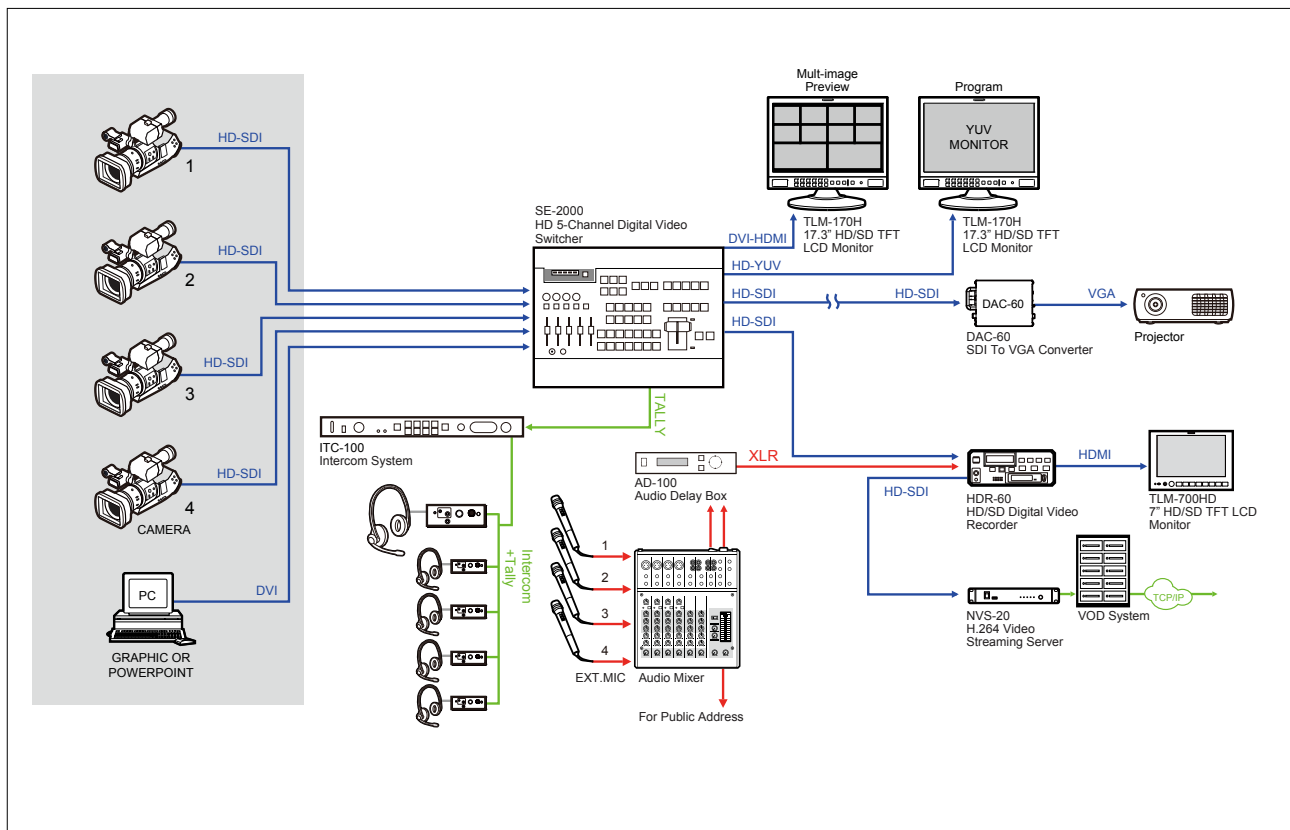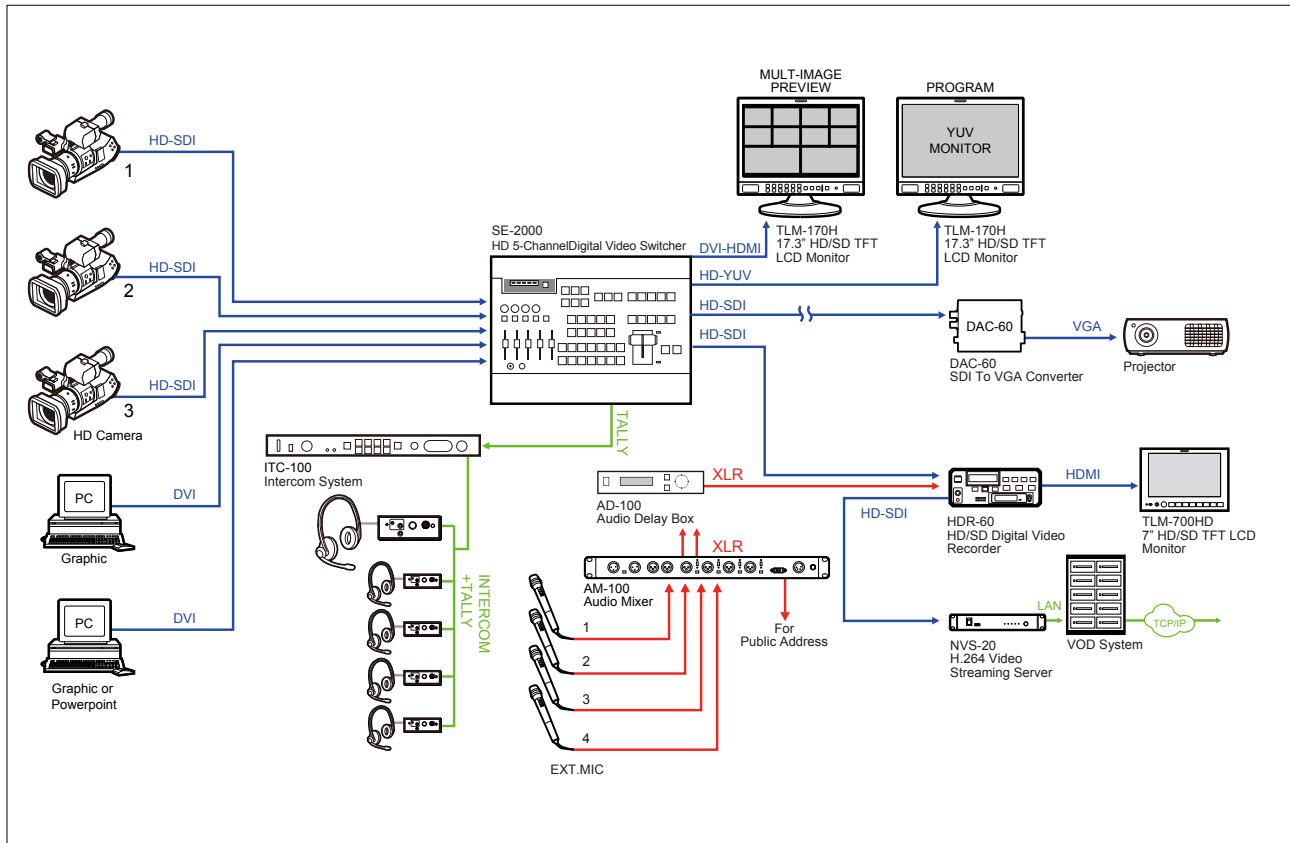
SPECIFICATIONS

Inputs:
■ 4 x HD -SDI + 1 x DVI-D or 3 x HD -SDI + 2 x DVI-D

■ Output: 2x HD-SDI, HD-YUV and 1x DVI-D

■ Program output:

■ 2x HD-SDI, 1x HD-YUV

■ Preview output: DVI-D

■ Multi-viewer display in PVW output - 6x monitoring, 1x PVW and 1x PGM

Audio:

■ 4-CH XLR balanced audio input separate channel

■ 2-CH XLR balanced audio output.

■ Switchable Line and MIC mode for input audio

■ HD-SDI SMPTE 292M standard

■ Output return loss :

> 15 dB (5MHz to 750MHz)

> 10 dB (750MHz to 1.5GHz)

■ Output level: 0.8 Vpp ± 10%

■ Rise time: < 270 ps

■ Fall time: < 270 ps

■ Difference between rise time and fall time within 100 ps

■ Alignment jitter < 0.2 UI

■ Timing jitter : < 1.0 UI

■ Eye aperture ratio : > 90%

■ DC offset : 0 ± 0.5V

■ Equalizer use 5C-FB cable support 100 meters

■ HD-YUV Output:

■ Bandwidth 30MHz < +/- 3dB

■ S/N Ratio > 50 dB

■ DG <3 degree, DP <3%

Audio:

■ Bandwidth 20~20KHz < +/- 3dB

■ S/N Ratio > 70 dB

■ THD. < 0.1%

■ Support Inter Gen-Lock for the input videos

SE- 2000 Unit Dimensions

■ Width: 429 mm

■ Depth: 330 mm

■ Height: 85 mm

■ Net Weight: 3.7 Kgs

Power Supply:
100-240VAC 50/60Hz
12V/31W

RESOLUTION

INPUT

| 1920*1080 | 50i 60i 59.94i | 1280*720 | 50P 60P 59P |

OUTPUT

| 1080i | 50i 60i 59.94i | 720P | 50i 60i 59.94i |

APPLICATIONS (OPTIONAL)

TLM-170H
17" HD LCD

HDR-60/70
HD Video Recorder

CG-350
HD/SD Character Generator

AD-100
Audio Delay Box

DAC-60
SDI to VGA Converter

DAC-8P
SDI to HDMI Converter

DAC-9P
HDMI to SDI Converter

DAC-50
SDI to Analogue Cross Converter

CB-10
3m HD YUV Cable

CB-20
1.8m DVI to HDMI cable

HD 5-CHANNEL RACK MOUNTABLE DIGITAL VIDEO SWITCHER
SE-2000R

HD video solution for lectures hall/conference rooms

Datavideo SE-2000R is a 5 channel rack mountable HD switcher, with the same video interfaces, keyers and DVE features as the SE-2000. The SE-2000R is integrated with a standard 2U Control Panel and RS-232 PC remote control interface.

Two DVI-D Input interfaces facilitate to laptops or PCs for text overlay and PowerPoint presentations. In combination with Datavideo PTC-100 PTZ Camera and RMC-180 Camera Control Unit, the SE-2000R is an ideal video solution for lecture halls, board rooms and conference rooms, where the presence of cameramen are not required.

FEATURES

- HD resolution: 1920 X 1080i & 1280 X 720P
  Input configuration:
  - 4 x HD-SDI & 1 x DVI-D or
  - 3 x HD-SDI & 2 x DVI-D
  Output configuration:
  Program: Full HD output, HD-SDI and HD-YUV format
  Preview: DVI-D
- Preview (PVW) out with multi-viewer
- DVI-D PC INPUT for presentation software and simple title
- Store and select from 14 user created Logos (accepted size 256x192 pixels, TGA or BMP)
- Lumakey, real-time simple text overlay display
- Picture in Picture, Picture Freeze & Fade to Black
- 5 users preset memory

Multi-viewer PVW out

SETUP DIAGRAM
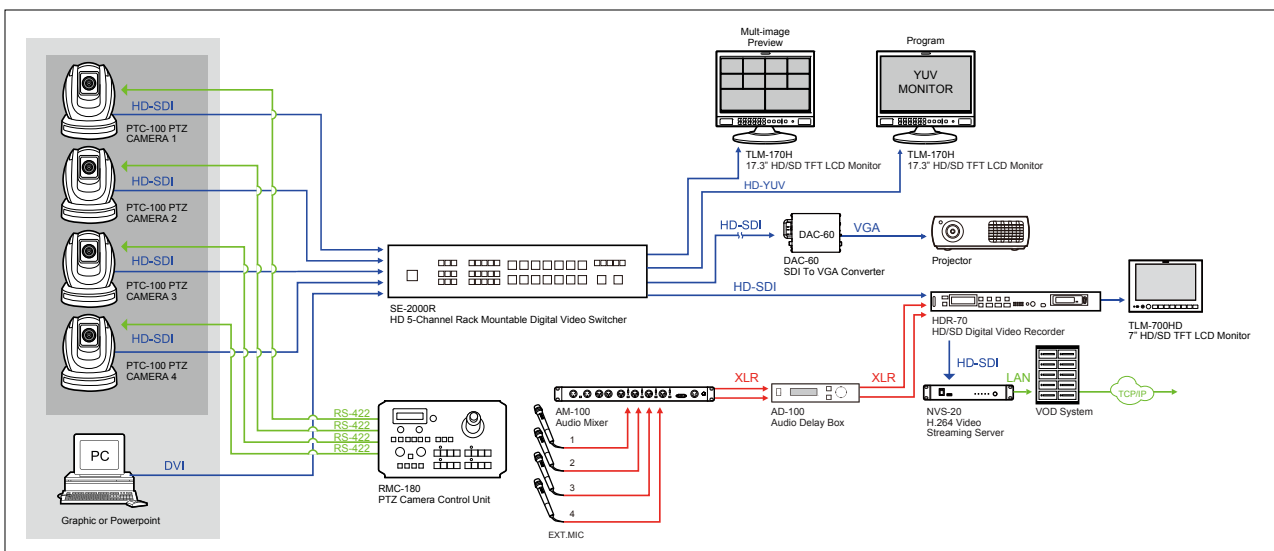
REAR VIEW

SPECIFICATIONS

Input:

■ 4 x BNC connector for HD -SDI input + 1 x DVI-D input or 3 x BNC connector for HD -SDI input + 2 x DVI-D input

■ Output: 2x HD-SDI output, 1x HD-YUV output, and 1x DVI-D output

■ Program output:

■ 2x HD-SDI, 1x HD-YUV

■ Preview DVI-D

■ Multi-viewer display in PVW output includes 6x monitoring, 1x PVW and 1x PGM

■ HD-SDI SMPTE 292M standard

■ Output return loss :

> 15 dB (5MHz to 750MHz)

> 10 dB (750MHz to 1.5GHz)

■ Output level: 0.8 Vpp ± 10%

■ Rise time:< 270 ps

■ Fall time: < 270 ps

■ Difference between rise time and fall time within 100 ps

■ Alignment jitter: < 0.2 UI

■ Timing jitter: < 1.0 UI

■ Eye aperture ratio : > 90%

■ DC offset : 0 ± 0.5V

■ Equalizer use 5C-FB cable supports 100m

■ HD-YUV Output:

■ Bandwidth 30MHz < +/- 3dB

■ S/N Ratio > 50 dB

■ DG <3 degree, DP <3%

(Base on U, V signal analyze)

SE- 2000R Unit Dimensions

■ Width: 482 mm

■ Depth: 302 mm

■ Height: 88 mm

■ Net Weight: 4.2 Kgs

Power Supply:

■ 100-240VAC, 50/60Hz

■ 12V/30W

RESOLUTION

INPUT		OUTPUT	
1920*1080	50i / 60i / 59.94i	1080i	50i / 60i / 59.94i
1280*720	50P / 60P / 59P	720P	50i / 60i / 59.94i

APPLICATIONS (OPTIONAL)

PTC-100
HD PTZ Camera

RMC-180
PTZ control unit

HDR-60/ 70
HD HDD Recorder

PC REMOTE U/I

SD 8-CHANNEL
DIGITAL VIDEO SWITCHER
SE-900

VGA | DVI | YUV | DV | CV | SD

Multi-viewer Preview Output

Datavideo SE-900 is a modular 8-channel SD switcher with an expandable feature set. The two piece unit consists of a 19-inch rack mountable main frame that holds up to 8 input cards, and a control panel. The modular switcher accepts a mix of 8 SD inputs of your choice including DV, SDI, DVI/VGA, YUV, S-Video(Y/C) and composite video. Standard outputs include DV, YUV,

S-Video (Y/C) and composite video. SE-900 features a built in frame synchroniser and TBC for each channel for flicker free switching between all 8 inputs - in any format. An optional input card is available for genlock to existing house reference. The preview output includes both next source and next effect, enabling the producer to preview any effects

in confidence before "going live".

The Datavideo SE-900 features down stream keyer for easy integration with a character generator system, such as Datavideo's CG-100 or CG-350. To accommodate for any delay in DV or SDI equipment SE-900 includes an audio delay function as well as a DV/SDI audio embedder.

FEATURES

- Up to 8 inputs available for any format including SDI, DV, DVI, VGA, YUV, S-Video, Composite Video

- Outputs include SDI, DV, YUV, S-Video & Composite Video

- Multi-viewer preview panel allows the producer to monitor all live sources (up to 8 input) as well as Program & Next source

- Easy adjustable audio delay for perfect video/audio sync with DV & SDI sources

- SDI & DV Audio embedder• Audio input & output includes RCA(phono) and balanced audio via XLR

- Optional 4 channel chromakeyer: each keyer can accept 4 foreground inputs and 4 background inputs.

- Picture in Picture

- Tally output

- GPI & RS-232 control interface for integration with existing equipment

- SDI graphics overlay interface for character generator software such as Datavideo CG-100

- No genlock is required for flicker free switching thanks to the built in frame synchronisers and TBCs

CONTROL PANEL VIEW

NO GENLOCK REQUIRED

LCD ensures easy menu navigation

Menu control

Control buttons

Preset keys

Sub-source

Main source

Key selector Freeze

Pre-View

Effect selector

Transtion selector

Joystick

PIP position selector

RGB control selector

Effect speed control

GPI auto take button

Cut button

Auto take button

T-Bar

Fade to black

BASE UNIT REAR VIEW

Audio input Balanced & RCA

Audio output Balanced & RCA

Cards:
- ChromaKey
- External genlock
- Multiviewer
- SDI CG overlay
- SDI output
- Analog & DV out
- RS-232
- RS-422

Panel connector

Tally

Power connector

Monitor out

Input types:
- SDI
- DV
- Component
- Y/C
- Composite video

FEATURES

6 pre-set speed keys to set auto take, key or other event

Quick key for selection of Fade to Black

Joystick for RGB control or PiP position

Effect selector including PiP, Mosaic, Paint, Chromakey, Logo insert and much more

The bright screen ensures easy navigation

10 quick keys for pre-set events & effects. Pre-program frequently used effects

Four channel virtual studios selection

Install optional cards including SDI, DVI, downstream keyer, genlock in and more

Phono RCA and balanced XLR audio, with audio delay function, for audio / video synchronization

Each live channel, plus preview and program multi-viewer preview
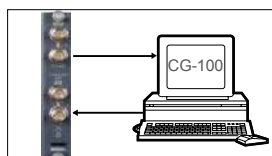
Downstream keyer for Internal and External keying options. Use with Datavideo character generators

Advanced tally feature for easy connection to external systems such as Datavideo ITC-100 or TB-5

SE-900 Boards

INCLUDED

External Control Board

SDI CG Over-lay Board

DVI Multi Viewer Board

Analogue and DV - Output Board

OPTIONAL

SDI Input Board

Analogue Video - Input Board

DVI-D & VGA Input Board

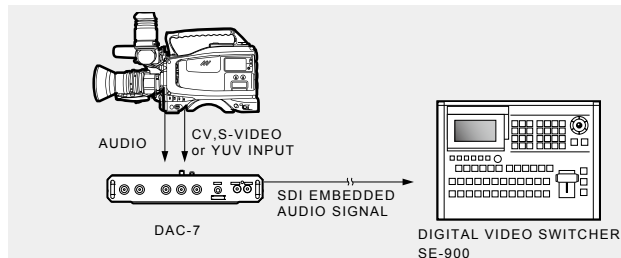DV Input Board

Four Channel Chromakey Board

SDI Output Board
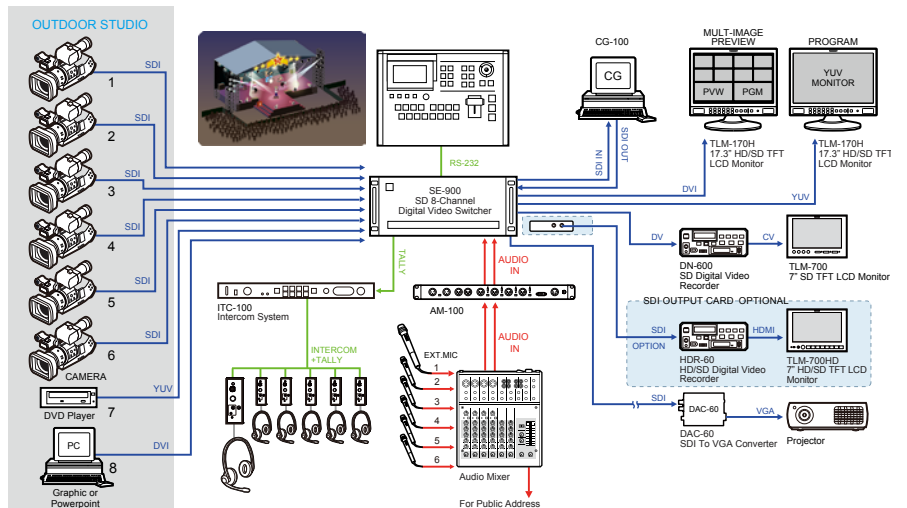

Genlock Board

Optional converters
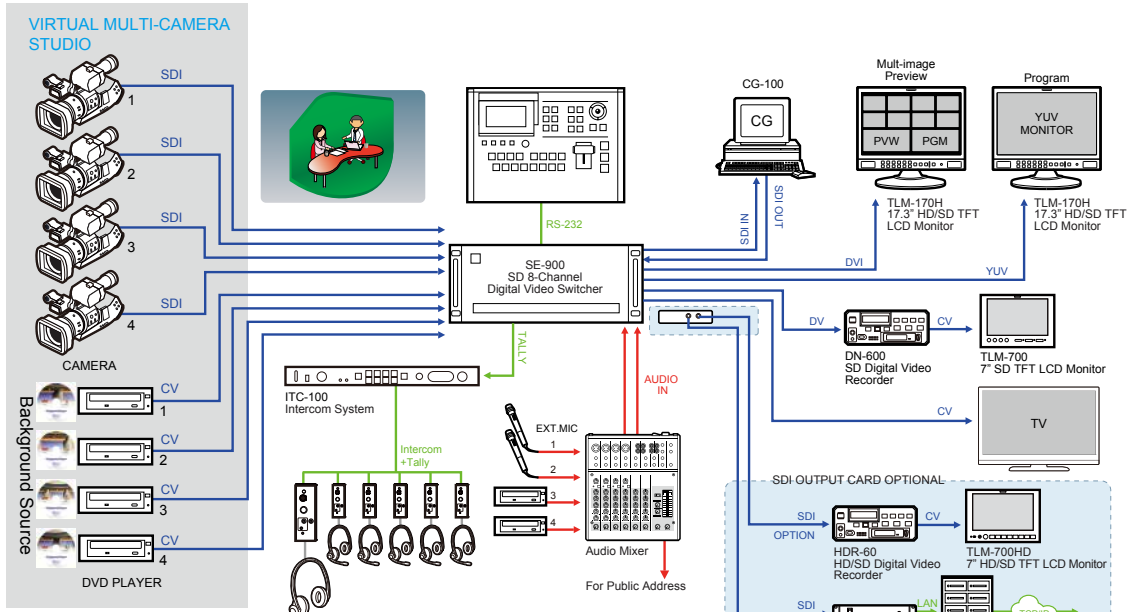
CV.S-VIDEO or YUV to SD-SDI Converter

DAC-7

AUDIO

CV,S-VIDEO or YUV INPUT

DAC-7

SDI EMBEDDED AUDIO SIGNAL

DIGITAL VIDEO SWITCHER SE-900

Application & Setup Diagram

Studio System Setup

Chromakey Studio Setup

SPECIFICATIONS

■ Video Input
Up to 8 inputs in any format, including SDI, DV, Ana-
logue Y:U:V, composite video & Y/C (S-Video) DVI-D
or VGA

■ Audio Input
Both balanced XLR and RCA with audio delay for
perfect sync with DV or SDI video sources

■ Audio Delay
Adjustable for accurate synchronisation between -17
to 0 frame

■ Video Output
Simultaneous SDI, DV, Component Y:U:V,
S-video(Y/C) and composite video output. Additional
output options include; SDI with embedded audio

■ Audio Ouput
RCA (Phono) and Balanced XLR ±12Vp-p

■ Preview Output
Each input includes a composite output, as well as a
unique multi-viewer preview

■ CG Overlay
SDI graphics overlay interface using Datavideo CG-
100 or CG-350 utilising Blackmagic Design™ Deck-
Link Card™

■ Remote Control
RS-422 & RS-232 & GPI

■ Tally interface
D-SUB 15-PIN Group A 1-4 input, group B 5-8

■ Video correction
Video correction for each channel include; brightness, contrast,
saturation and white balance

■ 6 selectable transition speeds

■ FTB key - fade to black, short cut key

■ 10-Pre-event preset keys

■ 15 transition effects

■ Digital Effects:
PiP, Border Line, Art Paint, Mosaic and
Black/White, Chromakey

■ Power
DC12V 10A

■ Dimensions
Main Unit 430 wide x 350 high x 17.6 deep (mm)
Control Panel 430 wide x 310 high x 95 deep (mm)

■ Weight
Main Unit   11.4KG
Control Panel   2.6KG

SE-900 ACCESSORIES (OPTIONAL)

TLM-170H	TLM-700	TLM-702	TLM-404H	DN-600
17.3" HD LCD monitor	7" SD TFT LCD Monitor	7" X 2 SD TFT LCD Monitor	4" X 4 SD LCD Monitor	Video Recorder
ITC-100	VP-314	TB-5	DAC-7	DN-700
Intercom System	DV Repeater	Tally Box	Analogue to SDI converter	Video Recorder
CG-100	CB-14	CA-64	CB-22/ 23	1066/2066
SD Character generator	3m SD YUV cable	6-Pin to 4-Pin DV adapter	HD/SD 30m/50m all in one cable with power	10m DV Cable 20m DV Cable

SD 8-CHANNEL DIGITAL VIDEO SWITCHER
SE-600

The Datavideo SE-600 is an eight input Standard Definition video switcher, with built in dual channel audio mixer. The SE-600 provides 6x Composite Video, 1x DVI-D and 1x DVI-I input with Multi-View output displaying each input, as well as Program & Preview on one monitor.

Other features include audio peak-meter, clock and dual logo store. With the optional SDI and DV output board, SE-600 provides broadcast quality and is designed to excel and meet your demands whether you are working in worship, education, conducting a live outside broadcast or shooting inside a production studio.

SE-600 enables you to switch seamlessly between video and audio sources and blend high-quality digital content on the fly, even without external genlock, thanks to the built-in time base corrector.

FEATURES

- Input: Video: 6 CVBS + 1 DVI-D + 1 DVI-I SD grade
- Output:
  1) Preview out: DVI-D for Multi-Viewer with clock and audio
     level indicator
  2) Main out: 2 selectable 2x CVBS + 1x Y/C
     1x CVBS + 1x Y:U:V
  3) 2x AUX Out: AUX1 output 2x CVBS
     AUX2 output 2x CVBS
  4) Optional outputboard: 2x DV out + 2x SDI out (withaudio embedded (for DN-60 and other external devices such as screens, recorders and video streaming all at the same time)
- SMPTE Pattern out
- Dual Picture-in-Picture function
- LOGO: up to two logo display on the same screen
- One frame still store memory as a source
- Luma Key function for text overlay
- 16:9 or 4:3 compatible
- Tally out
- SD card interface for update software & LOGO

- Special key functions:
  1) Fade to solid color (background color can be selected)
  2) Instant speed key up to 5 keys, speed can be programmed
  3) Aux source keys
- RS-422
- GPI trigger out: trigger the external video player with "delay" transition effect. The delay time can be adjusted
- GPI trigger In
- Power input: DC 12V
- Color and white balance correction
- OSD Display
- Audio Mixer:
  - Input: 2x XLR with Mic (48V) in 2x RCA Line In
  - Output: 2x XLR and 2x RCA
  - LED audio-level indicator
  - Audio follow video synchronization switching
  - Audio dealy funciton, up to 30 frames for perfect synchronization of audio and video
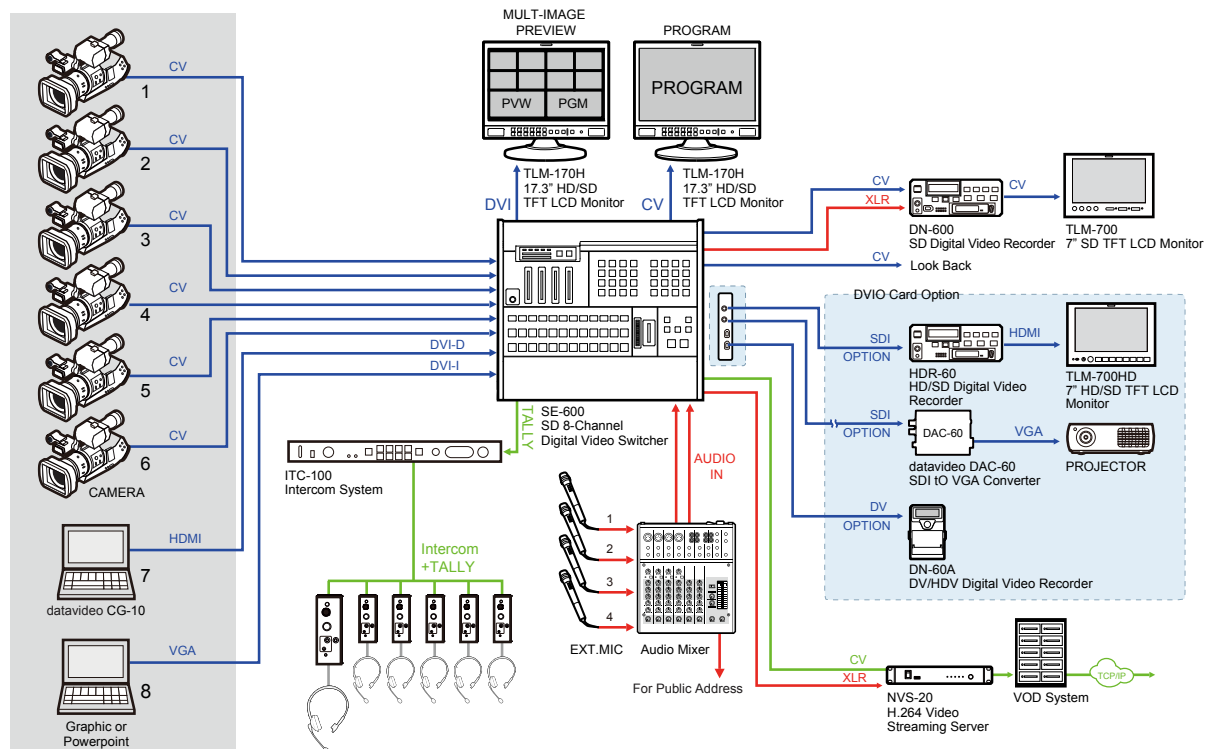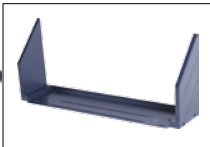
FRONT VIEW

- EFFECTS
- TRANSITION
- AUDIO MIXER
- HEADPHONE VOL.
- CONTROL BUS
- SPEED/ LEVEL
- MAIN SOURCE
- SUB SOURCE
- TAKE
- CUT

REAR VIEW

- 2-CH DV & SDI OUTPUT MODULE (OPTION)
- AUDIO IN
- AUDIO OUT
- DVI-D IN
- DVI-I IN
- CV IN
- CV OUT
- MULTI-VIEWER OUTPUT
- GPI
- RS-422
- DC IN 12V 40W
- TALLY OUTPUTS
- POWER

SETUP DIAGRAM

- MULT-IMAGE PREVIEW
- PROGRAM
- PVW PGM
- PROGRAM
- TLM-170H 17.3" HD/SD TFT LCD Monitor
- TLM-170H 17.3" HD/SD TFT LCD Monitor
- DVI
- CV
- DN-600 SD Digital Video Recorder
- TLM-700 7" SD TFT LCD Monitor
- Look Back
- DVIO Card Option
- HDR-60 HD/SD Digital Video Recorder
- TLM-700HD 7" HD/SD TFT LCD Monitor
- datavideo DAC-60 SDI tO VGA Converter
- PROJECTOR
- DN-60A DV/HDV Digital Video Recorder
- SE-600 SD 8-Channel Digital Video Switcher
- CAMERA
- datavideo CG-10
- Graphic or Powerpoint
- ITC-100 Intercom System
- Intercom +TALLY
- EXT.MIC
- Audio Mixer
- For Public Address
- NVS-20 H.264 Video Streaming Server
- VOD System
- TCP/IP

S-VIDEO (Y/C) & CV
SE-500

ACCESSORIES (OPTIONAL)

TLM-702 2 x 7" LCD monitor bank

TLM-702 monitor bank holder

SE-500 Quad Screen

Superimposed tally & next effect indicator

Transition effects display

The SE-500 uniquely displays all four input sources via a single quad output.

The Datavideo SE-500 is a compact and light weight, four channel analogue input, digital processing video switcher with S-Video (Y/C) and Composite Video inputs. In addition to S-Video and Composite Video, the SE-500 also provides Component (Y:U:V) output. The SE-500 is ideal for applications within education, seminars, small studios, clubs, pubs and many more.

The SE-500 uniquely displays all 4 input sources via a single quad Output, including a superimposed tally indicator on each input, meaning you only need two video monitors - one for all four inputs, one for output. The input display will automatically change to preview the next transition. Features include Dissolve, Fade, Wipes, Splits, PIP and Colour Processor. Channels are internally synched via a built in dual Channel TBC 4:2:2 frame synchroniser. The SE-500 can be manually operated or controlled via RS-232 & MIDI interface.

FEATURES

- Digital Processor, high image quality
- Illuminated control buttons
- T-Bar control of digital video effect transitions
- 4 S-Video or composite video inputs
- Optional Y:U:V via breakout cable
- RS-232 Remote control interface
- MIDI Control interface
- Tally output
- Audio mixer with 2 mic channels plus aux inputs
- Color processor for video correction
- Quad video preview monitor output with tally indicators on TV screen
- Digital video effects Split, PIP, Wipe, Fade and Quad display effect

SETUP DIAGRAM
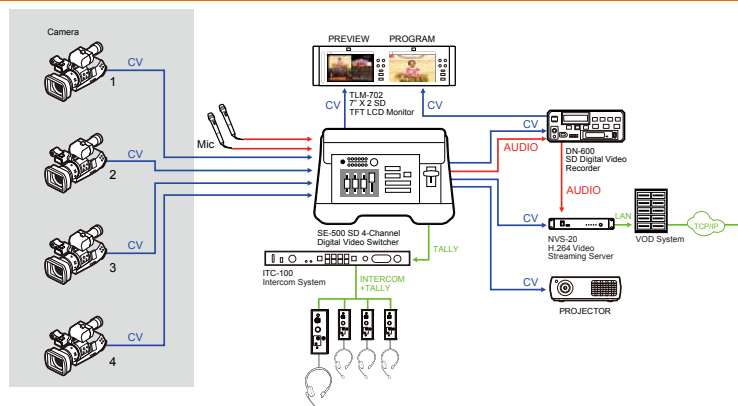
FEATURES

High quality digital processor

Colour processor for video correction

Built in audio mixer with 2 microphone channels, 1 aux video source input

Special effect selector

| QUAD | SPLIT | PIP | FREEZE |

FRONT VIEW

Headphone Vol Control

Audio Meter

3.5mm jack headphone connector
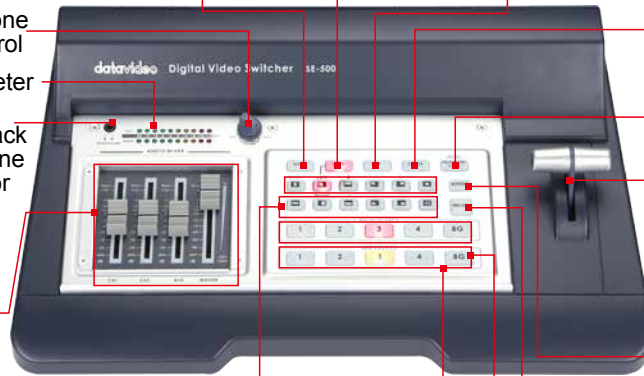
Background Colour selector

T-Bar control of digital video effect transitions

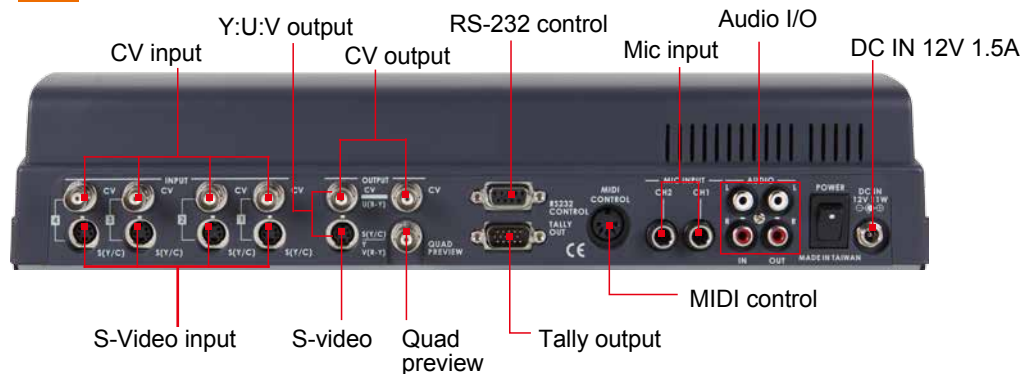Border

Preview

Transition mode selector

Next source selector

Main source selectors

Backlight Control Panel
Ideal when working in dark locations

NO GENLOCK REQUIRED

No genlock is required thanks to the built in dual channel TBC and frame synchroniser

REAR VIEW

CV input

Y:U:V output

CV output

RS-232 control

Mic input

Audio I/O

DC IN 12V 1.5A

S-Video input

S-video

Quad preview

Tally output

MIDI control

ACCESSORIES (OPTIONAL)

TB-5 TALLY BOX & INDICATORS (OPTIONAL)

Power

15-Pin Tally connector

Tally Out
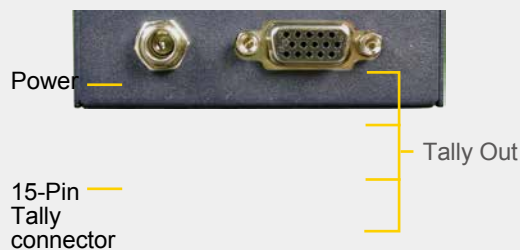
TB-5 Tally Box & LED Indicators

TB-5 Tally Box & TD-2 Indicators

TD-2
1

TD-2
2

TD-2
3

TD-2
4

CB-1

TALLY

TB-5

TALLY

AV
AV
AV
AV

TD-2
Tally Indicator
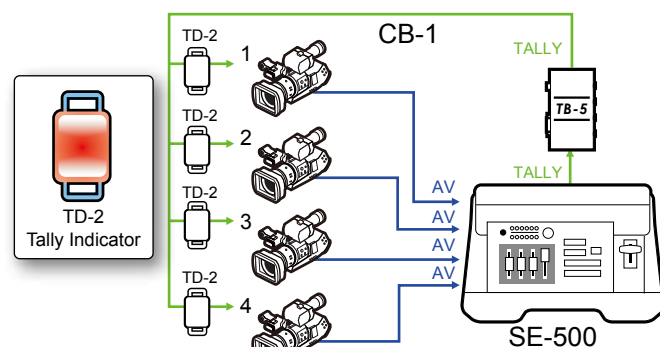
SE-500

ACCESSORIES (OPTIONAL)

Ethernet Remote Controller   RMC-150

RMC-150 Ethernet Remote Control box is a PC/Network control box. Allows full control of SE-500 using Datavideo's free software (Available from our website)

■ **REAR VIEW**

■ **Connection Diagram**

COMPUTER

RS-232

HUB

RS-232 CABLE

TCP/IP

ETHERNET CABLE

■ **Remote control software**

Connect The SE-500 direct to a RS-232 port on a computer to control the switcher with software

System Requirements
■ CPU: Pentium 4, 2.4GHz
■ RAM: 512MB RAM
■ Screen Resolution: 1024x768
■ OS: Windows XP™

ACCESSORIES (OPTIONAL)

DN-200	DN-600	DN-700	BAC-03	ITC-100
SD video recorder	SD video recorder	SD video recorder	Balanced/ unbalanced audio converter	Intercom system
TLM-702	TLM-700	DVK-200	CKL-300	TB-5
7" X 2 SD LCD monitor	7" SD LCD monitor	SD chromakey	Dual color chromakey system	Tally box
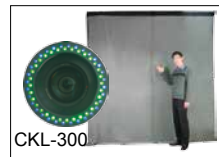
HD/SD-SDI HDD Recorder
HDR-70
4:2:2 COLOUR SAMPLING

HDR-70 is a 2.5" hard disk video recorder and player, with a removable drive enclosure. The HDR-70 records in standard and high definition video equipment via SDI, with a convenient loop thru output. RS-422 and 232 remote control interfaces are standard.

HDR-70 supports 1080p, 1080i, 720p, 576i, 480i video formats and provides a choice of recording in MPEG-II Long-GOP or intra-frame (i-frame) with 4:2:2 color sampling. The recorded MXF/OP1A file format is compatible with a wide range of NLE and play out systems.

Once recording is complete, connect hard drive in its caddy to a PC or MAC based NLE system via USB 2.0, (no extra power supply required).

You can work directly from the removable drive, or copy files across to the computer's video drives.

The compact 1RU 19 inch rack-mountable design can be easily integrated with other equipment in a studio control room, recording room, on an OB truck. They are compatible with Datavideo's PPU systems.

FEATURES

- HD/SD-SDI HDD Recorder with two removable HDD Enclosure for SATA HDD/SSD solid state device
- Video resolutions:
  - 1920x1080 50i/59.94i/60i, 1920x1080 24p/23,96p
  - 1280x720 50P/59.94P/60P
  - 720x576i or 720x480i
- Support NTFS format, no 2GB/4GB file limitation
- HD/SDI input, output and loop thru with embedded audio
- HDMI output with embedded audio
- 2-CH balanced audio inputs, support embedded Audio
- 2-CH balanced audio outputs
- Audio level indicators, earphone interface for audio monitoring with volume control

- External Gen-Lock input and loop thru (B.B or tri-level)
- Time code(TC) input and loop thru
- RS-232/422 and GPI remote interface
- SD mode recording:
  - Selectable 8, 15, 30 or 50 Mbps Long GOP 4:2:0 or 4:2:2
  - 25 or 50 Mbps i-frame only 8-bit 4:2:2
- HD mode recording:
  - Selectable 10, 25, 35, 65 or 100 Mbps Long GOP 4:2:0 or 4:2:2
  - 100/125 Mbps i-frame 8-bit 4:2:2
- Recording file formats: MXF/OP1A, MOV quick time*
  (*. MOV quick time by future firmware upgrade)
- Power: DC 12 Volt, 16 watt

FRONT VIEW

POWER   SCREEN   OPERATION BUTTON   AUDIO LEVEL   VOLUME   GEN-LOCK   REMOVABLE HDD

REAR VIEW

AUDIO OUT   AUDIO IN   GPI   RS-232   B.B./EXT. SYNC IN   TIME CODE   HDMI OUT   HD/SD SDI OUT   HD/SD SDI IN   LOOP OUT   DC IN 12V 16W   POWER

HD/SD-SDI HDD Recorder
HDR-60
4:2:2 COLOUR SAMPLING

The Datavideo HDR-60 is a portable desktop HD video recorder & player, with a removable enclosure for 2.5" hard drives. The HDR-60 records from standard and high definition video equipment via SDI, with a convenient loop through. RS 422 and 232 remote control interfaces are standard.

HDR-60 supports 1080p, 1080i, 720p, 576i, 480i video formats and provides a choice of recording in MPEG-II Long-GOP or intra-frame (i-frame) with 4:2:2 color sampling. The recorded

MXF/OP1A file format is compatible with a wide range of NLE and play out systems.

Once recording is complete, connect the hard drive in its caddy to a PC or MAC based NLE system via USB 2.0,

(no extra power supply required). You can work directly from the removable drive, or copy files across to the computer's video drives.

FEATURES

- HD/SD-SDI HDD Recorder with two removable HDD enclosure for SATA HDD/SSD solid state device
- Video resolutions:
  - 1920x1080 50i/59.94i/60i, 1920x1080 24p/23,96p
  - 1280x720 50P/59.94P/60P
  - 720x576i or 720x480i
- Support NTFS format, no 2GB/4GB file limitation
- HD/SDI input, output and loop thru with embedded audio
- HDMI output with embedded audio
- 2-CH balanced audio inputs, support embedded Audio
- 2-CH balanced audio outputs
- Audio level indicators, earphone interface for audio monitoring with volume control

- External Gen-Lock input and loop thru (B.B or tri-level)
- Time code(TC) input and loop thru
- RS-232/422 and GPI remote interface
- SD mode recording:
  - 8, 15, 30 or 50 Mb/s Long GOP 4:2:0 or 4:2:2
  - 25 or 50 Mb/s i-frame only 8-bit 4:2:2
- HD mode recording:
  - 10, 25, 35, 65 or 100 Mbps Long GOP 4:2:0 or 4:2:2
  - 100/125Mbps i-frame 8-bit 4:2:2
- Recording file formats: MXF/OP1A, MOV quick time* (*. MOV quick time by future firmware upgrade)
- Power: DC 12 Volt, 16 watt

FRONT PANEL

POWER   OPERATION BUTTON

VOLUME   AUDIO LEVEL   REMOVABLE HDD

REAR PANEL

GPI   HD/SD-SDI OUT   LOOP OUT
AUDIO OUT AUDIO IN   HD/SD-SDI IN

B.B./EXT.   TIME   RS-232   HDMI   POWER   DC IN
SYNC IN   CODE   OUT   12V 16W

FEATURES

Audio monitor with Volume control and LED level display

Removable HDD/SSD

Rugged 2.5 inch HDD/ SSD enclosure

USB Interface

E-SATA   USB

HARD DRIVE CARRIER HE-1

WORKFLOW

Lightweight easy to carry

Removable hard disc

USB

USB interface for connecting with PC or MAC based computer NLE systems

FRONT PANEL

HD/SD
POWER LED
TAPE

REAR PANEL

DC
USB
E-SATA

Once you have completed your recording, simply eject the hard drive carrier, and use

USB 2.0 to connect to a PC or MAC based NLE system, (no extra power supplier required, as USB 2.0 provides power so its perfect for laptop use in the field).

You can work directly from the removable drive, or copy video files across to the NLE's video drives.

SETUP DIAGRAM

EXT.MIC

XLR XLR XLR XLR

1 2 3 4

HD-SDI
1

HD-SDI
2

HD-SDI
3

HD-SDI
4

CAMERA

PC

GRAPHIC OR
POWERPOINT

DVI

HD-SDI

7' LCD MONITOR
TLM-700HD

HD-SDI

HD RECORDER
HDR-60

XLR

AUDIO

AUDIO DELAY BOX
AD-100
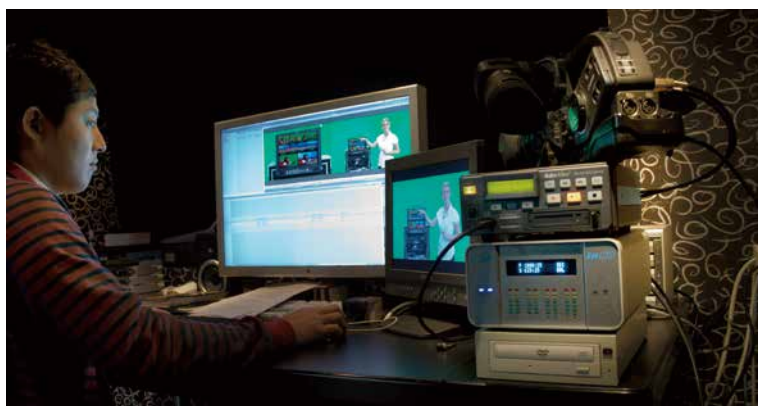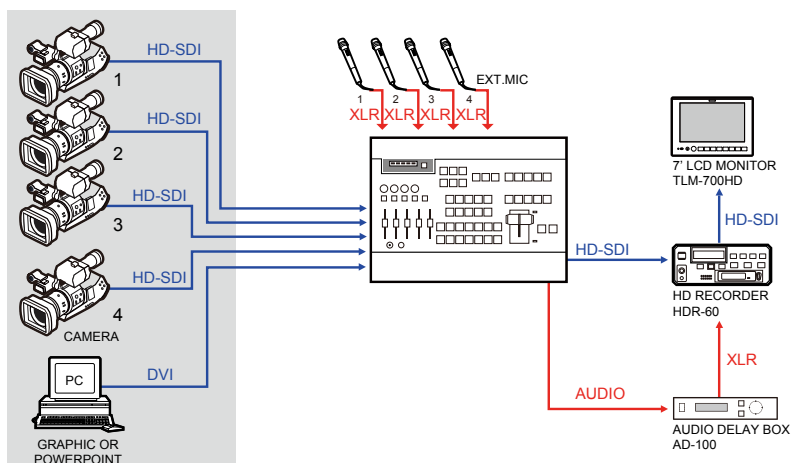
DIGITAL VIDEO HARD DRIVE RECORDER
DN-700

Tapeless, or file based, video acquisition is widely accepted as a replacement for existing tape based systems. Recording times are far longer than traditional tape.

With Datavideo's DN-700 video is recorded as files, saving hours of capturing.

DN-700 comes with a removable hard drive carrier (additional carriers are available). Once you have completed your recording, simply eject the hard drive carrier, and use USB 2.0 to connect to a PC or MAC based NLE system, (no power supplier required, as USB 2.0 provides power so its perfect for laptop use in the field). You can work directly from the removable drive, or copy video files across to the NLE's video drives.

A wide range of video & audio interfaces on the DN-700 allow users to connect to composite Video source or DV equipment.

FEATURES

- Input connections:
  - Composite video and stereo audio (PAL or NTSC)
  - IEEE1394 digital video signal, supports DV25,HDV, DVC Pro 25.
  - Time code Input
  - Balanced / Unbalanced Audio
- Output connections:
  - Composite video and Balanced / Unbalanced Audio
  - Digital format include both DV & HDV
- File format supported:
  - DV: .avi, .mov, .mxf (OP1A)

- HDV: .m2t native
- Time-lapse recording down to single frame.
- Manually triggered single frame recording for animation.
- Eight seconds pre-record buffer , useful in recording unexpected events specially in science research, outdoor recording or security applications.
- Support NTFS formatting eliminate 2GB file size limitation
- Removable USB-HDD easy connection to NLE system.
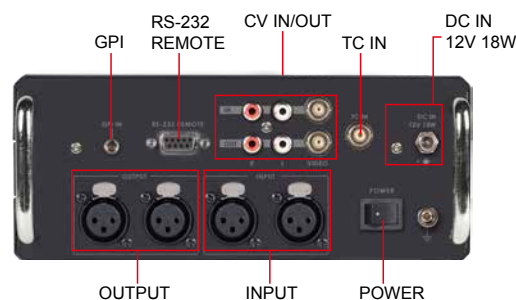- 1U Height fits 19" standard rack mount
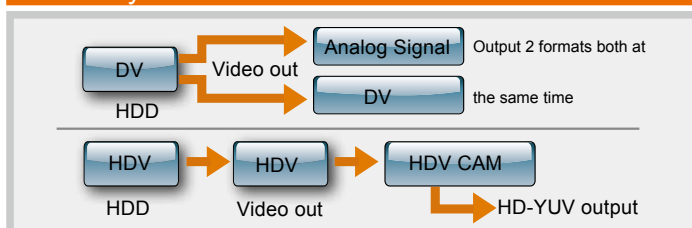- RS-232 and GPI control interface
- DC12V operation

FRONT VIEW

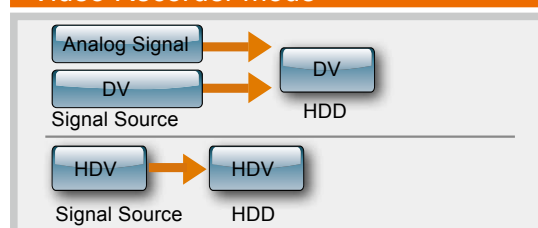POWER　SCREEN　OPERATION BUTTON　AUDIO LEVEL　VOLUME　REMOVABLE HDD

DIMENSIONS

Size: 478 x 240 x 42 (mm)
Weight: 3.5 kg

REAR VIEW

CH1/2 OUTPUT　CH1/2 INPUT　DV/HDV IN OUT　GPI IN　RS-232 REMOTE　CV IN/OUT　TC IN　DC IN 12V 18W

Playback mode

DV — HDD
Video out → Analog Signal　Output 2 formats both at
Video out → DV　the same time

HDV — HDD → HDV — Video out → HDV CAM → HD-YUV output

Video Recorder mode

Analog Signal → DV
DV — Signal Source

HDV → HDV
Signal Source　HDD
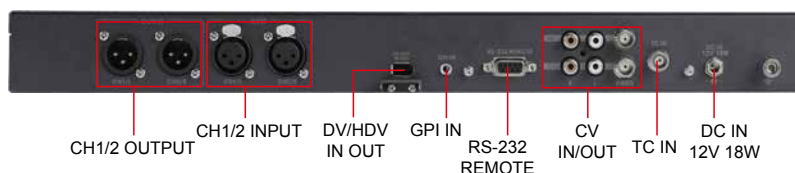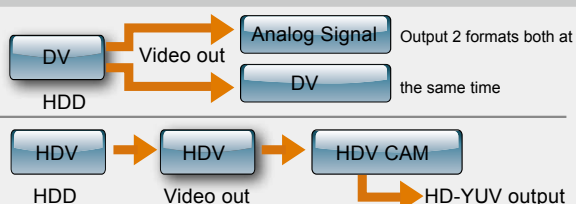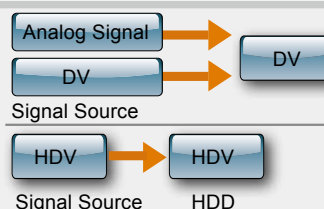
SD DIGITAL VIDEO RECORDER
DN-600

The Datavideo DN-600 is a portable desktop HDV and DV video recorder & player, with a removable enclosure for 2.5" hard drives.
With Datavideo's DN-600 video is recorded as files, saving hours of capturing. The DN-600 comes with a removable hard drive carrier (additional caddies are available).
Once recording is complete, connect hard drive in its caddy to a PC or MAC based NLE system via USB 2.0, (no extra power supply required). You can work directly from the removable drive, or copy files across to the computer's video drives.
A wide range of video & audio interfaces on the DN-600 allow users to connect to composite Video source or DV equipment.

FEATURES

- Input connections:
  - Composite video and stereo audio (PAL or NTSC)
  - IEEE1394 digital video signal, supports DV25,HDV,DVC Pro 25.
  - Time code Input
  - Balanced / Unbalanced Audio
- Output connections:
  - Composite video and Balanced / Unbalanced Audio
  - Digital format include both DV & HDV
- File format supported:
  - DV: .avi, .mov, .mxf (OP1A)
  - HDV: .m2t native
- Time-lapse recording down to single frame.
- Manually triggered single frame recording for animation.
- Eight seconds pre-record buffer , useful in recording unexpected events specially in science research, outdoor recording or security applications.
- Support NTFS formatting eliminate 2GB file size limitation
- Removable USB-HDD easy connection to NLE system.
- 2U Height, half standard rack mount size
- RS-232 and GPI Control interface
- DC12V operation.

FRONT VIEW

VOLUME   DV/HDV IN/OUT   AUDIO LEVEL   HDD   OPERATION BUTTONS

REAR VIEW

GPI   RS-232 REMOTE   CV IN/OUT   TC IN   DC IN 12V 18W

OUTPUT   INPUT   POWER

Playback mode

DV — HDD
Video out
→ Analog Signal   Output 2 formats both at
→ DV   the same time

HDV — HDD
HDV — Video out
HDV CAM
→ HD-YUV output

Video Recorder mode

Analog Signal
DV — Signal Source
→ DV — HDD

HDV — Signal Source
→ HDV — HDD

WORKFLOW

Audio monitor with Volume control and LED level display

Removable Hard disc

Rugged 2.5-Inch hard drive

USB Interface

E-SATA   USB

WORKFLOW

Lightweight easy to carry

Removable hard disc

USB

USB interface for connecting with PC or Apple™ MAC™ based computer NLE systems

HARD DRIVE CARRIER HE-1

FRONT PANEL
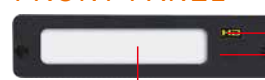
HD/SD
POWER LED
TAPE

REAR PANEL

DC
USB
E-SATA

ACCESSORIES (INCLUDED)

HE-1 Removable Hard drive carrier

Once you have completed your recording, simply eject the hard drive carrier, and use USB 2.0 to connect to a PC or MAC based NLE system, (no extra power supplier required, as USB 2.0 provides power so its perfect for laptop use in the field).

You can work directly from the removable drive, or copy video files across to the NLE's video drives.

DV/HDV DIGITAL VIDEO RECORDER
DN-60A

Datavideo's DN-60A is a portable, camera-mounted, card-based recorder that captures video in a range of formats including HDV, DV and DVCPro50. The Datavideo DN-60A connects directly to your existing DV or HDV camcorder via a single FireWire cable.

The Datavideo DN-60A utilizes the latest solid state technology of removable and high-capacity CF memory cards, providing hours of continuous high definition recordings, enabling you to take advantage of tapeless acquisition in even the toughest environments. Using Datavideo's Direct to Timeline technology, you will speed up the process from acquisition to editing, thanks to file transfer, rather than traditional capturing.

The DN-60A is powered using four AA batteries. Also included is an external power supply

FEATURES

- Light weight, small and very portable
- Removable CF card, compatible with FAT32 or NTFS
- Flexing mounting options include tripod and hot shoe.
- File format supported:
     DV: .avi, .mov & .mxf (OP1A)
     HDV: .m2t native
- Time lapse recording down to single frame recording for stop motion, science, animation or other applications
- 8 seconds pre-record buffer, useful in recording unexpected events especially in science research, outdoor recording or security applications
- Control Interface RS232 compatible with Sony™ Protocol
- Use 4AA batteries for over 3 hours continuous recording
- Can use included external power adapter
- IEEE 1394 input and output.
- DV25 timecode from the camera or generates internal timecode
- Support for DV, HDV, DVCPro25 and DVCPro50
- DN-60A can be controlled directly by the camera through the IEEE-1394 AVC command protocol
- DN-60A supports compatible CF cards capacities, with no minimum nor maximum limit.
- Support NTFS formatting eliminate 2GB file size limitation.

*Datavideo recommends to use SanDisk

FUNCTIONS

Record to inexpensive, reliable and widely available CF-Cards*

CF-Card Capacity	Recording time in DV25 or HDV format
8G	37 Minutes
16G	1:14 Minutes
32G	2:28 Minutes

The compact design enables the DN-60A to be easily mounted onto camcorder.

The DN-60A is powered using four traditional AA batteries. Rechargeable batteries can also be used providing more than four hours continuous recording time on a single charging.Also included is an external power supply.
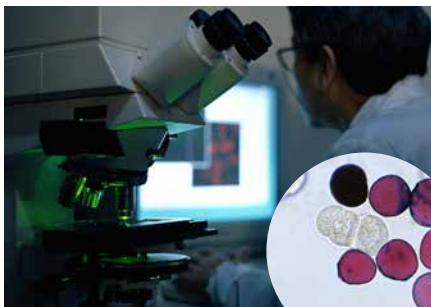
FEATURES

Medical research:

Perfect for microscope recording thanks to built-in time lapse feature

Ecological recording:

The Datavideo DN-60A are rugged light weight and small, and thanks to solid state recording perfect for location use

Model animation:

Built-in time-lapse feature enables you to produce exciting animations. Also perfect for natural history or architectural video recording

News interview:

The DN-60A reduce turn around time from recording to "live broadcast " into seconds because you simply connect the card and the footage is instantly available. No need to capture

Timelaps recording:

REAR PANEL

DV/HDV IN/OUT

REMOTE

RoHS

DIGITAL RECORDER DN-60A

Remote control by RMC-200,

DV/HDV IN/OUT

Camera Mount 1/4 inch female

SPECIFICATIONS

Supported file formats:

DV: .avi & .mov,& .mxf

HDV: .m2t native

Connections

■ DV25 via IEEE1394 In & Out

■ Analogue Audio Input & Output

External Control

■ Remote Control by RMC-200

78.5   38.5

116
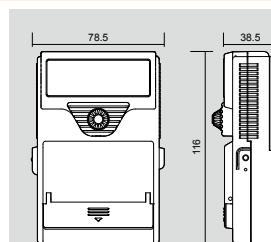
Power:
DC5V~DC12V 0.5A
Size:
78.5 (L) x 38.5 (W) x 116 (H) (mm)
Net weight:
160g/ 5.7oz (Batteries excluded)

ACCESSORIES (OPTIONAL)

TLM-430

4.3" Look-Back Monitor

RMC-200

Look-back/recorder remote controller

BR-01

Mounting bracket for DN-60A and TLM-430

BH-07

Ball head

17.3" HD/SD TFT LCD MONITOR
TLM-170P

Wide view angle

FULL HD 1080P LCD

LCD Life time 50000 hours

Datavideo's TLM-170P is a desktop video monitor that delivers superb image quality. It features a 3G-SDI input, a 1920x1080P full HD industrial grade LCD panel, an 8-channel embedded audio monitor and HDMI and HD-SDI inputs.

Calibrated for video use and featuring professional inputs, it is ideal for live HD production and post-production environments. It is easy to use, robust, has long LCD lifetime and able to deliver excellent performance for years.

FEATURES

- Support 3G/HD/SD-SDI with loop thru, 2 x HDMI(V1.3), Component and 2 x CV inputs
- 8-Ch embedded audio level display of SDI input (HD MODE only); 2-Ch audio level display on HDMI input
- Support video formats:
  - 1080P 24/25/29.97/30/50/59.95/60
  - 1080i 50/59.94/60
  - 720P 50/59.94/60
  - 720x480 NTSC / 720x576 PAL
- Built in Network IP remote control interface:
  - Source select
  - Video Color adjustment
  - PIP source and position setting
  - Pixel Zoom setting up to 8X
- On-Screen Time Code display
- Front panel Headphone and Stereo speaker
- Speaker cable output connections Max 2w
- USB 2.0 interface for FW upgrade

- Tally indicator
- Display panel:
  - 17.3" 1920x1080 Full HD resolution TFT LED Panel
  - Luminance (white): 400cd/m2
  - Contrast: 600:1
  - Responese time(Tr+Tf): 40ms
  - View Angle: Horizontal 80 (Left) / 80 (Right); Vertical 60 (Top) / 80 (Bottom)
- Individual adjustments of Brightness, Contrast, Color Saturation and LED Back light Level for each input
- Selectable color temperature: 6500K, 9300K and user defined mode
- Underscan and overscan mode
- Blue only
- 80% or 90% safearea display
- Edit title on safe area
- 4:3 & 16:9 display modes
- PAL & NTSC auto-switching

FEATURES

(blue only)

Earphone and stereo speaker

TALLY Indicator
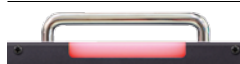
Time Code
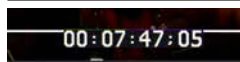
PIP 16:9 or 4:3

80% or 90% safe

color temperature

6500K
7500K
9300K
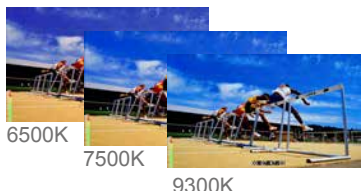
8-CH SDI audio level indicator

Netwrok IP Remote Control

Pixel zoom up to 8X
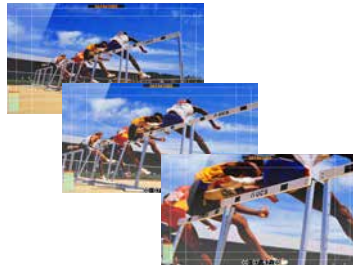
Screen Protector Included

FEATURES

1	TALLY	6	Menu
2	Source Select	7	Volume
3	Blue Only	8	Mute
4	PIP	9	Earphone Jack
5	Pattern	10	Aspect Ratio
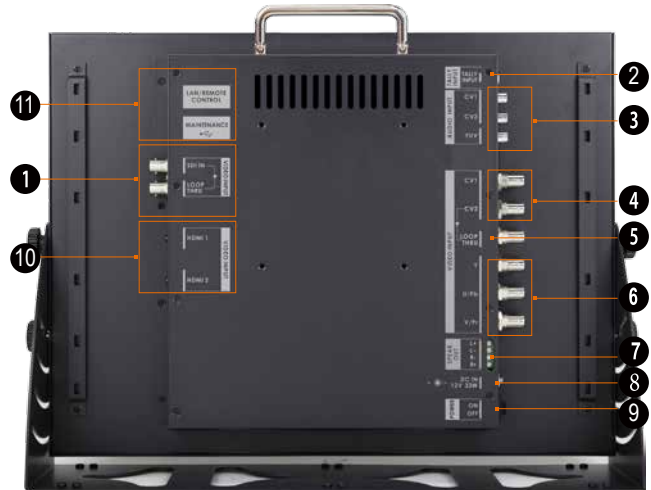
1	SDI input and loop	6	YUV input
2	TALLY	7	Audio line out
3	audio input	8	DC 12V
4	2 x CV inputs	9	Power switch
5	CV2 loop out	10	2 x HDMI inputs
		11	RJ-45 Network Remote

SPECIFICATIONS

LCD	Panel Size	17.3"
	Resolution	Fuu HD 1920 x 1080
	View Angle	"Top: 60 deg Bottom: 80 deg Left: 80 deg Right: 80 deg"
	White Luminance	400cd
	Contrast	600
Video INPUT	HDMI x 2	HDMI Ver. 1.3
	BNC x 1	3G/HD/SD SDI
	BNC x3	Component
	BNC x 2	Composite
Video loop out	BNC x 1	HD-SDI Loop Through Output
	BNC x 1	CV2 Loop Thru Output
SDI Signal Format	SMPTE-425M-A/B	1080p (60/59.94/50/30/25/24) 1080i (60/59.94/50)
	SMPTE-274M	1080p (30/29.97/25/24)
	SMPTE-296M	720p (60/59.94/50)
	SMPTE-125M	480i (59.94)
	ITU-R BT.656	576i (50)
Audio Input	Supports SD/HD-SDI embedded audio (8-CH)	
	Supports HDMI embedded audio (Ver.1.3)	
	Speaker cable output connections (L-, L+, R-, R+) Max 5v p - p (2w)	Speaker Output connections Max 5v p - p (2w)
Audio Output	Built in stereo speakers	
Maintenance	USB 2.0 FW Upgrade	
Power	DC 12V, 30 watts	
Operating Temperature	0 °C to 50 °C	
Accessory	New professional Stand	

17.3" HD/SD TFT LCD MONITOR
TLM-170H

HIGH DEFINITION

The Datavideo TLM-170H monitor is designed for video professionals that insist on superior performance. After all, very professional knows that you are only as good as the tools you use.

Whether it is in combination with switchers, 19'' rack monitoring, in field operation, video editing or the most advanced multimedia video you are creating, the Datavideo TLM-170H monitor offers the right tool for your job.

TLM-170H	TLM-170HR	TLM-170HM
Desktop	7U rack mount	1U mobile tray rack mount

FEATURES

- Each monitor has a HD-SDI video input with loop-through output
- Screen resolution: 1600 x 900
- Brightness: 220 cd/m²
- Contrast Ratio: 500
- Adjustment of brightness, contrast, color saturation and backlight level
- Monitor Underscan and overscan mode selection
- Adjustable color temperature setting (6500K, 7500K, 9300K and user defined)

- On-Screen time code available when monitoring SD-SDI or HD-SDI signals
- On-Screen editable monitor title on safe area
- LED backlight adjustment
- PIP / adjustable PIP source and placement settings
- Front panel headphone jacks
- Tally indicator
- Audio indicator
- Safe area indicator

FEATURES

Blue only

Speaker & Head-phone Monitor

Tally

Safe area indicator 4:3 & 16:9

Support for time code

00:07:47:05
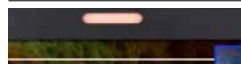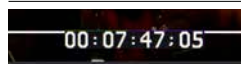
4:3 & 16:9 Display

Colour temperature

6500K

7500K

9300K

Audio monitor & audio level indicator

FRONT VIEW
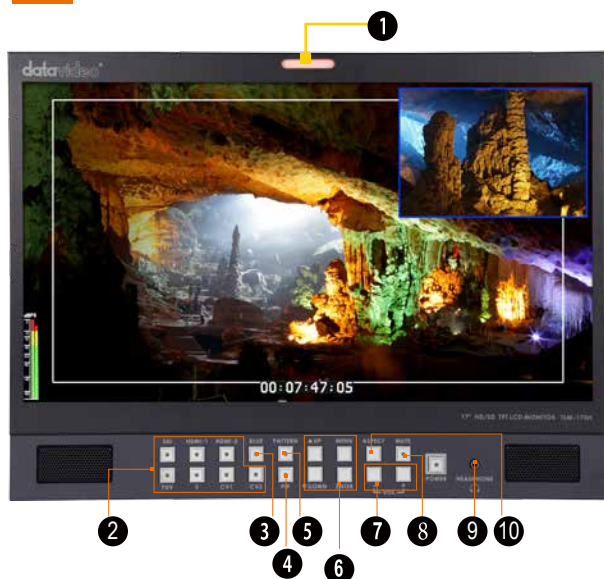
REAR VIEW

1	Bicolour Tally Light	6	Menu Navigation
2	Source Select	7	Volume Control
3	Blue Only	8	Mute
4	PIP	9	Headphone Socket
5	Pattern	10	Aspect Ratio

1	SDI Input / Loop-Through	6	Analogue Audio Inputs
2	3.5mm Tally Light Input Socket	7	Speaker Output Connections
3	Component Video Inputs (YUV)	8	2.1mm In Line (lockable) Power In Socket 12V 16W
4	S-Video Input (Y/C)	9	Power On / Off Switch
5	Composite Video Input 1 & 2	10	Two HDMI Inputs

APPLICATION
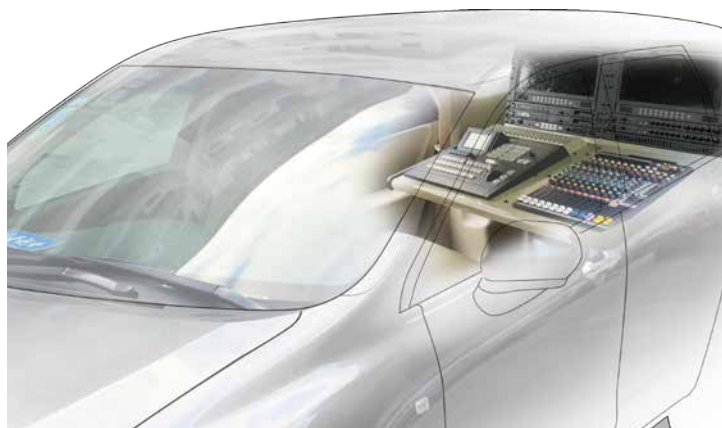
7" X 2 SD TFT LCD MONITOR
TLM-702

FEATURES

- 2 x 7" Panel, 19" 3U rack mountable
- Screen resolution RGB 480X234 pixels
- View Angle (V)+40/-60°, (H)+60/-60°
- 2 x composite inputs for each screen with loop through output
- Brightness, contrast, color, tint adjustable (tint NTSC only)

- NTSC/PAL auto switching
- Display mode adjustable (16:9 & 4:3)
- 12v DC operation (supplied with mains DC converter)

FEATURES

Image Correction

Adjustable, color, contrast, brightness & tint (NTSC only)

19" - 3U Rack Mountable

The TLM-702 is a great choice for use with Datavideo video studios

Tally Indicator

3.5mm jack for tally make the TLM-702 ideal for in studio or in mobile racks

Input selector

Input and aspect selector

Calibration Screws

Fix the screens at a certain angle, perfect for fixed installations

Slim Design

Robust compact and slim design ensure integration into existing installations

29cm

76cm
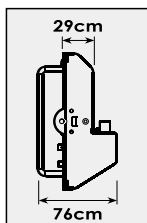
Adjustable View Angle

Tilt 45 degree viewing angle
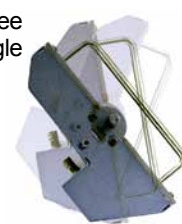
REAR VIEW

TALLY IN   VIDEO 2 IN/OUT   VIDEO 1 IN/OUT   TALLY IN   VIDEO 2 IN/OUT   VIDEO 1 IN/OUT

7" X 2 HD/SD TFT LCD MONITOR
TLM-702HD

FEATURES

- 2 x 7" 16:9 Wide Screen Panels
- Resolution: 800 x 480 Pixels
- View Angle (V)+60/-40°, (H)+60/-60°
- HD/SD-SDI, HD-YPbPr, YUV, CV, HDMI inputs
- Internal colour bars
- Blue only function
- Embedded Audio indicator for SDI & HDMI signals

- Safe Area indicator
- VITC time code display
- Dual colour tally light indicator
- Brightness, Contrast, Colour, Tint Adjustable
- Audio Level indicators
- NTSC / PAL Auto switching
- 4:3 / 16:9 switchable

FEATURES

Safe area indicator 4:3 & 16:9

Support for time code

Audio monitor & audio level indicator

00:09:58:15

Blue only function

Colour temperature, standard plus user defined configuration.

9300K   7500K   6500K   5400K

REAR VIEW

HD/SD-SDI   Y:U:V   CV   HDMI   TALLY   HD/SD-SDI   Y:U:V   CV   HDMI   TALLY   DC 12V 30W
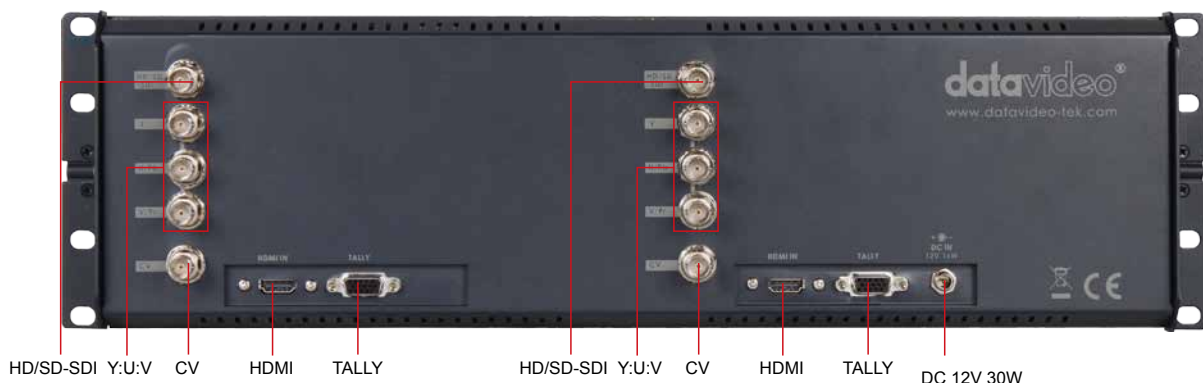
7" SD TFT LCD MONITOR
TLM-700

16:9/4:3

FEATURES

- 7" 16:9 wide screen panel
- Resolution: RGB 480X234 pixels
- View angle (V)+50/-40°, (H)+60/-60°
- 2 x Video input
- Brightness, contrast, color, tint adjustable (Tint NTSC only)
- NTSC/PAL auto switching
- 16:9 / 4:3 switchable
- Carry case Included

REAR VIEW

VIDEO IN-2   VIDEO IN-1

FEATURES

Screw for Ball Head

Standard screw mount for fixture to a tripod or the supplied ball head

Input Source Selector

Two input source selector

TLM-700Carrying Case

TLM-700 is supplied with a stylish bespoke carrying case, easy to carry around with supplied accessories

Sun Shield

Supplied with very useful light weight sun shield

7" HD/SD TFT LCD MONITOR
TLM-700HD
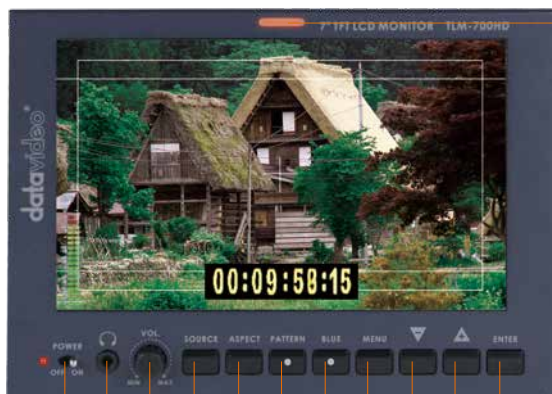
REAR VIEW
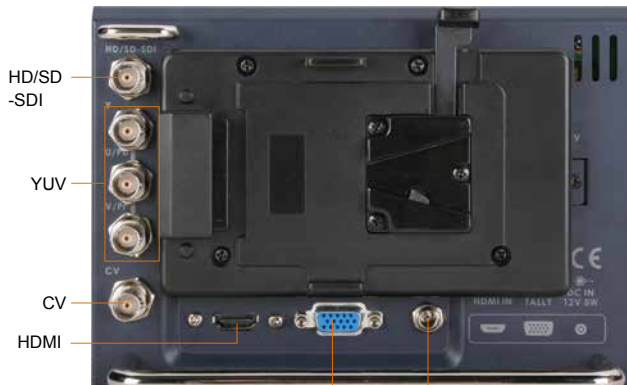
HD/SD-SDI
YUV
CV
HDMI
TALLY
Support for dual colour tally indicator.

DC IN 12V 1.5A

HEAD-PHONE SOURCE COLOUR BAR MENU UP
POWER VOLUME ASPECT RATIO BLUE ONLY DOWN ENTER

FEATURES

- 7" 16:9 Wide Screen Panel
- Resolution: 800X480 Pixels
- View Angle (V)+60/-40°, (H)+60/-60°
- HD/SD-SDI, HD-YPbPr, YUV, CV, HDMI inputs
- Internal colour bar
- Blue only function
- Audio indicator for SDI & HDMI
- Safe area indicator
- VITC time code display
- Dual colour tally light indicator
- Brightness, contrast, color, tint adjustable
- Audio level indicator
- NTSC/PAL Auto switching
- 16:9 / 4:3 switchable

Datavideo TLM-700HD features a standard V-mount enabling you to power the monitor using a universal battery from a range of manufacturers. Perfect for use in the field.

FEATURES

Safe area indicator 4:3 & 16:9   Support for time code

Audio monitor & audio level indicator   Blue only function

Colour temperature, standard plus user defined

9300K   7500K   6500K   5400K
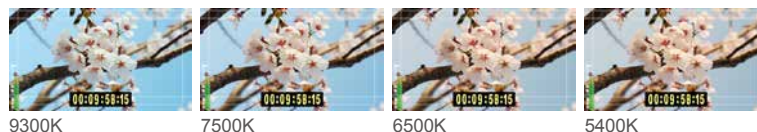
MODEL	DESCRIPTION
TLM-700HD-C	TLM-700H w/ Canon Battery Mount (compatible with Canon BP series DV batteries)
TLM-700HD-A	TLM-700H w/ Anton Bauer Battery Mount(Gold mount plate with a 14.4V D-tap output socket for Gold mount battery applicable)
TLM-700HD-P	TLM-700H w/ Panasonic Battery Mount (compatible with Panasonic CGA series DV batteries.)
TLM-700HD-S1	TLM-700H w/ Sony Battery Mount (S-7000U) (for SONY EX1 / EX3 camcorder's battery /compatible with SONY BP-U60, BP-U30 DV batteries)
TLM-700HD-S2	TLM-700H w/ Sony Battery Mount (S-7000F) (e.g For SONY Z5 camcorder's battery / compatible with SONY NP-F770/970/960/950 DV battery applicable)

TLM-700HD-C

TLM-700HD-A

TLM-700HD-P

TLM-700HD-S1

TLM-700HD-S2

4.3" X 4 HD/SD TFT LCD MONITOR
TLM-434H

Built within a robust steel and aluminium 19-inch rack mountable design, this bank of both HD & SD 4.3-inch (16:9 and 4:3) high quality TFT LCD monitors are perfect for PPU integration.

Each monitor has individual adjustments for contrast, brightness and colour saturation as well an LED tally light indication. Connectivity includes HD-SDI, SD-SDI and HDMI inputs. Embedded audio is supported on both SDI & HDMI, with superimposed on-screen audio and time code indicator.

All SDI inputs include a seamless loop thru, ensuring the monitor is an ideal companion for switches. They are perfect for integrating in system racks, OB Van, studios or many more applications.

FEATURES

Image Control
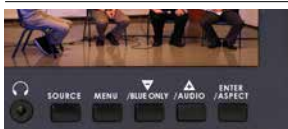
Individual adjustments for contrast, brightness and colour saturation

19-inch Rack Mountable

19-inch steel and aluminium design. Tilt up to 90 degrees

Video Inputs

HD-SDI / SD-SDI & HDMI input. Each SDI input with seamless loop thru

Resolution

RGB 480 x 272 pixel,16:9 & 4:3 PAL/NTSC auto recognition

Time Code Indicator

Audio Peak Meter
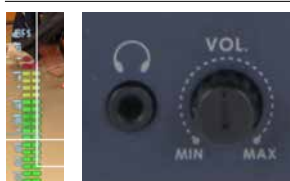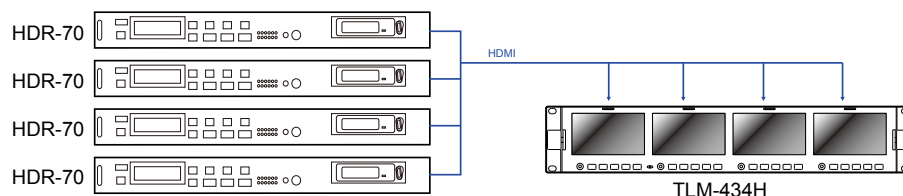
Blue only function

Colour Temperature Adjustment

9300K
7500K
6500K
5400K
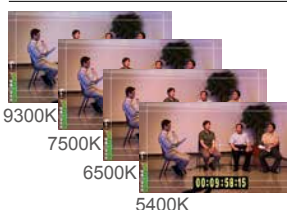
Tally Indication.

15-pin tally connector for easy integration

INTEGRATION

HDR-70
HDR-70
HDR-70
HDR-70

HDMI

TLM-434H

REAR VIEW

4.3" X 3 SD TFT LCD MONITOR
TLM-433

FEATURES

- 3 x 4.3" High quality TFT LCD Monitors
- 4:3 & 16:9 Display mode switching / PAL & NTSC auto switching
- Screen resolution RGB 480 x 272 pixel
- LCD Contrast ratio – 400:1 typical
- Viewing angles –
  Top:40 deg, bottom:70 deg, left & right:70 deg
- 1 Colour LED Tally Light indicator on each monitor

- Individual Adjustments for Contrast, Brightness and Colour Saturation
- Composite Video Connections with 75 ohm self terminating loop through
- 2U 19" Rack Mountable
- 90 Degrees of Tilt
- 12v DC operation (supplied with mains DC converter)
- Switchable safe area overlay

FEATURES

Adjustable View Angle

Tilt 45 degree viewing angle

Locking Pivot Point
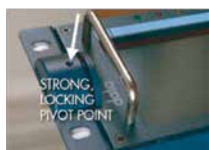
Strong locking pivot point

Image Correction

Adjust-able, colour, contrast, brightness

Power Switch

19"-2U Rack Mountable

Standard 19" 2U rack mountable makes the TLM-433 a great choice for use with Datavideo's mobile video studios, or any installation job
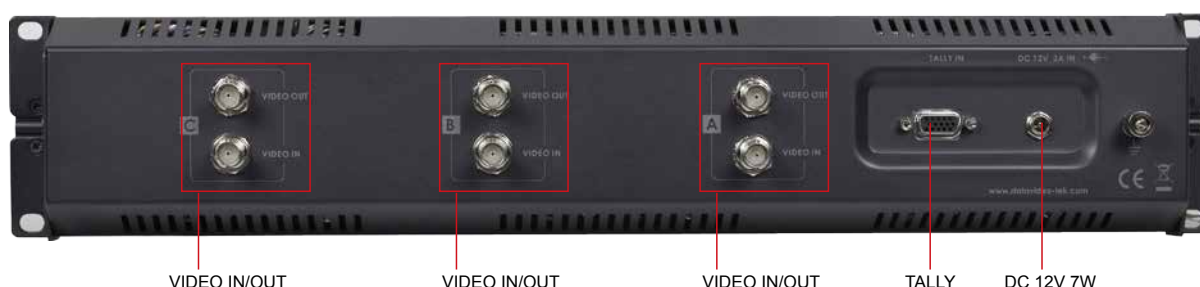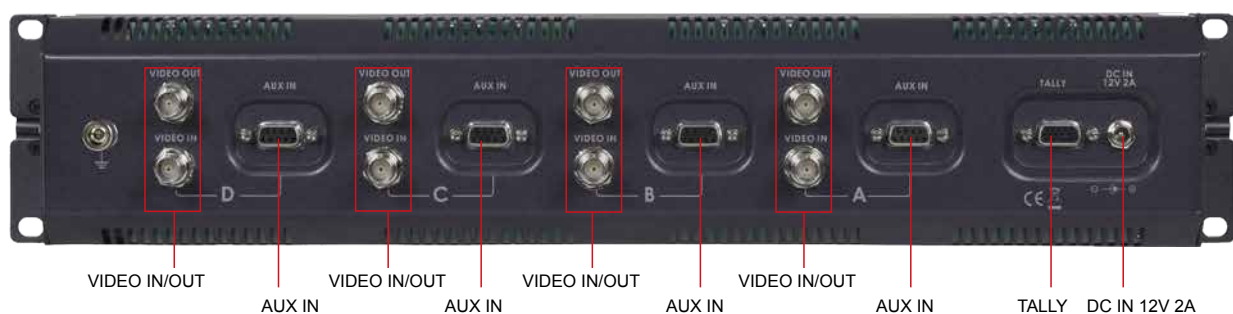
Tally Indicator

Standard 15-pin connector for tally make the TLM-433 ideal for in studio use or as part of Datavideo mobile studio solutions

High Quality Resolution

Screen resolution RGB 480 x 272 pixel

REAR VIEW

VIDEO IN/OUT   VIDEO IN/OUT   VIDEO IN/OUT   TALLY   DC 12V 7W

4" X 4 SD TFT LCD MONITOR
TLM-404H

FEATURES

- Screen Resolution RGB 480 x 240 pixels
- Viewing angles; Top: 10° / Bottom: 30° / Left & Right: 45°
- Contrast ratio – 350:1
- Can be tilted up to 90 degrees.
- PAL / NTSC auto detect
- 2U 19" rack mountable
- Aux input via D-sub 9-Pin

- Composite Video connections with 75 ohm self terminating loop through.
- 3 Colour LED tally lights indicator on each monitor.
- Individual adjustments for Contrast, Brightness and Colour Saturation.
- 12v DC (supplied with mains DC converter).

FEATURES

Power Switch

All these images need to be same size

Adjustable View Angle

Tilt 45 degree viewing angle

Locking Pivot Point

Strong locking pivot point

Image Correction

Each monitor has individual adjustments for contrast, brightness, color and tint (NTSC mode only). Includes 3-color LED tally lights

TLM-404H is an ideal accessory for use with Datavideo's SE-800 or other switchers

REAR VIEW

VIDEO IN/OUT   AUX IN   VIDEO IN/OUT   AUX IN   VIDEO IN/OUT   AUX IN   VIDEO IN/OUT   AUX IN   TALLY   DC IN 12V 2A

4.3" LOOK-BACK MONITOR
TLM-430

TALLY

Datavideo TLM-430 4.3" Look-Back monitor has a large built-in tally lamp and a very light-weight design (less than 210 grams). It enables camera operators to monitor the video program in real-time.

V1   V2   MENU   ADJUST   ENTER

FEATURES

- DC12V/0.5A low power consumption
- Small and light weight, only 210 grams
- 2 x Composite inputs, for return video and camera video
- Big Tally lamp, easily to see the indicator from all angle
- 480*272 high resolution LCD screens with wide view angle
- Compatible with BP-U60,BPU30,NP-F770,970,960,950 batteries
- Integrated CB-26 breakout cable for video interface and remote control
- Powered by DC adaptor, Sony battery or D-TAP

V1   V2   REMOTE (CB-26)   DC 12V 6W

Sony BATTERY MOUNT

TALLY

POWER ON/OFF

LOOK-BACK/RECORDER REMOTE CONTROLLER
RMC-200

REC/PAUSE

POWER INDICATOR

LOOK BACK

ZOOM IN/OUT

RMC-200 is a multi-functional controller to remote control camera, TLM-430 return video & DN-60A CF card recorder, it simplifies the operation for cameraman to focus on shooting

FEATURES

- Design to mount on tripod's handle
- Remote TLM-430 CV1/CV2 inputs
- Sync to tape recording for DN-60A
- Compabitle with Sony,Panasonic and Canon cameras

CONTROL

TO RECORDER
TO MONITOR
TO CAMERA
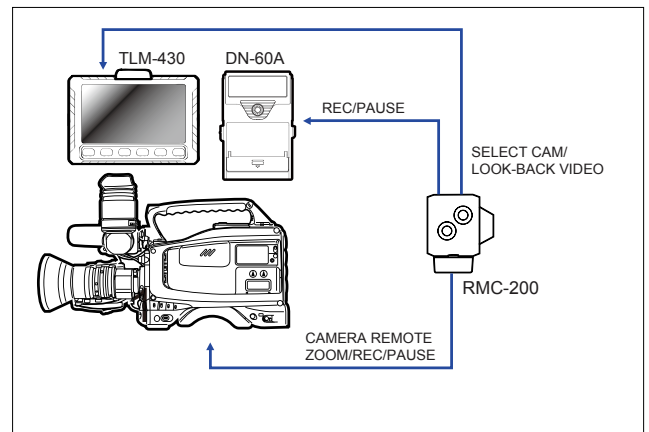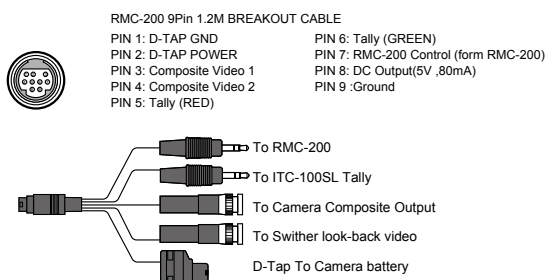
4.3" LOOK-BACK SYSTEM
TLM-43LB
TLM-430+RMC-200

TLM-430

DN-60A

RMC-200

This innovative solution provides excellent communication between director and cameraman, along with tapeless video recording.

Datavideo TLM-43LB camera look-back system is a combination of Datavideo TLM-430 4.3" Look-back LCD monitor, tally and intercom system, RMC-200 camera remote controller and an optional DN-60A CF card recorder for Sony, Panasonic and Canon camcorders.

SETUP DIAGRAM

TLM-430   DN-60A

REC/PAUSE

SELECT CAM/
LOOK-BACK VIDEO

RMC-200

CAMERA REMOTE
ZOOM/REC/PAUSE

ACCESSORIES (OPTIONAL)

CB-26 TLM-430 BREAKOUT CABLE

RMC-200 9Pin 1.2M BREAKOUT CABLE

PIN 1: D-TAP GND   PIN 6: Tally (GREEN)
PIN 2: D-TAP POWER   PIN 7: RMC-200 Control (form RMC-200)
PIN 3: Composite Video 1   PIN 8: DC Output(5V ,80mA)
PIN 4: Composite Video 2   PIN 9 :Ground
PIN 5: Tally (RED)

To RMC-200

To ITC-100SL Tally

To Camera Composite Output

To Swither look-back video

D-Tap To Camera battery

Optional Datavideo DN-60A CF Card DV recorder

BH-07

Camera ball head for DN-60A

LCD COMPARISON TABLE

	TLM-170P	TLM-170H/HM/HR	TLM-702HD	TLM-702	TLM-700HD	TLM-700	TLM-434H	TLM-404H	TLM-434H	TLM-404H	TLM-430
Screen	1 x 17.3"	1 x 17.3" Back-Lit LED	2 x 7" LCD/Back-Lit	2 x 7" TFT LCD	1 x 7" Back-Lit LED	1 x 7" TFT LCD	4 x 4.3" TFT LCD	4 x 4.3" TFT LCD	4 x 4.3" TFT LCD	4 x 4.3" TFT LCD	1 x 4.3" TFT LCD
Chassis	* Tabletop, * Tiltable Screen	* Tabletop (170H), * 1U Rack Pull-Out (HM), * 7U Rack Face-Mount (HR)	LED, 3U Rack Mount	3U Rack Mount	1/4 - 20" Thread Hole Mount	1/4 - 20" Thread Hole Mount	2U Rack Mount	2U Rack Mount	2U Rack Mount	2U Rack Mount	1/4 - 20" Thread Hole Mount
Resolution	1920x1080	1600x900	800x480	480x234	800x480	480x234	480x272	320x234	480x272	320x234	480x272
Video Inputs	2 x HDMI, 2 x 3G/HD/SD-SDI, 1 x Component YUV, 2 x Composite Video	2 x Composite Video, 1 x S-Video, 1 x HD ComponentYUV, 1 x HD/SD-SDI, 2 x HDMI	2 x HD Component 2x HD/SD-SDI, YUV, 2 x HDMI, 2 x Composite Video	4 x Composite Video	1 x Composite Video, 1 x HD/SD-SDI, 1 x HD Component YUV, 1 x HDMI	2 x Composite Video	4 x HD/SD-SDI, 4 x HDMI	4 x Composite Video	4 x HD/SD-SDI, 4 x HDMI	4 x Composite Video	2 x Composite Video
Loop Through	1 x 3G/HD/SD-SDI, 2 x Composite Video	1 x HD/SD-SDI	N/A	4 x Composite Video	N/A	N/A	4 x HD/SD-SDI	4 x Composite Video	4 x HD/SD-SDI	4 x Composite Video	N/A
Supported Input Resolutions	1080p (23.98/24/25/30/50/59.95/60Hz), 1080i (50/59.94/60Hz), 1280x720p (50/59.94/60 Hz), 720x480i (NTSC), 720x576i (PAL),	1920x1080i (50/60Hz), 1280x720p (50/60 Hz), 720x480i (NTSC), 720x576i (PAL),	1920x1080i (50/60Hz), 1280x720p (50/60 Hz), 720x480i (NTSC), 720x576i (PAL),	720x480i (NTSC), 720x576i (PAL)	1920x1080i (50/60Hz), 1280x720p (50/60 Hz), 720x480i (NTSC), 720x576i (PAL),	720x480i (NTSC), 720x576i (PAL)	1920x1080i (50/60Hz), 1280x720p (50/60 Hz), 720x480i (NTSC), 720x576i (PAL),	720x480i (NTSC), 720x576i (PAL)	1920x1080i (50/60Hz), 1280x720p (50/60 Hz), 720x480i (NTSC), 720x576i (PAL),	720x480i (NTSC), 720x576i (PAL)	720x480i (NTSC), 720x576i (PAL)
Aspect Ratio	16:9, 4;3	16:10, 16:9, 4:3	16:9, 15:9, 4:3	16:9, 4:3	16:9, 15:9, 4:3	16:9, 4:3	16:9, 4:3	4:3	16:9, 4:3	4:3	16:9, 4:3
NTSC/PAL	Auto-Detect	Auto-Detect	Auto-Detect	Auto-Detect	Auto-Detect	Auto-Detect	Auto-Detect	Auto-Detect	Auto-Detect	Auto-Detect	Auto-Detect
Tally	Live (Red) / Cued (Amber)	Live (Red) / Cued (Amber)	Live (Red) / Cued (Amber)	Live (Red) / Cued (Amber)	Live (Red) / Cued (Amber)	N/A	Live (Red) / Cued (Amber)	Three-Color Indicator (green/red/yellow)	Live (Red) / Cued (Amber)	Three-Color Indicator (green/red/yellow)	Big Tally Light
Audio	* Plays Embedded Audio in 3G/HD/SD-SDI and HDMI * 4 x Mono RCA Inputs * Stereo Speakers	* Plays Embedded Audio in HD/SD-SDI and HDMI * 4 x Mono RCA Inputs * Stereo Speakers	* Audio Presence Indicator * Audio Level Meter * 2 x Stereo Headphone Mini Jack	N/A	* Audio Presence Indicator * Audio Level Meter * Stereo Headphone Mini Jack	N/A	* 4 x Stereo Head-phone Mini Jacks * Embedded Audio Peak Meter	N/A	* 4 x Stereo Head-phone Mini Jacks * Embedded Audio Peak Meter	N/A	N/A
Special Features	* 3G-SDI Support * Picture-in-Picture * Blue Only * Audio Level Indicator * Safe Frame	* Available in Tabletop (H), 1U Pull-Out (HM), or 7U Face-Mounted (HR) Models * Picture-in-Picture * Blue Only * Audio Level Indicator	* Blue Only * Safe Frame * VITC Time Code Display	* Dual Screens * Dual Inputs and Dual Loop-Throughs per Screen	* Audio Presence Indicator * Safe Frame * VITC Time Code Display *Can Use Batteries (Not Included) as Power Source	* Carrying Case Included * Sunshade Included	* Blue Only * Embedded Time Code Indicator * Safe Frame		* Blue Only * Embedded Time Code Indicator * Safe Frame		* Can powered by DC adaptor, Sony batteries or D-TAP. *TLM-43LB Camera look back system (with RMC-200 and control cable)
Consumption	DC 12V, 30 watts	DC 12V, 15 watts	DC 12V, 30 watts	DC 12V, 12 watts	DC 12V, 18 watts	DC 12V, 6 watts	DC 12V, 15 watts	DC 12V, 15 watts	DC 12V, 15 watts	DC 12V, 6 watts	DC 12V, 6 watts

ANALOGUE TO SDI CONVERTER
DAC-7

The Datavideo DAC-7 is designed to convert analogue video and audio to SD-SDI, and

allow transmissions of high quality video over distances of up to 200 meter. Designed for connecting to professional SDI equipment, such as Datavideo's mobile video studios, standalone SDI switchers or recorders.

DAC-7 rugged metal housing, is designed to be mounted between the camcorder and tripod.

Compatible with both NTSC & PAL. Embedded audio with SDI signal output. DC 12V operation

FRONT VIEW

SDI OUT   YUV IN   S-VIDEO IN   AUDIO IN

REAR VIEW

DC IN   POWER   BALANCE   MODE   RS-232
12V 0.5A   SWITCH   AUDIO IN   SELECT

Tripod Mount Housing

FEATURES

■ Video input:

    1 X CVBS, BNC connector 75 Ohms

    1 X S-Video

    1 X YUV (3 x BNC connectors, 75 Ohms)

■ Audio input:

    2 x Balance stereo audio, XLR connector

    2 x Unbalanced stereo audio, RCA jack

■ Output: 2x SD-SDI embedded audio (BNC, 75 Ohms)

■ Power consumption: DC 12V, 2.4 watts

SETUP DIAGRAM

AUDIO   CV,S-VIDEO
           or YUV INPUT

SDI EMBEDDED
AUDIO SIGNAL

DAC-7

DIGITAL VIDEO SWITCHER
SE-900
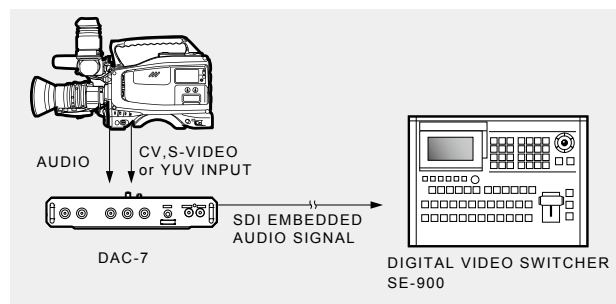
ANALOGUE TO SDI CONVERTER
DAC-7L

The DAC-7L is a high quality analogue to digital convertor. It features composite video, S-video and component inputs, along with stereo audio, XLR and RCA connectors. It has 2 SDI outputs with embedded audio.

Datavideo provides 19" rack solutions for mounting multiple DAC-7L units. These can be powered by a single DC power distribution unit Datavideo.

FRONT VIEW

SDI OUT   YUV IN   S-VIDEO IN   AUDIO IN

REAR VIEW

DC IN   POWER   BALANCE   MODE   RS-232
12V 0.5A   SWITCH   AUDIO IN   SELECT

FEATURES

■ Selectable YUV, CV or Y/C three input Analog formats on each channel
■ Selectable Balanced (XLR) / Unbalanced Stereo (RCA) Audio input
■ Dual SDI Video outputs with embedded Audio on every channel
■ Rack mountable of two units DAC-7L (2-Channel) on 1RU space
■ Scalable configuration from 1/2/4/8/16/32/64… channels to unlimited expansion
■ Integrated with Datavideo PD-2 400 watts professional Studio Power Sequencer
■ DAC-7L is designed with very low power consumption of 2.4Watts only, one unit of Datavdeo PD-2 can supplis power for more than 100 units DAC-7L

STUDIO APPLICATION

SDI TO HDMI CONVERTER
DAC-8P (3G HD Supported)

The DAC-8P is small and intelligent 3G-SDI converter for converting HD & SD- SDI to HDMI.

Datavideo's DAC-8P converts from both HD-SDI and SD-SDI to HDMI enabling user to utilize affordable LCD TV as well as video projectors for broadcast video monitoring.

With DAC-8P it is now easy to connect HDMI displays to SDI based equipment. Simply run a low cost SDI cable from your equipment to the projector or television screen and let Datavideo DAC-8P convert the signal into the widely used HDMI connector. It even passes the audio through.

In combination with Datavideo DAC-9P,

HDMI to HD/SD –SDI converter, system installers now have a perfect and very affordable solution for distributing HDMI over long distances without compromising on quality.

FRONT VIEW

HD/SD-SDI INPUT   AUDIO SOURCE SELECT   ANALOG AUDIO INPUT

REAR VIEW

DC IN 12V 4W   POWER SWITCHER   HDMI OUT

SETUP DIAGRAM

DIGITAL VIDEO SWITCHER   SE-2000

AUDIO
HD-SDI

DAC-8P

HD-SDI TO HDMI CONVERTER

HDMI   HD Projector
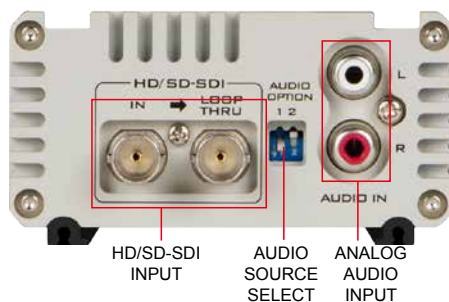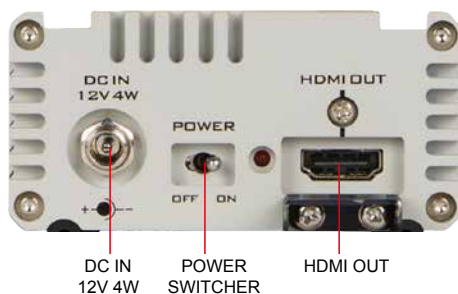
FEATURES

■ 3G,HD and SD-SDI(auto-selected)
- 1xBNC: SDI Input
- 1xBNC: SDI Loop thru.
- 1xHDMI: HDMI Output
■ Audio input
- SDI Audio Embedded or Analog Audio input
- 24-bit/48KHz sample rate
- 2-channels
■ Video input & Pass through
- 3G-SDI/HD-SDI/SD-SDI, 10 bits colour depth
- YUV 4:2:2
■ Video Format
- 1080P@59.94, 1080P@60, 1080P@50, 1080P@29.97, 1080P@25,
- 1080P@30, 1080P@23.98, 1080P@24,
- 1080i@59.94,1080i@60, 1080i@50,
- 720P@59.94, 720P@60, 720P@50,
- 525i / 625i
■ Power Consumption: DC12V, 3.6 watts

HDMI TO SDI CONVERTER
DAC-9P (3G HD Supported)

Many new High Definition camcorders and devices provide HDMI as the only High Definition output option. Datavideo's DAC-9P allows users to connect HDMI devices to professional SDI equipment, like video switchers or recorders up to 200m away.

HDMI is unsuitable for long cable runs, but using a Datavideo DAC-9P, users can convert HDMI to HD & SD-SDI and take advantage of high quality and affordable SDI cabling.

The DAC-9P even embeds the audio from HDMI into the SDI signal so only one SDI cable is needed.

FRONT VIEW

HD/SD-SDI
OUT

REAR VIEW

DC IN
12V 5W

POWER
SWITCH

HDMI IN
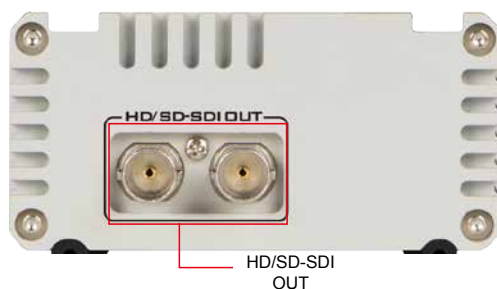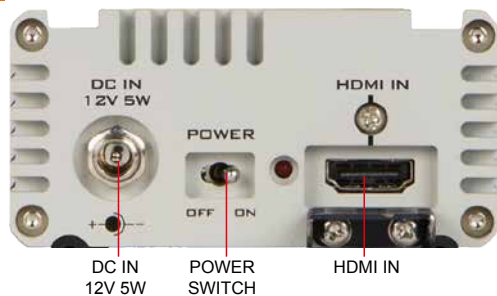
Tripod Mount Housing
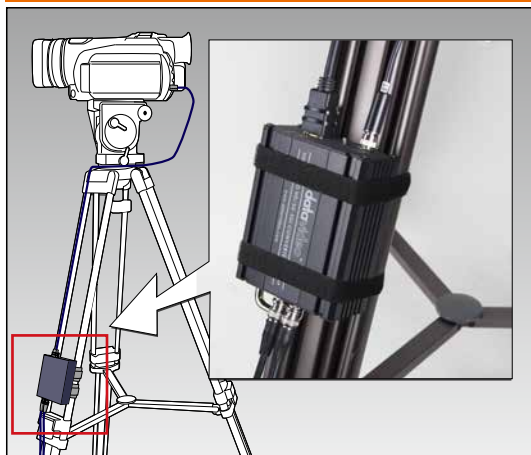
SPECIFICATIONS

■ Video input: 1 X HDMI
■ Output: 2 x SDI (HD / SD SDI)
■ Enables long cable runs
■ Rugged case design
■ Audio can be embedded in SDI output signal
■ PAL / NTSC compatible
■ Tripod mount via velcro straps (supplied)
■ DC 12V operation
■ Video format
・ 1080P@59.94, 1080P@60, 1080P@50, 1080P@29.97, 1080P@25, 1080P@30, 1080P@23.98, 1080P@24,
・ 1080i@59.94,1080i@60, 1080i@50,
・ 720P@59.94, 720P@60, 720P@50,
・ 525i
・ 625i
■ Power consumption: DC12V, 3.6 watts

SETUP DIAGRAM

HDMI INPUT

DAC-9P

HD/SD-SDI
EMBEDDED
AUDIO SIGNAL

DIGITAL VIDEO SWITCHER
SE-2000/2800/3000
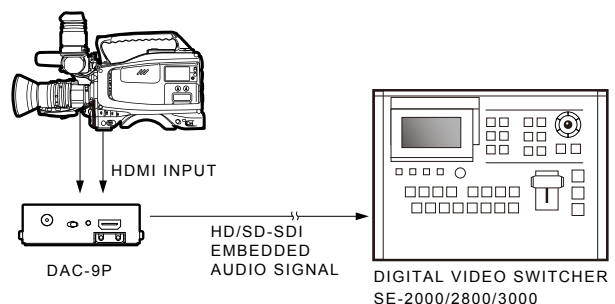
SDI TO ANALOGUE CROSS CONVERTER
DAC-50

A brilliant compact converter that allows users of High Definition and Standard Definition SDI to convert and connect Component-Y:U:V based equipment together.
Perfect for connecting high quality professional video devices over long distances to low cost monitoring solutions like projectors, plasma and LCD screens.

MODE SELECT(DIP-SWITCH 6P) for HD/SD-YUV or SD-CVBS Output				
D1	ON , SD mode		OFF , HD mode	
	ON	OFF	ON	OFF
D2	50Hz	59.94Hz	50Hz	59.94Hz
D3	0 IRE	7.5 IRE (Only NTSC)	1080i	720p
D4	16:9	4:3	16:9	4:3
D5	CVBS	YUV	YUV	YUV
D6	ON, ASPECT RATIO CAN'T BE SELECTED via D4.		OFF, ASPECT RATIO CAN BE SELECTED via D4.	

FRONT VIEW

HD/SD-SDI IN   MODE SELECT

REAR VIEW

Y or CV   U/Pb   V/Pr   DC IN 12V 1.5A

SYSTEM DIAGRAM

SDI IN   datavideo   CV / YUV OUT
           HDMI TO HD/SD-SDI CONVERTER
           DAC-50

SD SWITCHER SE-800

HD PROJECTOR

FEATURES

■ DC 12V input
■ Convert HD & SD Signals to Composite and Y:U:V
■ HD/SD-SDI Input resolutions includes:
˙720x480 Interlace (NTSC)
˙720x576 Interlace (P AL)
˙1280x720 / 59.94Hz Progressive
˙1280x720 / 50Hz Progressive
˙1920x1080 / 59.94Hz Interlace
˙1920x1080 / 50Hz Interlace
■ HD/SD YUV Output resolutions includes:
˙720x480 Interlace (NTSC)
˙720x576 Interlace (P AL)
˙1280x720 / 59.94Hz Progressive
˙1280x720 / 50Hz Progressive
˙1920x1080 / 59.94Hz Interlace
˙1920x1080 / 50Hz Interlace
■ Power consumption: DC12V, 6.0watts

SDI TO VGA CONVERTER
DAC-60

Datavideo DAC-60 is a convenient, flexible and economical way of converting 3G/HD/SD-SDI video so it can be displayed or projected by 60Hz VGA equipment.

One out of six standard computer output resolutions can be chosen by using the MODE button. it able to give user the best results out of the chosen monitor or projector.

FEATURES

- Convert HD/SD-SDI signal to VGA to connect to regular projector or LCD monitor
- Video input: 3G/HD/SD-SDI and Loop-through
- Auto-detect Video input formats:
  - 3G HD-SDI: 1920 x 1080 50P/59.94P/60P
  - HD-SDI: 1920 x 1080 24P/25P/30P
  - HD-SDI: 1920 x 1080 50i/59.94i/60i
  - HD-SDI: 1280 x 720 50P/59.94P/60P
  - SD-SDI: 720x576 50i or 720x480 60i
- Output: VGA (D-sub 15-pin)
- USB inteface for firmware upgrade

- Supports VGA output Resolutions:
  - 800 x 600, 60Hz
  - 1024 x 768, 60Hz
  - 1280 x 1024, 60Hz
  - 1366 x 768, 60Hz
  - 1400 x1050, 60Hz
  - 1600 x1200, 60Hz
- Rugged metal casing
- DC12V, 3watts
- Dimensions & Weight:
  - Width: 64.5mm   - Height: 41.6mm
  - Depth: 127mm   - Weight: 0.36Kgs

FRONT VIEW

VGA OUT   VGA RESOLUTION   MODE
                 INDICATORS

SETUP DIAGRAM

REAR VIEW

HD/SD-SDI IN   HD/SD-SDI OUT   DC IN 12V3.6W
                        POWER   USB
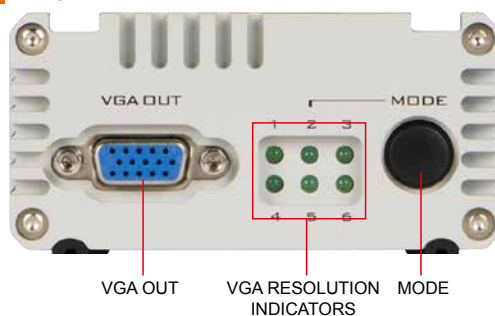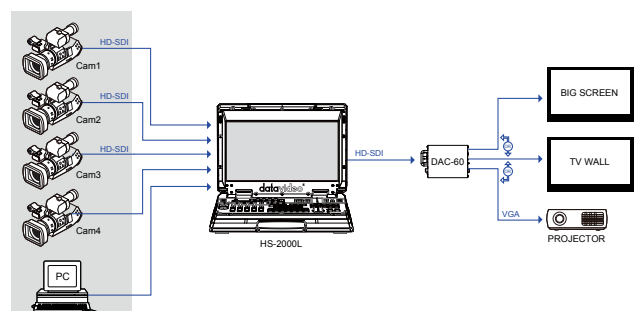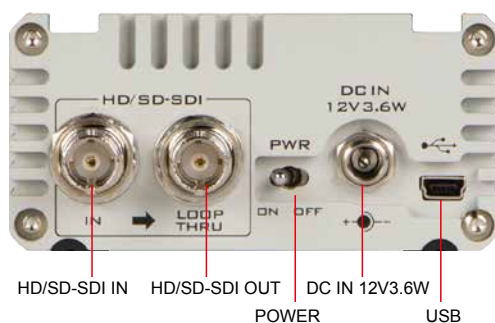
UP/DOWN CROSS CONVERTER
DAC-70

Datavideo DAC-70 up/down/cross converter is designed to convert video signals from VGA, HDMI, SDI with Audio input to 3G/HD/SD SDI ouptuts.

Perfect for connecting a VGA/HDMI output from computer to SDI devices over long distance SDI cable. Solutons like lecture theater, church, auditorium room and conference hall.

FEATURES

- 3G/HD/SD Up/Down/Cross convert
  - A/HDMI/SDI input
  - 3G/HD/SD SDI and HDMI output
  - Datavideo RMK-2 2RU Rack solution
  - DC 12V, 3.6 watts
- Video Input formats

  SD-SDI:

  525i, 625i

  3G-SDI:

  1080p60/50, 1080p59.94

  HD-SDI:

  1080i60/50, 1080p30/25/24, 1080p29.97, 1080p23.98, 1080i59.94, 720p60/50,   720p59.94

  HDMI:

  (YUV/RGB): 1080p60/50, 1080p59.94, 1080p30/25/24,   1080p29.97, 1080p23.98, 1080i60/50, 1080i59.94, 720p59.94, 720p60/50, 576p, 480p, VGA, 1600x1200@60Hz, 1400x1050@60Hz, 1366x768@60Hz, 1280x1024@60Hz, 1024x768@60Hz, 800x600@60Hz

- Video Output formats

  SDI / HDMI (YUV: 4:2:2)

  1080p60/50, 1080p59.94 1080p23.98/29.97/24/25/30, 1080i60/50, 1080i59.94, 720P60/50, 720P59.94, 525i, 625i

- Supported Audio formats

  SDI embedded Audio: Up to 8-CH, PCM 48KHz

  HDMI embedded Audio: up to 8-CH, PCM 96KHz

  Stereo audio input: 2-CH, PCM 48KHz

* USB interface for firmware upgrade

FRONT VIEW

VGA INPUT   HDMI INPUT   SDI INPUT AND   STEREO
                            LOOP THRU   AUDIO INPUT

REAR VIEW

MODE   HDMI OUT   SDI OUTPUT   USB SOURCE
SELECT   INDICATOR
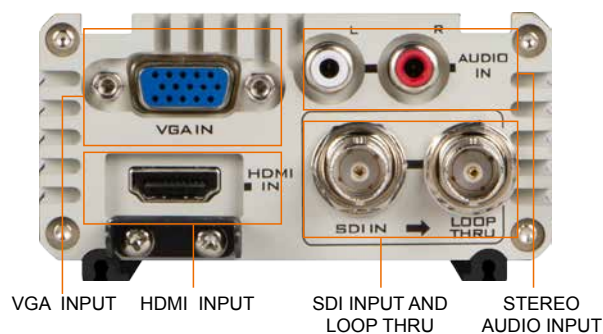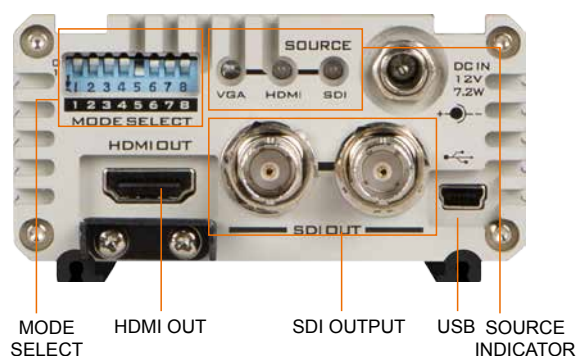
INPUT FORMATS			OUTPUT FORMATS	
3G-SDI/ HDMI	1080p 60 / 50	800x600@60Hz	3G-SDI/ HDMI	1080p 60 / 50
	1080p 59.94	1024x768@60Hz		1080p 59.94
HD-SDI/ HDMI	1080p 30 / 25 / 24	1280x1024@60Hz	HD-SDI/ HDMI	1080p 30 / 25 / 24
	1080p 29.97	VGA/ HDMI 1366x768@60Hz		1080p 29.97
	1080p23.98	1400x1050@60Hz		1080p23.98
	1080i 60 / 50	1600x1200@60Hz		1080i 60 / 50
	1080i 59.94			1080i 59.94
	720p 60 / 50			720p 60 / 50
	720p 59.94			720p 59.94
SD-SDI/ HDMI	NTSC(525i)		SD-SDI/ HDMI	NTSC(525i)
	PAL(625i)			PAL(625i)

Cross convert

SPECIFICATIONS

	DAC-7/7L (SD ANALOGUE to SDI)	DAC-8P (HD/SD-SDI to HDMI)	DAC-9P (HDMI to HD/SD-SDI)	DAC-50 (HD/SD-SDI to YUV)	DAC-60 (HD/SD-SDI to VGA)	DAC-70 (VGA/HDMI to SDI CROSS-CONVERTER)
Video Inputs	1-CH CV or YUV, 1-CH S-Video	1-CH 3G/HD/SD-SDI	1-CH HDMI	1-CH HD/SD-SDI	1-CH 3G/HD/SD-SDI	1-CH VGA, 1-CH HDMI, 1-CH HD/SD-SDI
Loop-Through	N/A	Yes	N/A	N/A	Yes	Yes
Video Outputs	2-CH SD-SDI with embedded Audio	1-CH HDMI embedded Audio	2-CH 3G/HD/SD-SDI	1-CH HD/SD-YUV or Composite Video	1-CH VGA	2-CH HD/SD-SDI & 1-CH HDMI
Audio Inputs	2 x RCA (Stereo Pair), 2 x XLR (Stereo Pair)	2 x RCA (Stereo Pair)	N/A	N/A	N/A	1 x RCA (Stereo Pair)
Audio Outputs	N/A	N/A	N/A	N/A	N/A	N/A
Audio Embedding	XLR or RCA Audio input Embedded into SD-SDI Signal	SDI Audio or RCA Audio input Embedded into HDMI Signal	HDMI Audio Embedded into HD/SD-SDI Signal	N/A	N/A	RCA Audio input Embedded into HDMI and HD/SD-SDI Signals
Audio De-Embedding	N/A	N/A	N/A	N/A	N/A	N/A
Supported Video Input Formats	720x480i (NTSC), 720x576i (PAL)	720x480i (NTSC), 720x576i (PAL), 1280x720p (50/59.94/60Hz), 1920x1080i (50/59.94/60Hz), 1920x1080p (23.98/24/25/29.97/30/50/59.94/60Hz)	720x480i (NTSC), 720x576i (PAL), 1280x720p (50/59.94/60Hz), 1920x1080i (50/59.94/60Hz), 1920x1080p (23.98/24/25/29.97/30/50/59.94/60Hz)	720x480i; 720x576i, 1920x1080i (50/59.94Hz), 1280x720p (50/59.94Hz)	720x480i; 720x576i, 1280x720p (50/59.94/60Hz), 1920x1080i (50/59.94/60Hz), 1920x1080p (24/25/30/50/59.94/60Hz)	800x600 (60Hz), 1024x768 (60Hz), 1280x1024 (60Hz), 1366x768 (60Hz), 1400x1050 (60Hz), 1600x1200 (60Hz), 525i, 625i, 1280x720p (50/59.94/60Hz), 1920x1080i (50/59.94/60Hz), 1920x1080p (23.98/24/25/29.97/30/50/59.94/60Hz)
Output Resolutions	Automatically matches the NTSC, PAL video input.	Automatically matches the SD, HD and 3G SDI video input.	Automatically matches the SD, HD and 3G HDMI video input.	"Selectable: 720x480i; 720x576i, 1920x1080i (50/59.94Hz), 1280x720p (50/59.94Hz)"	Selectable: 800x600 (60Hz), 1024x768 (60Hz), 1280x1024 (60Hz), 1366x768 (60Hz), 1400x1050 (60Hz), 1600x1200 (60Hz)	Selectable: 720x480i, 720x576i, 1280x720p (50/59.94/60Hz), 1920x1080i (50/59.94/60Hz), 1920x1080p (50/59.94/60Hz)
Power Consumption	DC 12V, 2.4 watts	DC 12V, 3.6 watts	DC 12V, 3.6 watts	DC 12V, 6.0 watts	DC 12V, 3.0 watts	DC 12V, 3.6 Watts

1U RACKMOUNT KIT
RMK-1

RMK-1 is a 1RU rack solution design for mounting Datavideo AD-100, VS-150, DAC-90 and other 1RU half rack size product. It can accommodate one or two half-size units

2U RACKMOUNT KIT
RMK-2

RMK-2 is a 2RU rack mount kit designed for ranges of Datavideo converters, such as Datavideo DAC-8P, DAC-9P, DAC-60, DAC-70 and more.

One RMK-2 can hold up to 8 converters. An 8-port DC jack distributor powers each unit centrally.

FRONT VIEW

DC JACK DISTRIBUTOR

REAR VIEW

DC JACK DISTRIBUTOR

DC 12V input

One DC 12V input distributes to 8 outputs
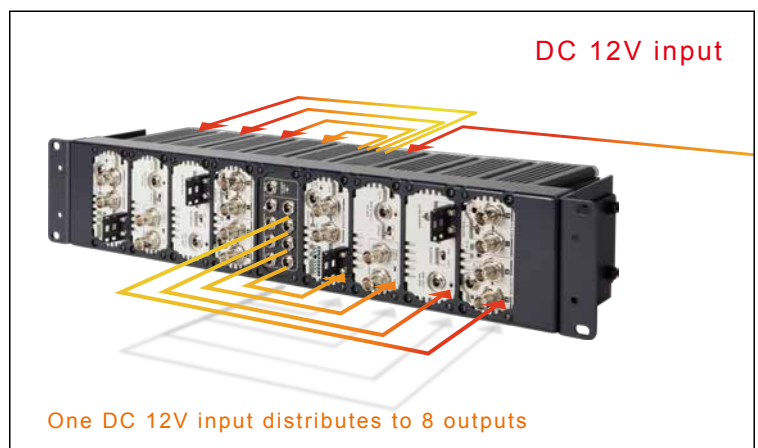
HD/SD-SDI PTZ CAMERA
PTC-100

PTC-100 is an affordable, integrated PTZ camera. It is ideal for many applications such as HD video conferencing and distance learning, houses of worship and live corporate production.

PTC-100 can be located in remote locations and can be operated by a new remote camera controller RMC-180. For maximum flexibility, the camera is controllable via RS-422 serial control.

PTC-100 combines outstanding image quality, super smooth pan/tilt/zoom operation and easy integration for superior HD and SD production and communications.

The camera has a full HD 1/3" CMOS sensor (effective resolution 1920 x1080), producing realistic video in a wide range of lighting conditions and environments. PTC-100 supports 1080/30p, 1080/59.94i, 1080/50i, 720/59.94p, 720/50p, 480/59.94i and 576/50i.

PTC-100 incorporates a high-quality 20x optical zoom lens, plus a 10x digital zoom. Digital Noise Reduction Function (DNR) and Digital Slow Shutter (DSS) improves sensor sensitivity and produces clear images in low light conditions.

FEATURES

- Integrated pan/tilt/zoom mechanism
- High sensitivity to support the low lux environment
- Full HD 1/3"CMOS system (1920 x 1080 resolution)
- Video format: 1080/59.94i, 1080/50i, 720/59.94p, 720/50p, 480/59.94i, 576/50i
- 20x high-quality HD optical lens
- 10x digital zoom
- Gamma Wide Dynamic Range (ATR-EX) function shows image details with perfect contrast under lighting condition of different luminance levels. Newly added environment dynamic detection switch
- Digital Noise Reduction Function (DNR)
- Multi-language of OSD (English, Simple Chinese and Traditional Chinese)
- Interface: HD-SDI+HDMI+CVBS+RJ45(RS422) + IR switch + PTZ ID Setting
- Electronic shutter (1/2 to 1/10,000 s, 21 steps)
- Digital Slow Shutter (DSS)
- Ceiling mount bracket
- Dual side tally indicator
- Power consumption 26W
- Dimension W174*D186*H219mm
- Weight 2.2Kg (w/o bracket)

REAR VIEW

IRID   RS-422   HD-SDI OUT   CVBS OUT   HDMI OUT   DC 12V
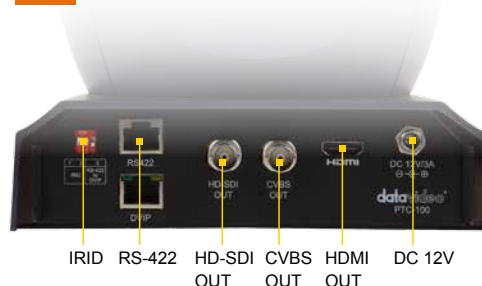
ACCESSORIES

Remote controller

Ceiling bracket

PTZ CAMERA CONTROL UNIT
RMC-180

Datavideo PTC-100

Cam1
Cam2
Cam3
Cam4

Datavideo RMC-180 is designed for the PTC-100 PTZ camera. The RMC-180 can control up to four PTC-100s thru standard Cat-5 or Cat-6 network cable up to 1000m. It controls Pan, Tilt, Zoom as well as Iris, Focus, Gain, and other functions.

Easy integration with Datavideo SE-2000R & HS-2000 HD switchers for an affordable turnkey HD multi-camera solution.

APPLICATIONS

Conferences

Education

Worship

Small or automated video studio

FEATURES

- Connects up to four of Datavideo PTC-100 Pan,Tilt & Zoom cameras
- Pan,Tilt & Zoom with speed control
- Control of Pan, Tilt, Zoom as well as Iris, Focus , Gain, and other functions
- Four preset positions for each camera
- Full remote control of each camera via affordable network cabling, up to 1000m
- Compatible with Datavideo's switcher tally indicators
- Compact design for easy installation

SETUP DIAGRAM

PTC-100 PTZ CAMERA 1 — HD-SDI
PTC-100 PTZ CAMERA 2 — HD-SDI
PTC-100 PTZ CAMERA 3 — HD-SDI
PTC-100 PTZ CAMERA 4 — HD-SDI or DVI (OPTION)
PC
PC — DVI

RS-422 (×4)

PTZ CAMERA CONTROL UNIT RMC-180

Full HD DIGITAL VIDEO SWITCHER SE-2000R

MULT-IMAGE PREVIEW — TLM-170H
PROGRAM — TLM-170H

HD-SDI TO YUV DOWN SCALE CONVERTER DAC-50 — YUV OR CV OUT

RECORDER DN-600 — YUV / AUDIO
NETWORK VIDEO SERVER — CV / AUDIO — TCP/IP — ETHERNET ×10
TV — YUV / AUDIO

EXT.MIC — 1 2 3 4 XLR
AUDIO MIXER — AUDIO
AUDIO DELAY BOX AD-100 — AUDIO

HD RECORDER HDR-60 — HD-SDI / AUDIO
REMOVABLE HDD ENCLOSURE WITH USB INTERFACE — USB — NLE

PANEL

COVER PANEL

LCD PANEL
Info & settings display

MENU
SPEED

MODE

WHITE BALANCE
Independent adjustment white balance for each camera

JOYSTICK:
Pan, tilt, zoom via joystick

FOCUS
Focus adjustment for each camera

STORE
User store for preset of Pan, Tilt & Zoom for each camera

CH SELECT

IRIS
Iris adjustment for each camera

KEYS
User preset of Pan, Tilt & Zoom for each camera

REAR PANEL

USB   RS-422 X 4 TO PTZ CAMERA   TALLY   POWER

SPECIFICATIONS

- Pan Tilt Zoom control via joystick
- Variable speed control
- 4 memory settings of each camera
- Calibration of iris, focus, RB balance, NR and more
- Compatible with Datavideo's switcher tally indicators
- Remote control of each camera via network cabling, over long distances
- Power Input: DC 12V 0.5 A

MULTI-CAMERA CONTROL UNIT
MCU-100

MCU-100 is a multiple camera controller for compatible Panasonic P2 camcorders, via a Datavideo cable adapter. The stand-alone control unit can connect up-to 4 camcorders via Ethernet cable. Users can remotely control the image and recording settings of cameras up-to 1000 meters away thru inexpensive CAT-5 or CAT-6 cable.

MCU-100 is a compact, handheld design, suitable for studios and field use.

CAMERA SELECTION

RECODER CONTROL

MEMORY STORE

SAVE MENU

SHUTTER SELECTION

WHITE/BLACK BALANCE

GAIN

CAM

USB FOR F/W UPDATE

CHECK

LED DISPLAY

IRIS ADJUSTMENT

FEATURES

- Control up to four camcorders
- Small, compact and light weight
- Wide range of control functions include:
  - Gain Up/Down
  - Output Cam/Bar Selection (linked to Auto Knee)
  - White Balance A/B/Preset, AWB/ABB Execution
  - Shutter SS/Fix/Off Selection and Speed Setting
  - Iris Auto/Manual Selection and Adjustment
  - Master Pedestal, Painting
  - Camera Menu Operation, Recorder Operation (Rec/Play/FF/Rew/Rec Check)
  - User Buttons (3), Character On/Off)
- Memory function for camcorder settings
- USB interface for firmware update
- Remote control distance up to 1000m
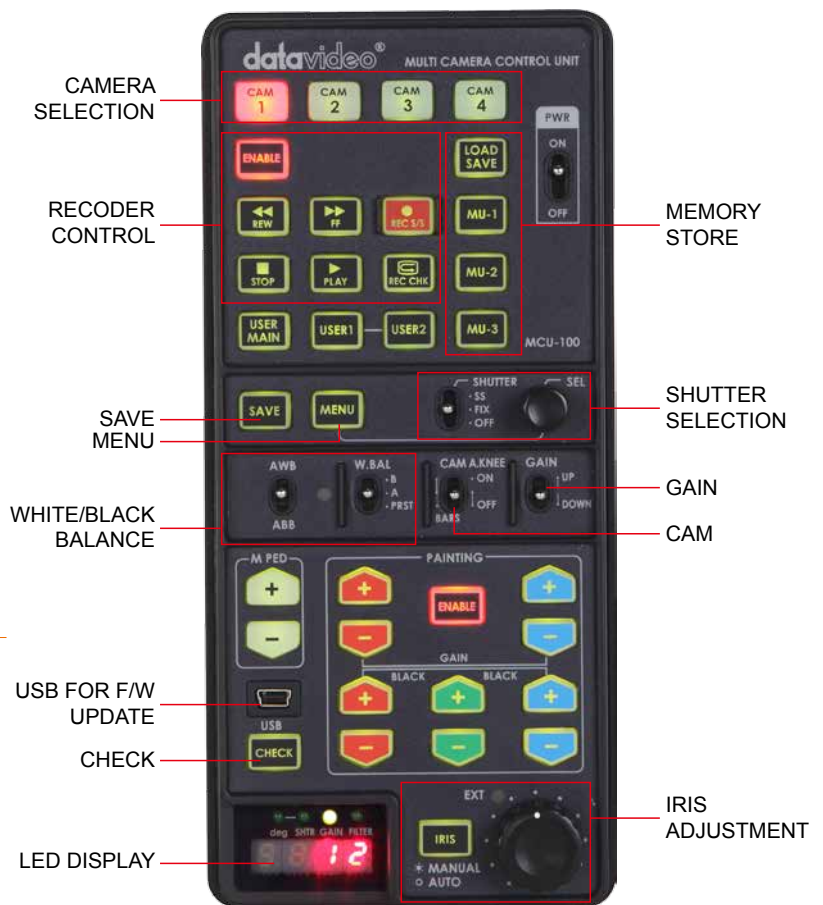
- Bundled with four remote control cable adapters
- Support Panasonic camcorders:
  - AG-HPX300 / 301 / 302 /304
  - AG-HPX255
  - AG-HPX600

SETUP DIAGRAM

TOP VIEW

REMOTE CONTROL ETHERNET INTERFACE   12V DC INPUT
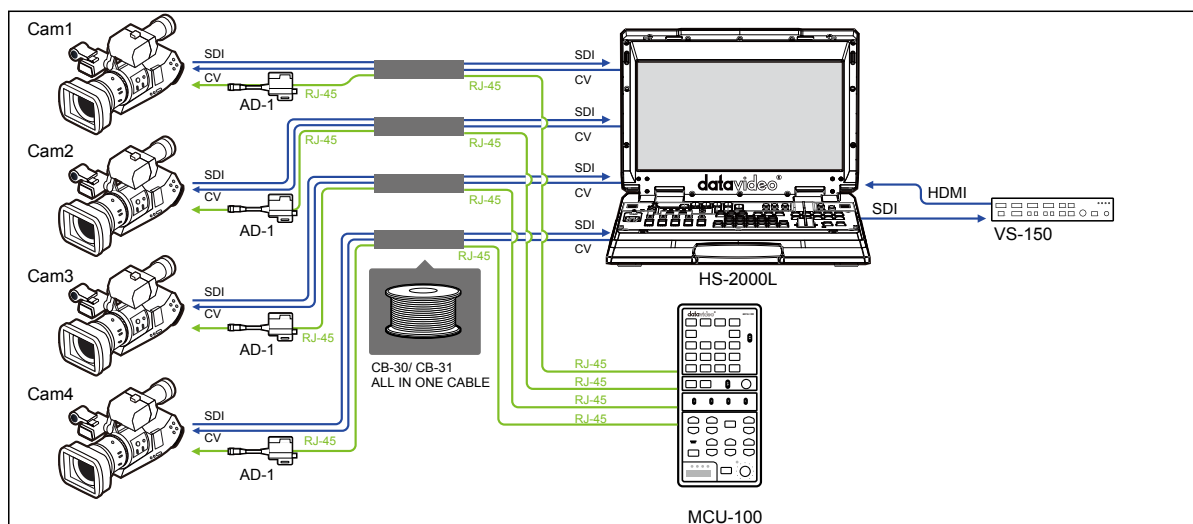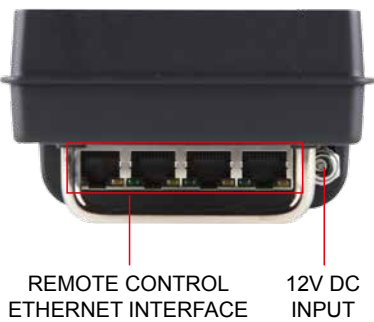
SIDE VIEW

SPECIFICATIONS

POWER SUPPLY	DC 12V
POWER CONSUMPTION	3.6 W
WEIGHT	350 g
DIMENSION (WXHXD)	95mm x 208mm x 54mm
INPUT/OUTPUT CONNECTION	RJ45 x4
CONNECTION DISTANCE	Up to 1000m (CAT-5 or CAT-6)
ACCESSORIES	RJ45 to Panasonic control interface cable adapter AD-1 x4, 12V DC power adapter
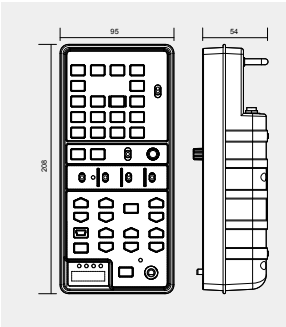
Camera Control Adaptor
AD-1

REAR VIEW

CV OUT

TO MCU-100

MULTI-CAMERA CONTROL UNIT
MCU-200

Connecting the MCU-100/200

Connect the included AD-1 adapter to the camera's CAM/BS port. Connect an ethernet cable from the AD-1 to the MCU. Parameters can viewed by connecting monitors to each AD-1 adaptor using a CVBS cable. MCU-100 and MCU-200 utilize locking power connectors.

SPECIFICATIONS

- Input / Output: RJ-45
- Size: 95 x 208 x 54 mm
- Power: DV 12V

REAR VIEW

RJ-45 CONNECT AD-1

TALKBACK SYSTEM
ITC-100

Good communication is vital in any production studio, keeping communication between the director, camera crew, lighting engineer and control room is essential to produce a polished end result.

The Datavideo ITC-100 Intercom system provides 8-way talkback and tally indicators. The producer can talk to an individual channel or to all channels simultaneously. High S/N ratio makes the communication crisp and clear.

The ITC-100 is a standard 19"/1U rack design, so it is easy to integrate into any rack system for using in the field or studio.

FEATURES

- Standard 19"/1U rack design
- Supports 8-Way talkback (standard package includes 4 sets of ITC-100SL with belt-pack accessories)
- Additional external earphone and microphone interface
- Dual colour tally light indicator
- Selectable channel talk, broadcast to all or mute
- Enables clean and clear communication between the camera crew and the director
- Communication distance up to 200m
- Supplied complete with gooseneck mic and light

FRONT VIEW

POWER MIC MODE MIC/HEADPHONE CALL MUTE SPEAKER
MIC HEADPHONE VOLUME LIGHT

REAR VIEW

TALKBACK/ TALLY OUTPUT 1-8   TALLY B INPUT   TALLY A INPUT   DC IN 12V 1.5A
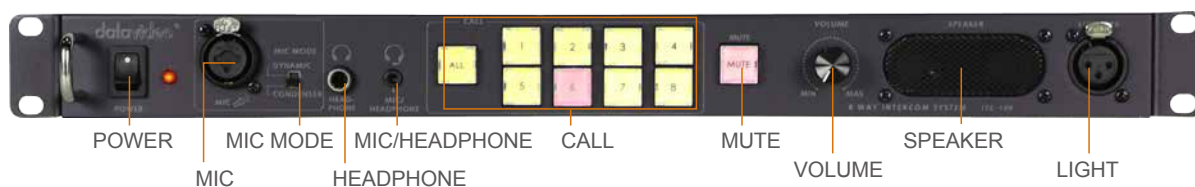
ACCESSORIES (INCLUDED)

ITC-100SL

Intercom belt pack
4 x ITC100SL cameraman unit including carry case

CB-3

20m 5-Pin Intercom Cable
4 x 20m XLR to XLR inter-com cable

TD-2

Tally Indicator
Supplied with 4 x camera-mounted tally lights

CB-7

1.2m GPI Cable
Connection TD-2 tally light with ITC-100 belt pack

MC-1

Microphone Headset
ITC-100 - supplied with 4 headsets.

MC-2/ LP-1

Gooseneck Microphone/
Gooseneck Light
XLR gooseneck mic & light

TALKBACK BELTPACK   ITC-100SL

Call Push Button
Tally Indicator
Talk Button
Headset Volume

Headset with microphone

TD-2 Tally Indicator

Optional Mobile phone headset
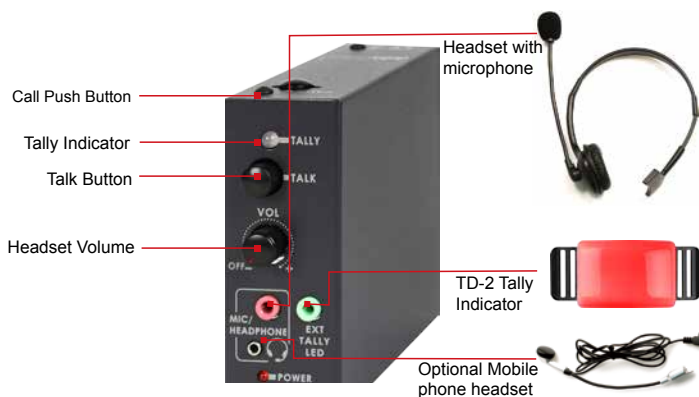
REAR VIEW

5 pin XLR connector provides bi-directional communication, tally signal and power in one cable

TO MASTER UNIT

TALLY LIGHT INDICATOR   TD-2

TD-2 tally light provides the camera operator and the talent with clear information

ITC-200E

FRONT VIEW

datavideo   EXPANSION UNIT ITC-200 E

REAR VIEW

datavideo

SETUP DIAGRAM

A
B
C
D

ITC-100

ITC-200 E

SE-3000

INTERCOM +TALLY

INTERCOM +TALLY
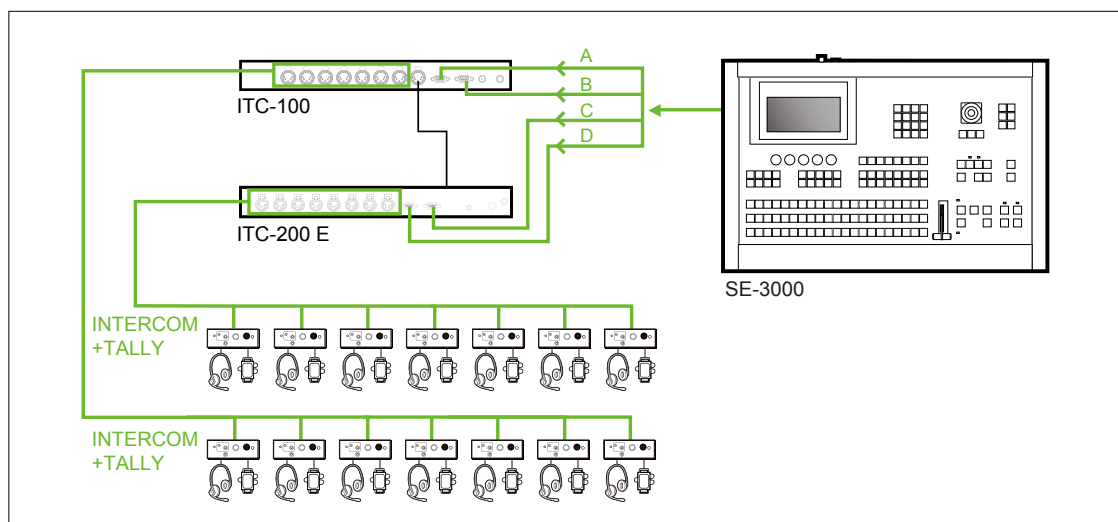
Intercom System
ITC-200
ITC-200B+ITC-200E

Datavideo ITC-200B intercom systems stop the director from becoming a mere bystander, and facilitate fast and accurate communication between the crew and talent.

With the Datavideo ITC-200B the director can talk with up-to 8 users simultaneously. The package includes a central unit and 4 crew belt packs with everything you need to maintain communication throughout a production.

Integrated, effective and uncomplicated: everything an intercom should be, with good expansion capabilities. The Datavideo ITC-200B is rack-mounted, ideal for use in location, OB van or fixed location studios.

FEATURES

- Base Station with Operator Microphone, Lamp & Operator Headphone
- ITC-200B enables the operator to talk to ALL cameramen at the same time (no individual cameraman selection).
- Includes 4 x Belt Packs including 4 x 20M cable & 4 Cameraman Headsets/Microphones
- 4 x Camera Tally Lights included (connects to cameraman belt pack)
- Additional Belt Packs including Headset/Microphone & Tally Lights (available as optional extra)
- Each individual cameraman can push his talk button to talk back to the operator
- Expandable up to 16 channel with ITC-200E

Intercom Base Unit
ITC-200B

FRONT VIEW

GOOSENECK LIGHT   POWER   VOLUME   MUTE   MIC/HEADPHONE   VOLUME   HEADPHONE   VOL.   HEADPHONE   VOL.

REAR VIEW

AUDIO LOOP OUT   AUDIO IN   TO BELT PACK 1-8   TALLY B INPUT   TALLY A INPUT   POWER IN

CASCADE IN   POWER OUT

Intercom Expansion Unit
ITC-200E

FRONT VIEW
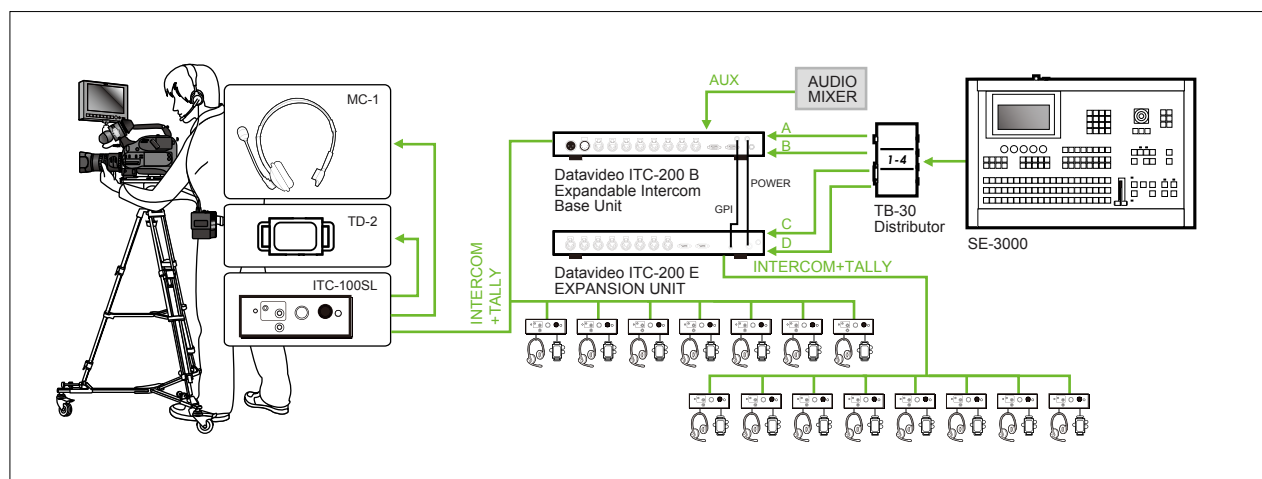
CASCADE OUT   DC IN 12V

REAR VIEW

TO BELT PACK 9-16   TALLY D INPUT   TALLY C INPUT

SETUP DIAGRAM

ITC-200B Accessories

x4
ITC-100SL
Intercom belt pack
4 x ITC100SL cameraman unit including carry case

x4
CB-3
20m 5-Pin Intercom Cable
4 x 20m XLR to XLR intercom cable

x4
TD-2
Tally Indicator
Supplied with 4 x camera-mounted tally lights
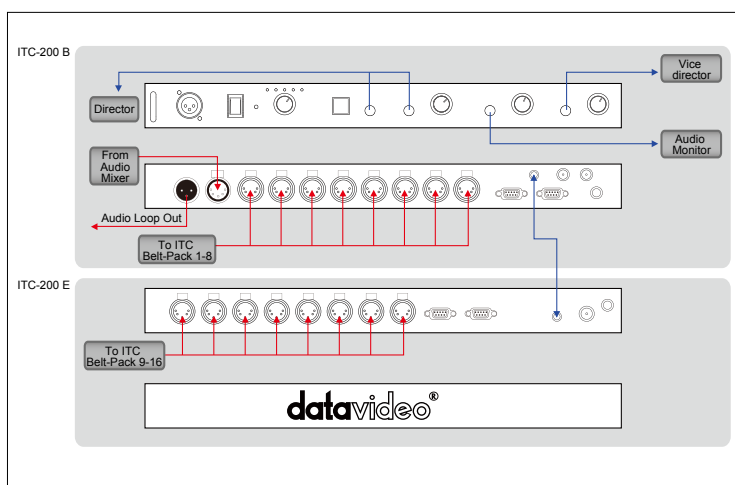
x4
CB-7
1.2m GPI Cable
Connection TD-2 tally light with ITC-200B belt pack
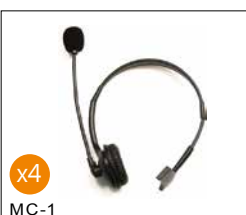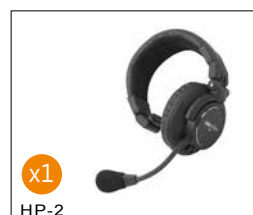
x4
MC-1
Microphone Headset
ITC-200B - supplied with 4 headsets.

x1
HP-2
Microphone Headset
ITC-200B - supplied with 4 headsets.

x1
LP-1
Gooseneck Light
XLR gooseneck mic & light

ITC-200E Accessories

x4
ITC-100SL
Intercom belt pack

x4
CB-3
20m 5-Pin Intercom Cable

x4
TD-2
Tally Light Indicator

x4
CB-7
1.2m GPI Cable

x4
MC-1
Single-Side Headset

SD CHROMAKEY
DVK-200

DVK-200 is an easy to use stand alone chromakey solution enabling you to create stunning virtual studio effects without the need for complicated computer software.

With DVK-200 you can connect a range of video and computer equipment, including DVI, Y:U:V, S-Video and composite video, keying with either blue, green, white or black backgrounds.

Background sources can be DVI-I, S-video or composite video.

Together with Datavideo's CKL-300, dual colour (green & blue) LED lighting ring and retro-reflective backdrop cloth, the DVK-200 is the perfect partner for keying the easy way.

FEATURES

■ Choice of Blue, Green or Luminance keying
■ Advanced key adjustments for perfect keying
■ Video inputs from: Y:U:V / DVI-I / S-Video or composite video
■ Background inputs from: DVI-I, S-Video or composite video

■ Window size adjustment - remove unwanted items from the foreground
■ Built in picture processor for adjustment of brightness, contrast, colour and tint (tint is NTSC only)
■ RS-232 control interface

REAR VIEW

- DVI-I IN
- INPUT SELECT
- MODE SELECT
- GPI
- RS-232 CONTROL

CAMERA INPUT   BACKGROUND INPUT   OUTPUT   DC IN 12V 1.5A
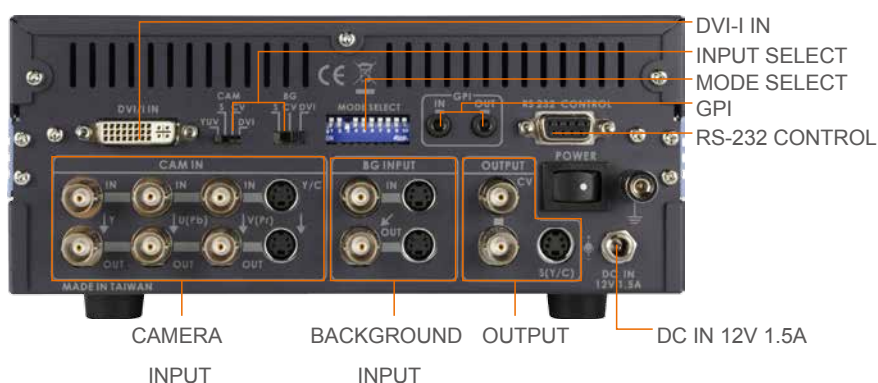
APPLICATIONS

News & Weather Forecast

Shopping & community channel

Education

Entertainment

FEATURES

Window Size

If the backdrop does not fill the whole screen, or if you want your subject to appear small, make the keying window smaller so only the backdrop is keyed.

Edge Shrink Functions

Even with perfect lighting, and key density, the subject may have a dark edge. Using the DVK-200's easy to use left & right edge shrink functions can remove the unwanted dark edge.

Spill Adjustment
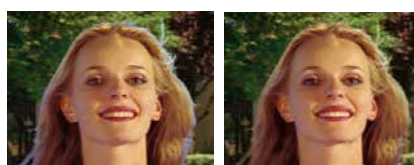
Often, the green / blue backdrop can cast an unwanted color cast on the subject. DVK-200 features an advanced spill adjustment enabling you to remove this unwanted cast.

Subject Density.

Subject density adjustment will make your subject more or less opaque / transparent enabling a perfect defined effect

Blue or Green Keying

Chromakey over Blue or Green, or Lumakey via either Black or White backgrounds.

DVI-I INPUT

Advanced connection options include DVI-I making it easy to connect to computers.

Settings Lock

BEFORE   AFTER
LOCK   LOCK

After setting the parameters to produce the perfect effect you can lock the settings. Now none of the DVK-200 front panel controls will respond.
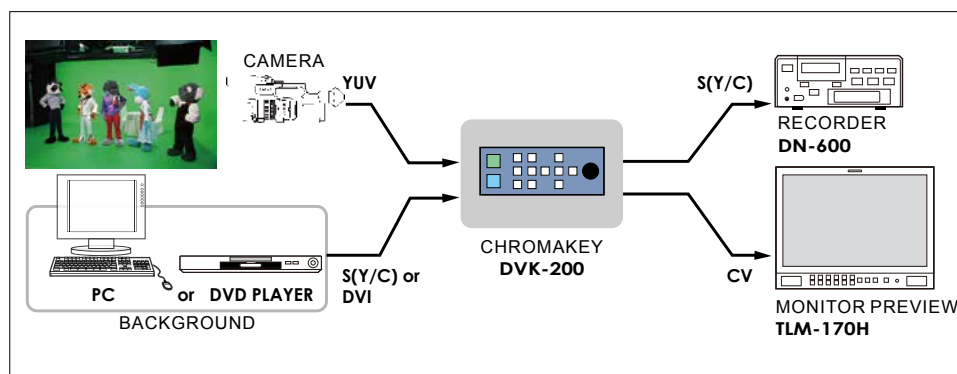
SPECIFICATION

- Foreground Input: DVI-I, Component Y:U:V, S-Video (Y/C) or composite video. Background Input: DVI-I, S-Video or composite video
- Video output: S-Video (Y/C) or composite video
- Video system: PAL/ NTSC support (NTSC 0 IRE or 7.5 IRE)
- Key Out background color: Green, Blue or Luminance
- Others: GPI & RS-232 Control interface
- Power: DC 12V/ 1.5A
- Dimensions: 210mm x 91mm x 220mm
- Weight: 2.1Kg

SETUP EXAMPLE

CAMERA
YUV

S(Y/C)

RECORDER
DN-600

CHROMAKEY
DVK-200

CV

PC   or DVD PLAYER

S(Y/C) or
DVI

BACKGROUND

MONITOR PREVIEW
TLM-170H

HD/SD CHROMAKEY
CKL-300
LD-1+RF-1025 (x3)

A Chromakey Studio has just become easy and affordable

Datavideo CKL-300 is a combination of a dual color (green & blue) LED ring and a unique retro-reflective backdrop cloth, which is embedded with tiny glass beads.

The LED light ring is mounted on the lens of the camera, and projects a highly directional green or blue light on the backdrop cloth. Thanks to the embedded glass beads, light is then projected back to the camera creating a perfect green or blue background, providing you with excellent keying results with minimal effort.

FEATURES

- 3 x 0.9m (w) x 2.5m (h) retro-reflective back drop with Velcro on the left and right hand side allowing users to use either one cloth on its own, or join them together to form a single 2.7m x 2.5m background (approx).
- Dual color green & blue LED ring
- Perfect light return up to 75° off axis
- Power Supply with LED brightness adjustment
- Remote control integration with Datavideo DVK-200
- Light ring lens size 72 mm (stepping rings 52-82mm available from resellers)
- DC 12V operated perfect for mobile applications

BACKGROUND VIDEO

Y.U.V VIDEO

S(Y/C)

LED CONTROLLER

GPI IN

DVK-200   VIDEO OUT

SWITCH

GPI OUT

GREEN   BLUE

VIDEO OUT

LED CONTROLLER
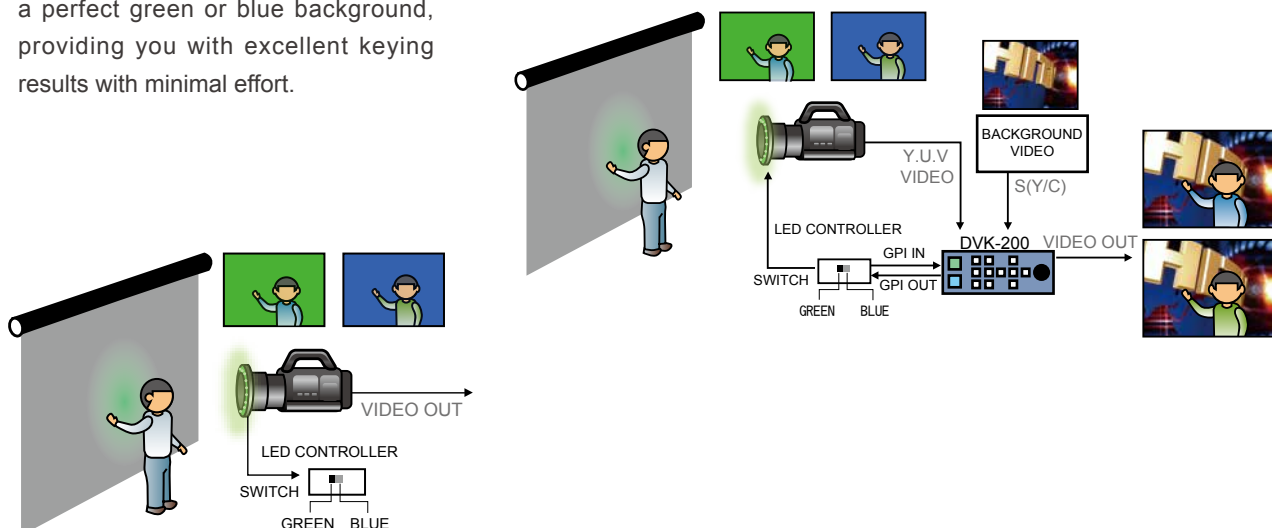
SWITCH

GREEN   BLUE

POWER SUPPLY & LED LIGHT RING

LD-1

LED LIGHT RING   Dual colour (Green & Blue) LED ring

Change chromakey setup from Green to Blue with a flick of a switch on the supplied LD-1 controller

POWER SUPPLY   Power supply with built in dimmer control for control of the brightness in the LED ring

FRONT VIEW

- DC 12V 1.5A
- Power for to LED ring
- Control mode
- GPI In/Out interface
- Power Switch

REAR VIEW

- Remote-control mode
- External blue / green button remote control

Highly Retro-Reflective Cloth

RF-1025

0.9mx3(Expandable)

2.5m
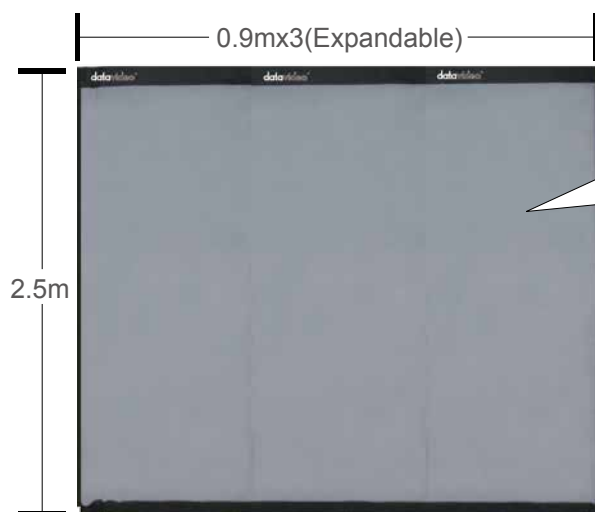
With the retro-reflective material, with embedded glass beads, light from LED light is reflected to the camera (up to 75 degrees axis) creating a perfect green or blue background, providing you with an excellent keying result with little user input.

Expandable

89cm ±1cm   89cm ±1cm   89cm ±1cm   250cm ±1cm

DIMENSIONS

- LED lights effective range: 10 m
- Dual Colour LED - green & blue
- LED light ring lens size 72mm
- (stepping rings available from your reseller)
- Retro-reflective cloth 2.5m x 0.9m x 3
- Perfect light return up to 75° of axis
- DC power AC100~240V
- AC or DC 12V 1.5A
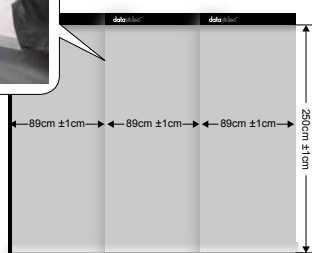
SMART PHONE TELEPROMPTER
TP-100

Why struggle with expensive re-takes, camera talent drifting off script or a presenters loss of eye contact with the viewing audience?

The Datavideo Smart Phone Prompter Kit, TP-100, is designed to help you overcome these problems by converting a smart phone (not supplied) into a low cost and effective prompter. Perfect for self shoot projects, video blogging or corporate video podcasts.

The Datavideo Prompter Kit for Smart Phone allows it to be used both on location and in a video studio. Prepared scripts or cue sheets can be easily loaded into the smart phone software from email and scrolled at a set automatic rate or controlled by a user with the optional wired / wireless remote for a more natural result.

A number of clear fonts, colours and text sizes are available making reading comfortable from a variety of distances.

SOFTWARE APPLICATION & REMOTE CONTROL

The DV Prompter application is available to download free from Apple™ App Store or Android markets*.

Control speed of your prompting script, or jump between break marks, with the optional remote wired/wireless controller.
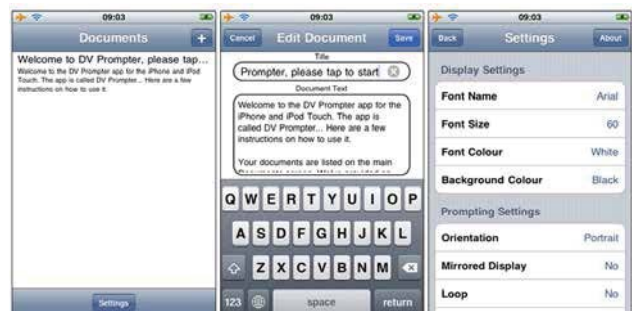
Easy and quick overview of all your document scripts.

Fast Script Download to TP-100's software via simple email cut and paste text copying, with instant Script Editing and Timing – use DV Prompter's in-built text editor for those last minute changes to content and timing.
Change background colour, font type & size and many other features direct via the interface on the Apple™ iPhone™ on the fly.

FEATURES

- Easy software and wired remote allow users to produce professional results at low cost.
- Special 60/40 Glass allows the presenter to read the script and the camera to see the subject.
- Strong and rigid camera hood fixes securely to a wide variety of

- camcorder lens threads.
- Supplied hood and stepping rings allow compatibility with a wide range of existing cameras.
- Quick and simple set up assembly requires no special tooling.
- Cradle in the prompter hood adapts to grip various phone sizes

- 3m wired remote control is perfect for self shoot projects.
- Optional wired/wireless remote control for Android and Apple tablet PC.

TP-300 / TP-500 / TP-600

Datavideo's tablet teleprompter systems are designed for DSLRs (TP-500), handheld camcorders (TP-300) and ENG cameras (TP-600).

Simply attach a video camera to the frame; the special beam-splitter glass allows the presenter to read the text on the glass screen while being recorded. The teleprompters come with a light-absorbing sock cloth to shield the camcorder from extraneous light. Optional Wired or Wireless remotes for either Android or iOS devices are available for controlling the speed and the direction of text.

The free dv prompter application is available to download from the Apple™ App Store™. iPad® & Android® Play.

TABLET PROMPTER
TP-300

SOFTWARE APPLICATION & REMOTE CONTROL
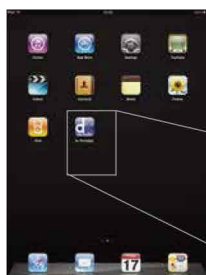
The dv prompter application is vailable to download Free from Apple™ App Store™ & Android® Play.

Control speed of your prompting script, or jump between break marks, with the optional i-remote wired/wireless controller.

Easy and quick overview of all your document scripts. Fast Script Download to TP-300's software via email and paste text copying, with instant Script Editing and Timing – use DV Prompter's in-built text editor for those last minute changes to content and timing.
Change background colour, font type & size and many other features direct via the interface on the Apple™ iPad™ on the fly.

DSLR Prompter
TP-500

ENG Prompter
TP-600

Adding CG to your live workflow

On-air graphics via a broadcast CG server can be responsive and powerful, yet are very costly.

Images and clips keyed from a switcher's built in clipstore or media player can create fantastic result but give the user limited ability to make textual changes while live on air.

A live graphics feed from a PC into the switcher or playout station is an attractive, versatile and cost-effective solution.
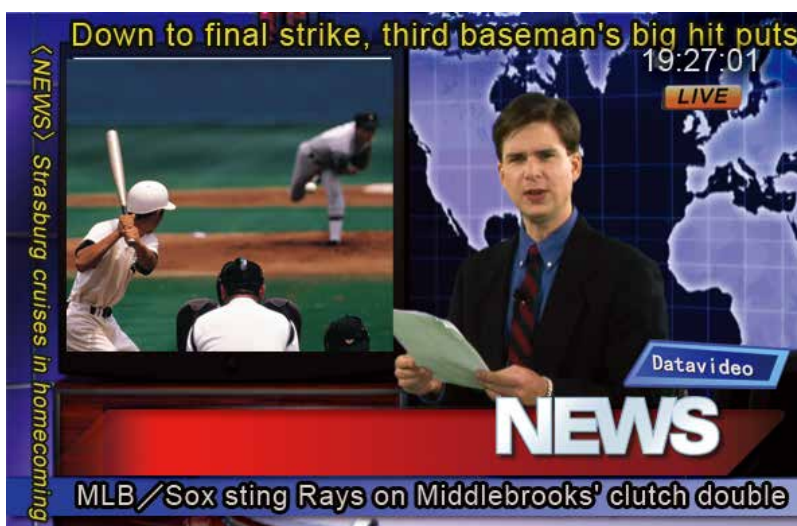
Datavideo CG-500, CG-350 and CG-100 provide turnkey CG and graphic system based on a powerful desktop or rackmountable Windows PC platform. Pre-loaded with Datavideo CG system software and blackmagic SDI card, the system is ready to deliver live, multi-layer highly creative graphics and titles via HD/SD-SDI or HDMI interface.

HD/SD GRAPHIC & CHARACTER GENERATOR
CG-500

The Microsoft Windows™ based Datavideo CG-500 graphics, titling and character generator software is a powerful multi-layer, real-time solution for live programming and post production.

It is compatible with widely available professional video hardware and supports the flexible play-out of multiple playlists, even while titles are being created. CG-500 can be used by for SD or HD news, sports, weather forecasts and entertainment programming.

High-Quality Rendering with GPU Effects
Hundreds of key frame based GPU effects, such as Swirl, Explode and Linear Light, can be rendered in real-time. The software features innovative group and text playing by character, by line and by text, with full dynamic textures.

Key Features

■ Suitable for live broadcasting with preview function

■ High-quality render and GPU Effect, such as 3D page turn, shadow and depth

■ Modify on the fly without interrupting the current playing

■ Intuitive GUI and Flexible Play List Control, such as schedule play and hotkey control

■ Real-time data update from CSV file, text file and ODBC...

■ Compatible with various hardware and HD/SD formats

Compatible with Various Hardware and Format

CG-500 plays out graphics via professional video cards:

Model	SD Internal Key	SD External Key	HD Internal Key	HD External Key
BlackMagic Design				
DeckLink SDI	●			
DeckLink Studio	●	●		
DeckLink HD Extreme 3D	●	●	●	●

SYSTEM REQUIREMENTS

■ Intel Core Duo 2.4 GHz
■ Support Pixel/Vetex Shader Model 3.0 graphics cards, or above with 256MB graphics memory and 128 bit or above, NVIDIA cards with 96 or more stream processors and ATI cards with a minimum of 480 stream processors
■ I GB system memory / 500 GB system hard disk
■ 1280x800 screen resolution monitor, or higher.
■ Windows XP Professional SP2

Templates

Graphics templates include Layout template, CG layout template, Animation template, Effect template, etc. Pre-set effects include Shader, Gradcolor and Texture.

CG effects

Player

The CG-500 Player is used to edit playing of title templates, subtitles, graphics and logos. Users have full control over play lists and play layouts. CG-500 Player consists of the Menu Bar and Tool Bar, Play Control and Play Time, Layout List, Template Library, 3 Play Lists, Subtitle List, Quick Play List, Preview Window and Program Window.
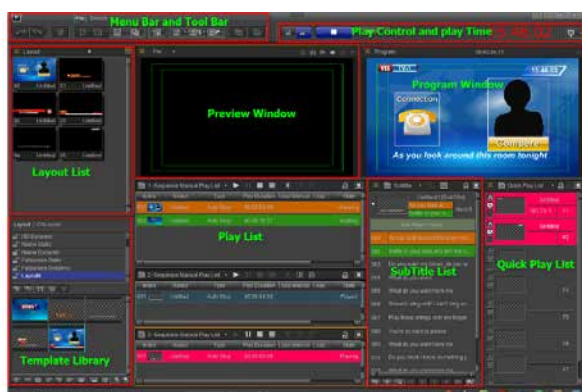
Powerful Editor

CG-500 Editor is used to create layouts. It consists of Tool Bar, Edit Screen, Timeline Window, Properties Window, Layout List
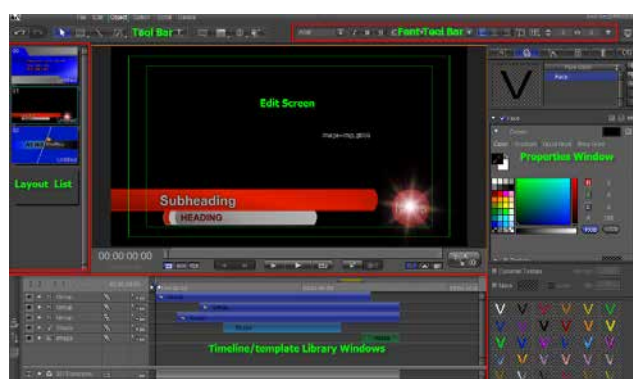
HD & SD CHARACTER GENERATOR
CG-350
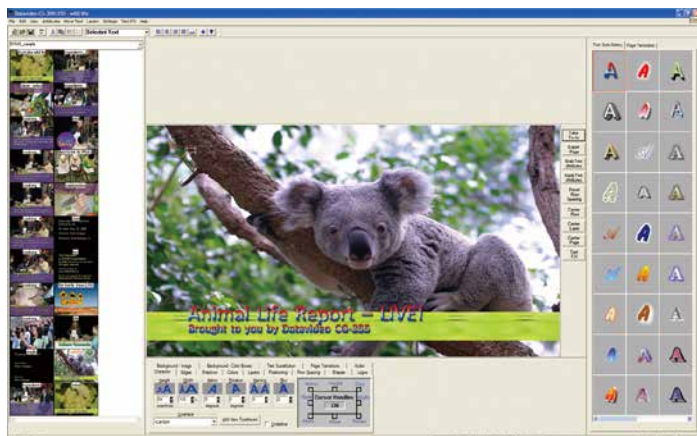
The Graphic Image Catalogue
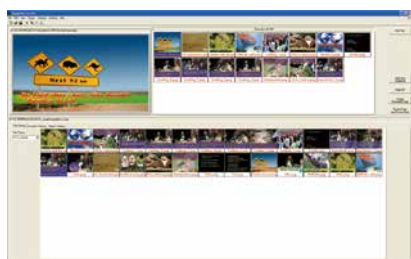
Shows the graphic images stored in the project. The Media Catalogue is divided into three groups Titles, Text Animations, and Graphic Images.

Preview Window

The program previews an image before it is displayed to ensure that the correct one is shown. The Preview Window previews the next Image to be shown. Use "drag and drop" to drag the page to be previewed from either the Display List or the Media Catalogue. Double clicking on an image in the Display List can also be used to select an image to be previewed.

Preview Control Buttons

Used to control the previewed Image
• Edit Title: Start the Title Composer and load the previewed page into it
• Start Auto Sequence: automatically sequencing the titles & images in the display list.
• Page Off: Removes the image from the video output.
• Display Previewed Page: Displays the previewed page on the video output.
• Display Image and Preview Next: Displays the previewed page (just like "Display Previewed Page"). It also previews the next page in the Display List.

Display List Editor

Use the Display List Editor to create and edit display titles and animations. You can add, delete, and duplicate images, text or animations here. You can also change the order of the images in this window using "drag and drop". This will change the order that the pages are displayed. It is possible to randomly select the next page to display for last minute changes.

Lower Thirds and Logo Keying

Produce stunning video with lower thirds, or logo using the advanced features of Datavideo CG-350

Hardware support

Datavideo CG-350 utilise the latest technology from both Blackmagic-Design™ and AJA™, to maximise quality and affordability

Don't just take our words for it – Try it out!

Why not try before you buy, visit our web site (www.datavideo-tek.com) and download a free trial.

SD CHARACTER GENERATOR
CG-100

IT FRIENDLY

SDI overlay provides broadcast quality computer graphics, but has usually been beyond the budgets of smaller studios and production houses - Datavideo CG-100 changes all that!

The CG-100 software combined with a Blackmagic Design™ DeckLink

Card™ brings you live SDI graphics overlay at an affordable price. It supports NTSC & PAL and can generate 16:9 or 4:3 graphics.

Pages can be composed and animated prior to the event, provided that the 'dongle' (USB Key) is used in the computer. Simply transfer any generated files and the dongle to the live event computer, containing the Blackmagic card, and run the sequence.

The software is so intuitive that users can easily edit pages during an event.

CG-100 combines perfectly with many of Datavideo's switchers and Mobile Video Systems, like the, SE-900 and MS-900 to give superb quality graphics / text / logo overlay on live productions. CG-100 can also be used with other SDI or YUV input switchers (with DeckLink Studio, DeckLink SDI capture cards).

INTERFACE

1	Open File	8	Animation Tool	15	Edit Logo
2	New File	9	Playback Se-	16	Logo On/Off
3	Save File	10	quence	17	Text & Image Edit
4	NTSC/PAL	11	Insert Empty Page	18	Extra Editing Tool
5	Safety Margin	12	Copy a Page		Graphics Tool
6	Page Info	13	Delete a Page		Editing Tool (Front/
7	Clip Board	14			Back, Undo, Redo,
					Delete…etc.)

SYSTEM REQUIREMENTS

- CPU: Pentium 4 2.0 GHz or higher
- Ram: 1 GB or higher
- Required Minimum Disc Space: 15 MB
- Screen Resolution: VGA, XGA
- Network: 10/100 Base T Ethernet card
- OS: Windows™ XP SP2™ or Vista™
- Compatible Blackmagic Design™ I/O Card

FEATURES

- Image objects can be imported as graphics and stored as part of the page
- Smooth Animations via Targa Sequence
- Animation objects including wipe, push & fade in various directions at different speeds
- Text can roll and crawl
- Support Windows™ unicode for multi-language input
- Redo/undo function for quick testing of an animation
- Support 16:9 or 4:3 aspect ratios & NTSC/ PAL
- Stand-alone logo display function
- Digital Clock Timer
- GPI trigger by external GPI cable, by keyboard and mouse
- Quick and Simple GUI
- Live SDI Overlay Text and animations
- Programmable Multipage Events with transitions

FEATURES

Text Templates
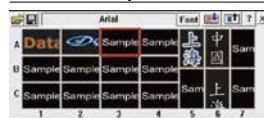
Text templates can be created for frequently used text styles

Unicode Support
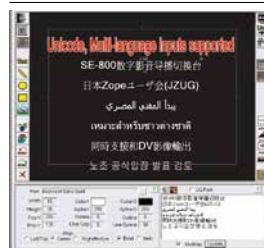
CG-100 supports multi language input

Multi Line input
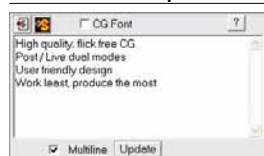
Text can be input as multiple lines or imported from .TXT files

Text/Graphic Editing

Adjustments include Size, Color, Transparency, Border, Spacing, Position & Alignment

Sequence Play

Pages can be set to run as an automatic sequence

Dongle

The hardware dongle allow users to work during the creative process, developing pages pre the event, on an "off location" computer. Install the CG-100 software on several computers and move the hard ware dongle from the "off location" to the live computer, as required.

Live Display

 The live button allows pre-edited pages to be displayed live on air while other pages are being edited

Page Animations
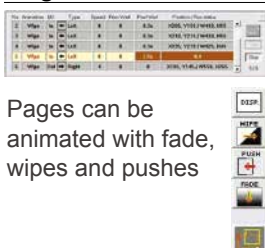
Pages can be animated with fade, wipes and pushes

Colour Key

Backgrounds can be removed from imported images by using colour key

Live Stream

Live stream is a bonus application. It converts a Video input, via an IEEE1394 card, into a streamable video (521Kbps or 312Kbps)

GPI Trigger

Pages or sequences can be triggered via simple GPI contact closure, or via keyboard CTRL.

Subtitles

 Subtitles can be displayed over graphic lower thirds. Single or dual line tickers can also be easily displayed

Logo Generator
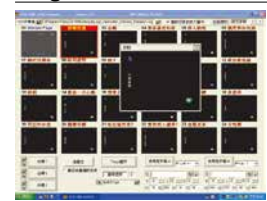
Logo generator mode allows instant control of up to 3 logos, TARGA sequence, crawling text, graphics and static text. Up to 24 pages can be preset

Targa Animation / Import
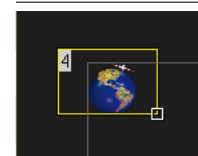
Animated TARGA (.TGA) sequences such as logos can be imported, sized and positioned

Date/Time/Stopwatch
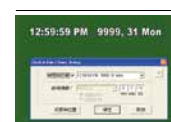
Date & time or stopwatch can be displayed anywhere on the screen

Blackmagic Design™ I/O Card.

Datavideo CG-100 combine with compatible Blackmagic™ SDI I/O cards to bring you live SDI CG overlay at an affordable price.

DeckLink Studio
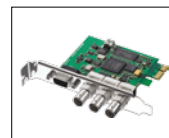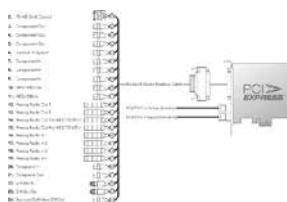
DeckLink SDI

www.blackmagic-design.com
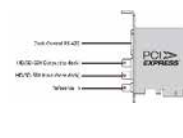
SAMPLING VECTOR SCOPE
VS-100

In multi-camera productions, different image characteristics can ruin the look of a programme. Datavideo VS-100 is a HD/SD sampling video scope tool for master monitoring and video color correction. Powerful features include waveform monitor/ Vector scope/ Parade (RGB and YCbCr), histogram and video in thumbnail mode.

It features built-in non-volatile storage and recall function to easily compare video samples from different cameras for accurate matching.

FEATURES

- Inputs:
  HD/SD-SDI x 1
  - HD-SDI supports:
    1080i50 / 1080i59.97 / 1080i60 / 1080p24
    1080p25 / 1080p30
    720p25/720p29.97/720p30/720p50
    720p59.97/720p60
  - SD-SDI supports:
    PAL/NTSC
    480i59.94 / 576i50
  RS-232 x 1 (for future firmware upgrade)
- Outputs:
  SDI loop out x 1
  HDMI monitor output x 1
  (Note: Must support 720p 50/60)

- Five video sampling Modes
  - Waveform Monitor
  - Vectorscope
  - Parade (RGB & YCbCr)
  - Histogram
- User interface:
  -Select video sampling mode
  -Master video monitoring
  -Video sampling and display
  -8-CH Audio level indicators
- Power input: DC 12V, 3.6W

FRONT VIEW

ADJUST   HEADPHONE   POWER

REAR VIEW

DC IN 12V   HDMI OUT   SDI OUT   SDI IN
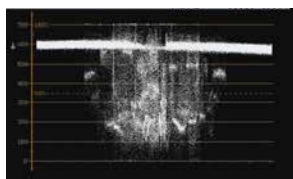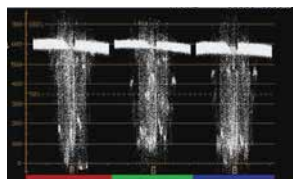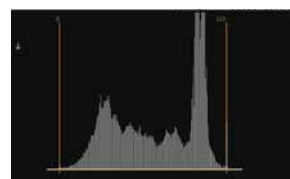
Waveform Monitor   Vectorscope   Parade   Histogram

SAMPLING VECTOR SCOPE
VS-150

VS-150 is designed with a user friendly control panel in 1RU half rack mountable casing. It is a useful video tool for studio video calibration and Datavideo Mobile Video Studio and OB Van integration.

FRONT VIEW

HISTOGRAM
POWER
WAVEFORM MONITOR
VECTOR SCOPE
PARADE
ZOOM
CONF
DLY
MEMORY
MENU
AUDIO
HEADPHONE

REAR VIEW
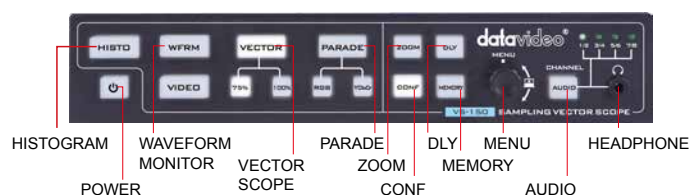
SWITCH
F/W UPGRADE
SDI IN
SDI OUT
HDMI OUT
DC IN 12V 3.6W

FUNCTIONS

■ Waveform Monitor

A waveform monitor is used to measure and display the level, or voltage of a video signal with respect to time. It can be used to display the overall brightness of a picture, to assist with calibration of video cameras, and to line up multiple-cam setups in order to ensure that the same scene shot under the same conditions will produce the same results.

MENU
8-CH AUDIO
VIDEO MONITOR
VIDEO WAVE-FORM

■ Histogram

Histograms represent the distribution of exposure values by displaying where the brightness levels contained in the scene are found, from the darkest to the brightest. Values are arrayed across the bottom of the graph from left (darkest - 0) to right (brightest-100). The vertical axis (the height of points on the graph) shows how much of the image is found at any particular brightness level.

■ Vector Scope

A vectorscope is used for video black/white balance calibration and to visualize chrominance in two methods —color saturation, encoded as the amplitude or gain and hue, encoded as the phase. The vectorscope's graticule roughly represents saturation as distance from the center of the circle, and hue as the angle.
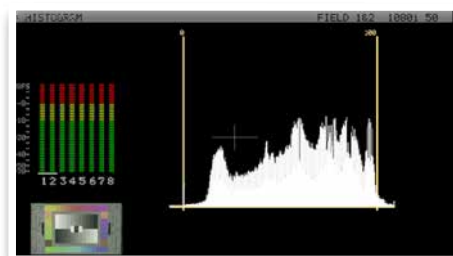
■ Parade

Parade shows the white balance where R, G, B values have equal amplitudes.
VS-100/VS-150 offer advanced capture function. Users can save a complete frame of video in RGB or YUV format to a buffer memory. The stored data is displayed as a captured green trace, so that it can be easily compared with a live trace. When using multiple cameras, it is important that all cameras are matched.

Color Bar from camera   Vectorscope
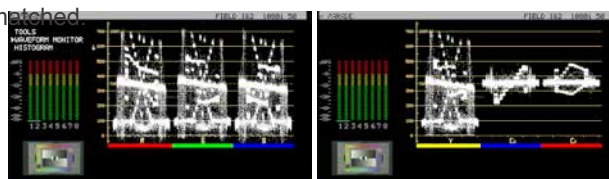
R G B CORRECTION   Y Cb Cr CORRECTION

SAMPLING VECTOR SCOPE MONITOR
VSM-100

DUAL SAMPLING VECTOR SCOPE MONITOR
VSM-200

Accurate video signal analysis and calibration has always been crucial to any live production.

Datavideo VSM-100 and VSM-200 waveform / vectorscope monitor series seamlessly integrate into a compact 19" rack system to ensure consistent and legal color and luminance video levels. At 2U, they are perfect for use in a production van or any space-limited setup.

VSM-100 has a single waveform / vectorscope unit while VSM-200 features dual scopes. Both models come with two LCD screens, thus no external monitors are required; as such it's highly cost effective.

VSM-100

4.3" HD MONITOR

VECTOR SCOPE CONTROL PANEL

VSM-200

4.3" HD MONITOR

VECTOR SCOPE CONTROL PANEL

FEATURES

■ VSM-100: one waveform / vectorscope unit with two 4.3-inch HD monitor screens

■ VSM-200: two waveform / vectorscope unit with two 4.3-inch HD monitor screens

■ Sampling Vectorscope

- HD/SD-SDI input

- HDMI and HD/SD-SDI output, SDI output can be assigned as video source loop out or vectorscope display

- Auto-detect NTSC, PAL and HD signals

- Support four analisys modes: Waveform, Vectorscope, Parade (YCrCb & RGB) and Histogram

- Save and Recall traces for easy conparison of different video signals

- Video input thumbnail with selectable 16:9/4:3 aspect rato

- Vectorscope reticle can be toggled between 75% and 100%

- Waveform detail can be zoomed 20%, 40%, 60% and 100%
  - Adjusting Horizontal Delay to view parts of the waveform

- Support embedded audio with on-screen audio level meter for up to 8 selecteable channels

■ Monitor screens

- Each monitor has one HDMI and one HD/SD-SDI input with loopthrough output

- Auto-detect NTSC, PAL and HD input signal

- Individual adjustments of Brightness, Contrast, Color Saturation and Back Light Level for each monitor

- Support Blue Only function, Safe area marking and Timecode display

- Support embedded audio on SDI, HDMI

- Audio monitoring via on-screen audio level indicator and front panel headphone jacks

- 4:3 & 16:9 display mode switching

■ Standard 19-inch rack size, 2U height, easy for system integration

REAR VIEW

VSM-100

USB   HDMI OUTPUT   HDMI INPUT   HDMI INPUT
       SDI INPUT AND LOOP OUT

VSM-200

USB   HDMI OUTPUT   HDMI INPUT   HDMI INPUT
       SDI INPUT AND LOOP OUT
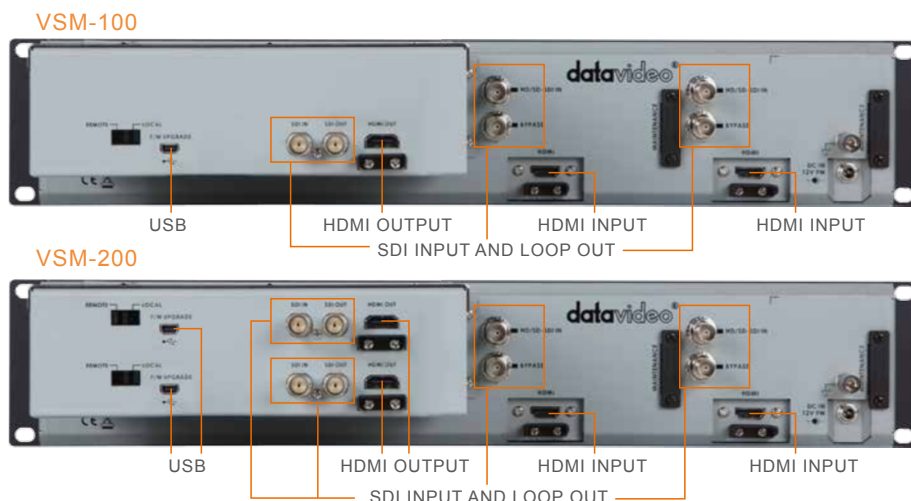
VSM-100 CONNECTION DAIGRAM
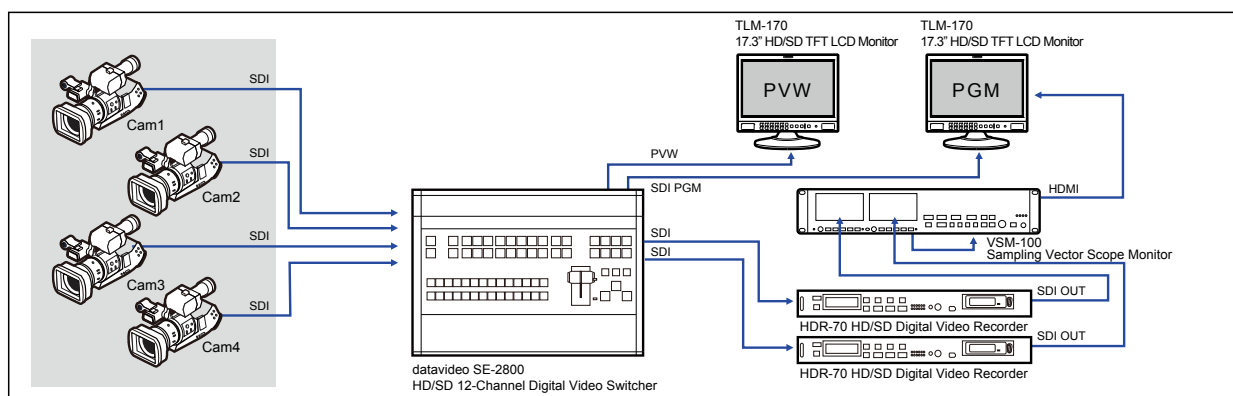
Camera signals are fed to a video switcher which main output is then connected to VSM-100. Director analyses and compares different signals through VSM-100 using Save/Recall Trace function. The result is communicated to cameramen through intercom system to calibrate individual signals to achieve consistency. Two 4.3-inch screens can then be used to monitor recording signals to ensure final video quality.

VSM-200 CONNECTION DAIGRAM
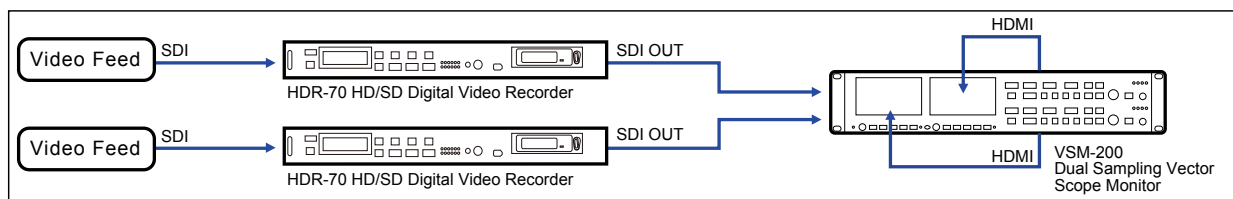
2 video signals are connected to 2 waveform / vectorscope units in VSM-200. Video test and analysis of each signal can be displayed on 2 built-in screens separately. Using a camera remote controller, such as Datavideo MCU-100 or MCU-200, operators can adjust camera settings to achieve precise and matching black/white balance calibration, color saturation and luminance level for each video source.

SPECIFICATION

■ Vectorscope

• HD/SD-SDI input with embedded audio (up to 8 channels)
• HD/SD-SDI and HDMI (v1.1) output, all scope view in 720P regardless of input format
• SDI output can be set as video input loop out
• Support embedded audio on both SDI & HDMI up to 8 channels
• Audio monitoring through on-screen audio level indicator and headphone jack
• Four test modes: Waveform, Vectorscope, Parade (YCrCb & RGB) and Histogram
• Video sampling by Single Field or whole Frame

■ Monitor screens

• 4.3" TFT LCD, 480 x 272 pixel panel resolution, contrast 300:1, brightness 500 cd/m2 (typical)
• Viewing angle: Top: 50 deg / Bottom: 70 deg / Left: 70 deg / Right: 70 deg
• Supports HDMI and HD/SD-SDI (with loopthru) video
• Supports embeded audio with on-screen levels indicator
• Support Timecode display, safe area marking and blue only function

• Color temperature adjustment 9300, 7500, 6500, 5400 & User setting

■ Video Standard

• SMPTE 259M & SMPTE 292M
• Resolution:
- SD: 720x480i, 720x576i
- HD: 1280x720 50P/59.94P/60P
1920x1080 50i/59.94i/60i
1920x1080 24P/25P/30P (4.3" doesn't support)

- HDMI-RGB: 720x480i, 720x576i
  1280x720 50P/59.94P/60P
  1920x1080 50i/59.94i/60i

■ Dimensions

• Standard 19-inch rack size, 2U height

■ Power Supply

• VSM-100: DC 12V / 15W
• VSM-200: DC 12V / 19W

TBC & VIDEO SWITCHER
TBC-5000

Time Base Synchronization

4:2:2

The Datavideo TBC-5000 is a compact, high performance multi-standard time base corrector, with 4 composite video and S-Video (Y/C) in/out.

TBC-5000 is designed to correct sync track errors in videotape playback or to synchronise up to 4 asynchronous signals, perfect for small studios.

TBC-5000 can be combined with the Datavideo DVK-200 stand alone chromakey solution for an affordable dual camera virtual studio solution – ideal for studio, web streaming applications, entertainment system or much more.

FEATURES

- 4 input to 4 output Genlock TBC
- Setting 4 in-4 out/ 4 in-2out/4 in-1 out three mode
- Cascade two TBC-5000, for up to a total of eight input, with eight output, all with perfect sync./genlock
- Connect to external synchronization or utilize internal synchronization
- Front Panel or RS-232 control option
- Supports S-Video or CV Video input
- Supports PAL/NTSC
- Supports NTSC 7.5IRE/0 IRE
- DC 12V input
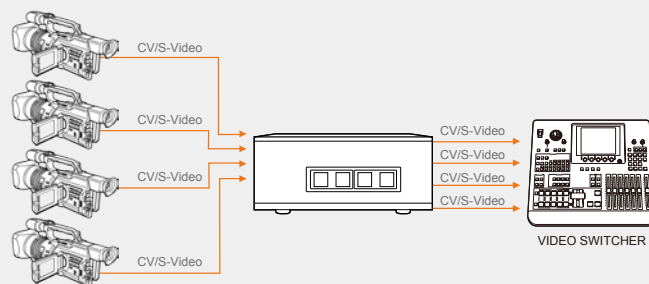
FRONT VIEW

INPUT

REAR VIEW

CV/S VIDEO SELECT   IN/OUT MODE   RS-232 REMOTE   POWER

CV/S VIDEO IN   CV/S VIDEO OUT   SYNC IN/OUT   SETTING MODE

SYSTEM DIAGRAM

■ **4 IN-4 OUT**

■ **4 IN-2 OUT**

■ **4 IN-1 OUT**
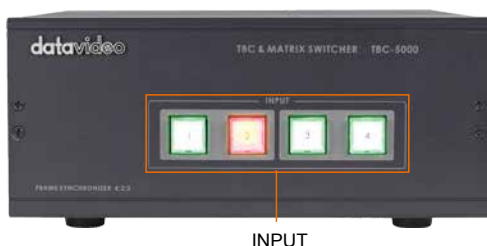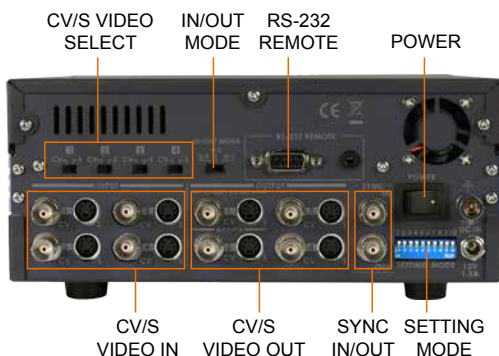
2 X6 3G HD/SD-SDI DISTRIBUTION AMPLIFIER
VP-597

VP-597 is a 6 output SDI distribution amplifier with A/B inputs switching control. It supports 3G/HD/SD SDI video with embedded audio and re-clocking for long distance transmission. Two source inputs can be controlled by an A/B panel switch or thru GPI remote control interface.

It is ideal for A/B switching to multiple displays or as a backup 3G/HD/SD SDI source switcher for live events.

FEATURES

- 2 x 3G/HD/SD-SDI inputs
- 6 x 3G/HD/SD-SDI distribution outputs
- Supports embedded Audio SDI
- Supports video formats:
- 3G-SDI | HD-SDI: 1080P 50/59.94/60/ 23.98/24/25/30
- SD-SDI 1080i 50/59.4/60/525i /625i/720P/50/59.94/60
- Two input video sources can be controlled by A/B switch or GPI remote
- DC-12V

VP-597 GPI Remote Control
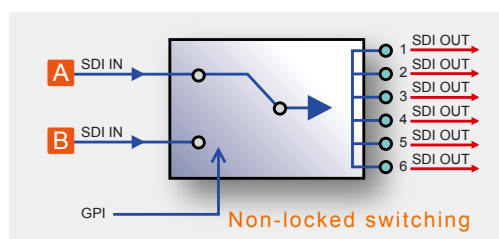
FRONT VIEW
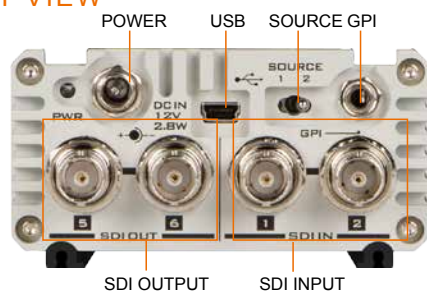
REAR VIEW

HD/SD-SDI DISTRIBUTION AMPLIFIER
VP-445

- Four way HD/SD SDI Distribution Amplifier with Embedded Audio
- Supports multi – standard Operation SD-SDI (SMPTE 259M and SMPTE 344M)
- Supports HD-SDI (SMPTE 292M)

DIAMENSIONS

Power : DC12V 300mA
Size (mm): 123 (L) x 89 (W) x 25 (H)
Weight : 300g

FEATURES

- 1 Input / 4 Output
- HD/SD SDI Connections
- Low Power Consumption
- Metal Case

FRONT VIEW

REAR VIEW

100M SDI REPEATER (POWERED/UNPOWERED)
VP-633/VP-634

The VP-633/VP-634 SDI repeater can each extend
the SDI video transmission by a further 100m.

Up-to 4 SDI repeaters can be used in one chain, allowing runs of up to
1000m SDI video thru good quality SDI cable.

Each run must contain a VP-633 as this has a power connection to
supply power through the SDI cables which then powers the subsequent
VP-634's (which do not require additonal power).

For applications where runs of a few hundred meters HD-SDI video are
required (concert hall, sports stadium etc.), the Datavideo VP-633 & VP-
634 are a very cost effective solution.

VP-633 (POWERED)

REAR VIEW

POWER
SDI OUT
SDI IN

VP-634 (UNPOWERED)

REAR VIEW

SDI OUT
SDI IN

FEATURES

- 1-1 SDI repeater
- Support 3G/HD/SD SDI video
- Auto-detect video input source of 3G/HD/SD
- Support SDI Re-clock function
- Cascade SDI 4.5C/5C cable
    1. 3G HD-SDI 1080P – up to 100m/section
    2. HD-SDI 1080i/720P – Up to 200m/section
    3. SD-SDI 720 50/60 – Up to 200m/section
- Cascade SDI 3C cable
    1. HD-SDI 1080i/720P – 100m/section
    2. SD-SDI 720 50/60 – 200m/section
- Cascade Datavideo CB-23 all-in-one cable
    1. HD-SDI 1080i/720P – 50m/section
    2. SD-SDI 720 50/60 – 50m/section
- DC12V-25V input to VP-633
- One VP-633 can supply power for up to 3 units of
  VP-634 in the same loop
- DC Power auto-termination on VP-634
- Rugged metal case design

SYSTEM DIAGRAM

CAMERA

100M
Canare 5CFB
Cable100M
HD/SD-SDI REPEATER
VP-634
VP-634

200M
Canare 5CFB
Cable100M
HD/SD-SDI REPEATER
VP-634
VP-634

300M
Canare 5CFB
Cable100M
HD/SD-SDI REPEATER
VP-634
VP-634

POWER

400M
Canare 5CFB
Cable100M
REPEATER & POWER ADAPTER
VP-633
VP-633

HS-2000L
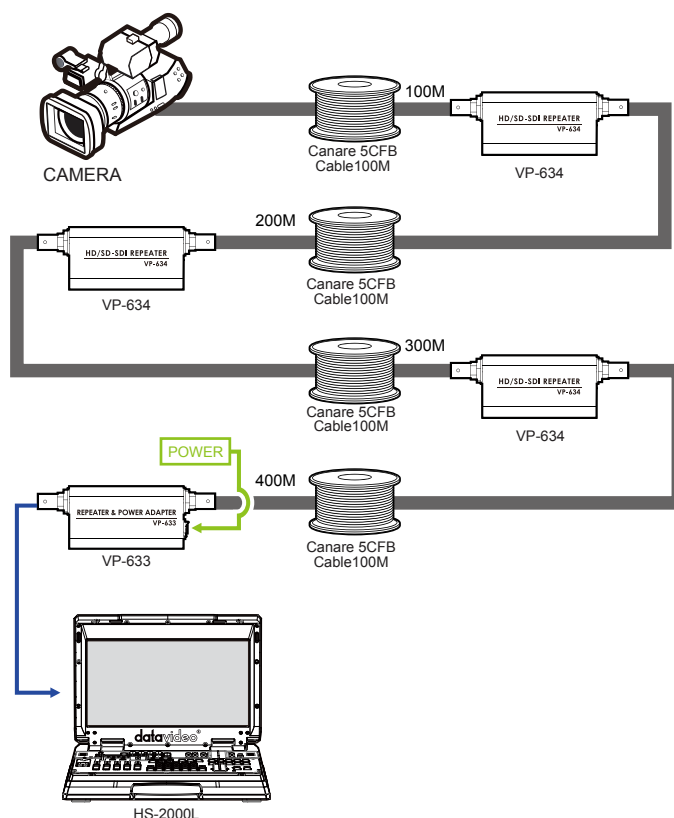
AUDIO MIXER
AM-100

AM-100 is a 1U 5 channel mixer designed for live video and TV environments. Channel 1 to 4 are designed for microphone or line inputs. The 5th channel is for secondary AUX XLR inputs.

AM-100 supports audio-follow-video switching. It is ideal for integration with a Datavideo video switcher.

FEATURES

- Ultra-compact 4 input + 2 AUX mixer featuring low noise, high-headroom design
- Four studio-grade Dynamic Range mic preamps with:
    1. Ultra –wide 60dB gain range
    2. 130dB dynamic range
    3. +22dBu line input handling
    4. Extended low-frequency response
    5. Distortion under 0.0007% (20Hz~20KHz)
    6. Phantom power for studio condenser mics
- Six high-headroom line inputs
- High resolution 8 segment stereo meters
- Ear phone 6.3mm with knob x1

- Level indictor
- Tally In (D-Sub)
- A+V switch

DIAGRAM

User can cascade more than one AM-100, to reach 8 sets or 12 sets and more.

OUTPUT
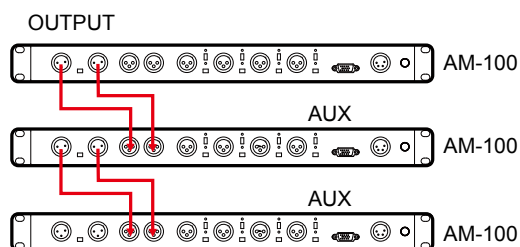
PANEL OVERVIEW
FRONT VIEW

POWER   VOLUME   LEVEL INDICATOR   AUDIO SOURCE   AUX IN   AUDIO MIXER

REAR VIEW

AUDIO OUTPUT   AUX INPUT   AUDIO INPUT   TALLY   DC 12V 2.5A

AUDIO DELAY BOX
AD-100

AD-100 is an easy to use audio delay box, enabling synchronisation of audio and video.

The unit features RCA (phono) connector as well as XLR type connection. Built in a rugged metal housing for use in the field or studio.

FEATURES

- RCA (phono) connector as well as XLR type connection.
- Built in a rugged metal housing for use in the field or studio setup
- Low power consumption
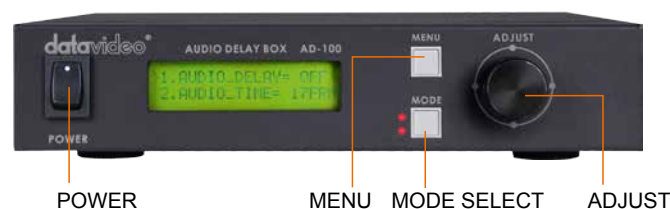
SPECIFICATIONS

- Delay time: 0 ~ -700mS (About 17 video frames)
- Frequency: 20Hz ~ 20KHz / ±3dB
- THD : ≤0.1%
- S / N : ≥75dB(XLR, S=4dBu), ≥80dB(RCA,S=0dBV)
- Attenuation: 0 ~ -60dB

FRONT VIEW

POWER   MENU   MODE SELECT   ADJUST

REAR VIEW

AUDIO OUT   AUDIO IN

SETUP DIAGRAM

HD-SDI
Cam1
HD-SDI
Cam2
HD-SDI
Cam3
HD-SDI
Cam4

1   2   3   4   EXT.MIC

HS-2000

XLR AUDIO   AD-100   XLR AUDIO

HD-SDI

HD Monitor and Recorder

POWER CENTER
PD-2A

UPS
EXT. 12V Battery

POWER

AC INPUT
100-240VAC 50/60 Hz
FUSE RATING 6.3A/250V

DC INPUT
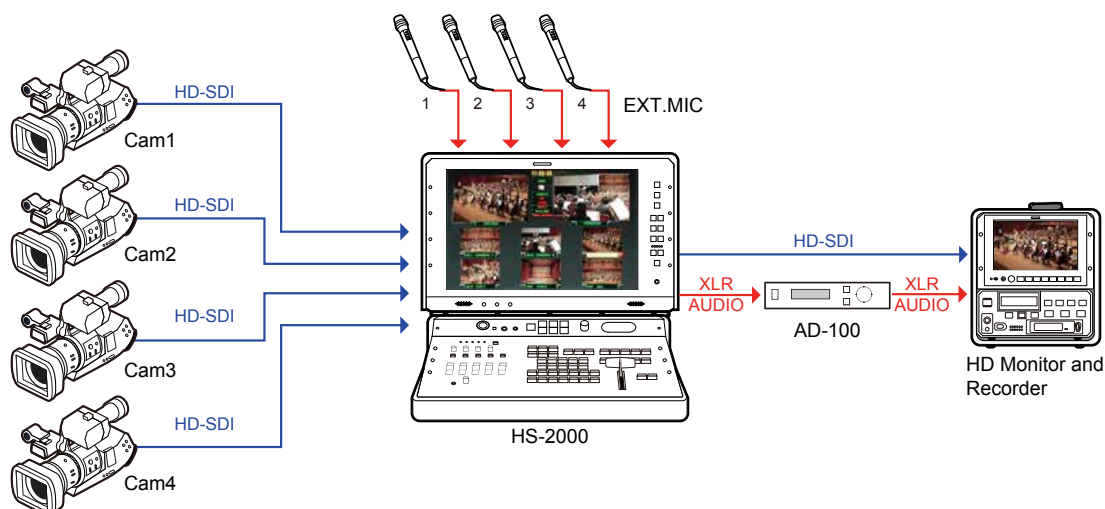
PD-2 400 watts 1RU 19" rack Power Distribution Center is designed to provide a steady power supply for studio equipment, such as the video switcher, monitors, recorders and intercom system.

It features auto-switchable inputs of AC 110V/220, a UPS interface and DC 12V ports.

PD-2 has 4 12V/3A terminals, two 12V/5A terminals, two 12V/10A terminals (shared) and XLR DC outputs. It provides up to 400 Watt.

The PD-2 adds reliability to studio equipment and consolidates power supplies and cabling.

FEATURES

■ Maximum rating 400Watts
■ XLR DC output includes:
  12V/3A x 4 ,12V/5A x2, 12V/10A (shared) terminals x 2
■ Power Indicator and auto-recovering fuse protector for each output terminal
■ Sequential-Power On of each DC output terminal during power on stage by 1 second duration
■ Auto-switchable AC 110/220V or DC12V UPS input source
■ Compliant Safety / EMI and RoHS certification

12V / 3A x4   12V / 5A x2   12V / 10A (shared)

REDUNDANT POWER CENTER
PD-4A

UPS
EXT. 12V Battery

POWER

AC INPUT
100-240VAC 50/60 Hz
FUSE RATING 6.3A/250V

DC INPUT

POWER

AC INPUT
100-240VAC 50/60 Hz
FUSE RATING 6.3A/250V
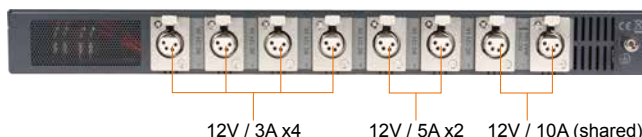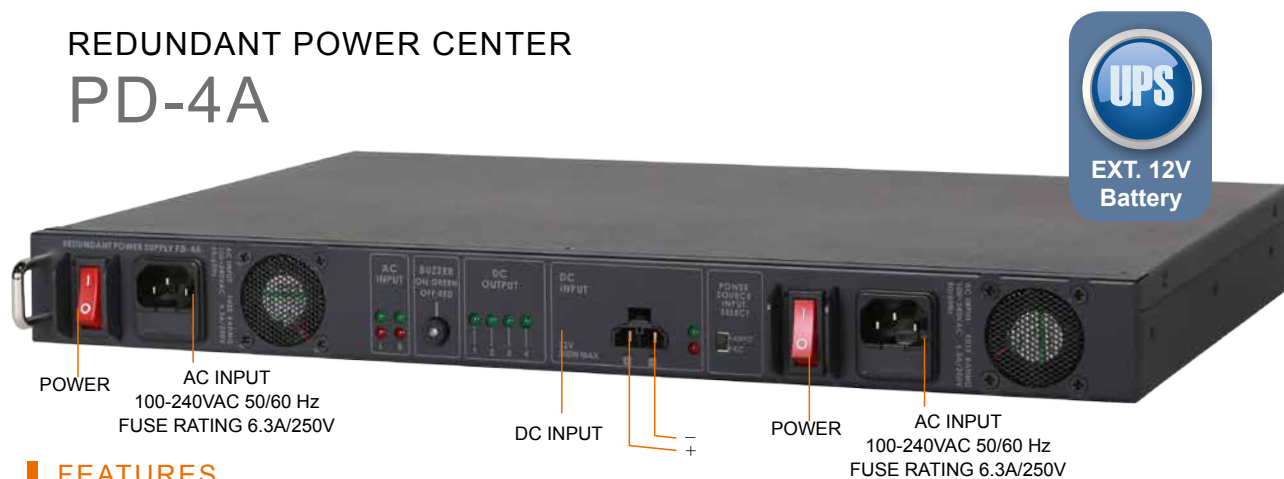
FEATURES

Datavideo PD-4 Power Distribution Center comes with two AC power supplies to provide instant fail-over redundancy. PD-4 provides multiple DC 12V outputs. The automatic port control sequencer intelligently initiates each output to ensure the power supply on start-up.

The PD-4 can also be powered from a regulated DC 12V power source. It can run from a car or van's power outlet with the use of a suitable regulator.

- Input

 AC input outlet: Two 100-240V, 50Hz or 60Hz AC input
   with power switch
 DC input: 12V, 300Watts

- Output (1 second sequential control on each DC output)
 12V±5%, 5A XLR DC Female Jack x 3
 12V±5%, 10A XLR DC Female Jack x 2
-Dimension

 19" 1RU rack size

REAR VIEW

DC OUTPUT

CAMERA POWER CENTER
PD-6

POWER
AC INPUT
100-240VAC 50/60 Hz
FUSE RATING 6A/250V
DC OUTPUT
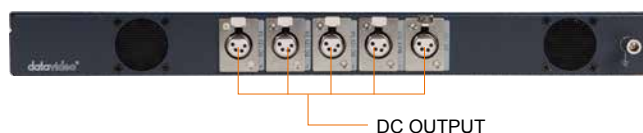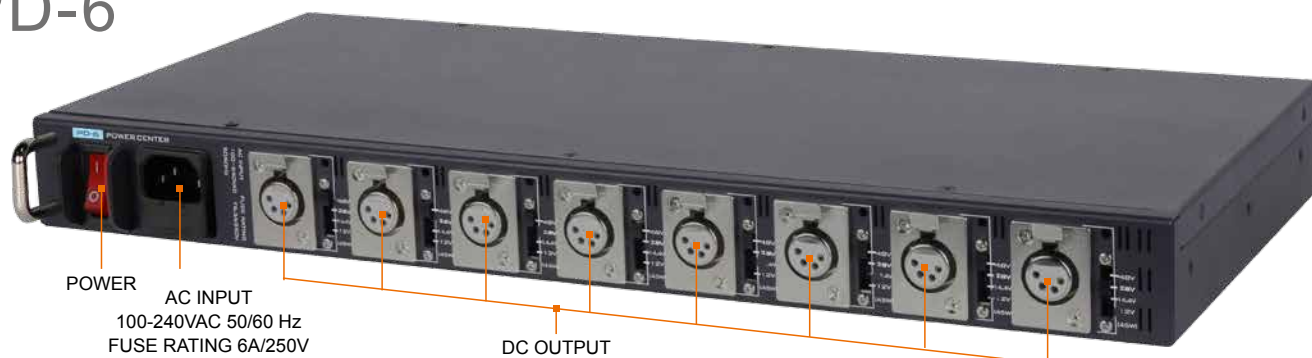
PD-6 is a 19" rack mountable universal AC to DC Power Distribution Center, designed to supply steady and sequenced voltage for production kit whilst on location or in your studio.

Perfect for use in conjunction with Datavideo studio equipment and the CB-22H / CB-23H via a single power cable. Each of the eight outputs can be configured individually, DC48V, 24V, 14.4V & 12V, with a total power consumption of 360W.

FEATURES

- Automatically adjusts to work with 50Hz or 60Hz supplies between 100-240 VAC
- 8 DC outputs with a combined total power consumption of 360W
- Each DC output can be switched to provide 12, 14.4, 24 or 48v
- Each DC output has a multi-colour LED confirming the chosen voltage by colour
- The unit is designed to provide both DC & AC overload protection
- Standard 19" – 1U rack mountable case

	PD-2A (Studio Power Distributor)	PD-4A (Reduant AC Inputs Power Distributor)	PD-6 (Camera Power Distributor)
AC input	• 100~240 VAC (50Hz or 60Hz) • AC input outlet: One AC input with Power Switch	• 100~240 VAC (50Hz or 60Hz) • AC input outlet: Two AC inputs & Two Power Switches	• 100~240 VAC (50Hz or 60Hz) • AC input outlet: One AC input with Power Switch
DC Backup Input	• One DC 12V/32A, • supports n on-regulated DC 12V output	• One DC 12V/25A, • supports non-regulated DC 12V output	None
DC Outputs	8 12V±5%, 3A XLR DC Female Jack x 4 12V±5%, 5A XLR DC Female Jack x 2 12V±5%,10A XLR DC Female Jack x 2	5 12V±5%, 5A XLR DC Female Jack x 4 12V±5%, 10A XLR DC Female Jack x 1	8(x4 30W,x4 60W) 30W:12V(2.5A),14.4V(2A),24V(1.25A),48V(0.6A) 60W:12V(5A),14.4V(4A),24V(2.5A),48V(1.25A) PIN1:GND PIN2:DC OUT PIN3/4:NC
Max. Power Rating	400W	360W	360W
DC Overload	DC overload protection, auto-recovery fuses on each DC output terminal	DC overload protection, auto-recovery fuses on each DC output terminal	Protection type: Recovery automatically after fault condition is removed
AC Overload	non-recovery fuse on the AC input outlet	non-recovery fuse on the AC input outlet	non-recovery fuse on the AC input outlet
LED Indicator	8 DC output LED indicators	Green LED: Unit under working condition Red twinkle: AC Input failed 1~4 XLR DC outputs LED indicator	LED Color Indicator: Red:48V, Weak Red:24V, Green:14.4V, Blue:12V
Power source Input Select AUTO/AC	Selectable of Auto/DC input switch	Selectable of Auto/DC input switch	None

DC to DC
12/7.5V 4.0A Converter
DDC-4012H

48W

FEATURES

- Aluminium housing
- DC12V +/- 3%
- Velcro for mount on tripod

INPUT	VOLTAGE RANGE	15V~50V DC
	EFFICIENCY(Typ.)	UP TO 85%
OUTPUT	DC VOLTAGE	7.2V / 12V
	VOLTAGE TOLERANCE	±3%
	RATED CURRENT	4 A
	CURRENT RANGE	0~4 A
	RATED POWER	48W
	RIPPLE & NOISE(max)	<400mV
PROTECTION	OVER LOAD	105%~150% rated output power
		Protection type: Recovery automatically after fault condition is removed
Connector	DC INPUT 4PIN XLR MALE	PIN1:GND , DC to DC 12/7.5V 4.0A Converter
	DC OUTPUT 4PIN XLR FEMALE	PIN1:GND , PIN2/3:NC , PIN4:DC OUT
	DC OUTPUT 5.5mm DC Jack	Center: DC OUT , Shell: GND
ENVIRONMENT	WORKING TEMP	0°C to 40°C (32°F to 102°F)
	WORKING HUMIDITY	10% to 90% (non condensing)
	STORAGE TEMP.HUMIDY	-40°C to +85°C, 10~95% RH
OTHERS	DIMENSION	115 mm x 50 mm x 35 mm (L x W x H)
	WEIGHT	Approx. 0.3 kg/ 0.66 lbs
	CABLE	UL 2464 ,18AWG, L=1M
	SLIDE SWITCH	Selected 7.2V or 12V output
	LED Lamp	RED:DC out 12V, Green: DC out 7.2V

H.264 VIDEO STREAMING SERVER
NVS-20

NVS-20 H.264 Video Streaming Server

Datavideo NVS-20 is a broadcast quality HD/SD H.264 network streaming server, designed stream a live event in real-time. Equipped with HD/SD-SDI, HDMI and CVBS inputs, NVS-20 generates an H.264-encoded stream compliant with DHCP client, HLS, RTSP, RTMP. The unit is remotely controlled using any computer or mobile device with a web browser. Users can view real-time video with audio data through the web UI.
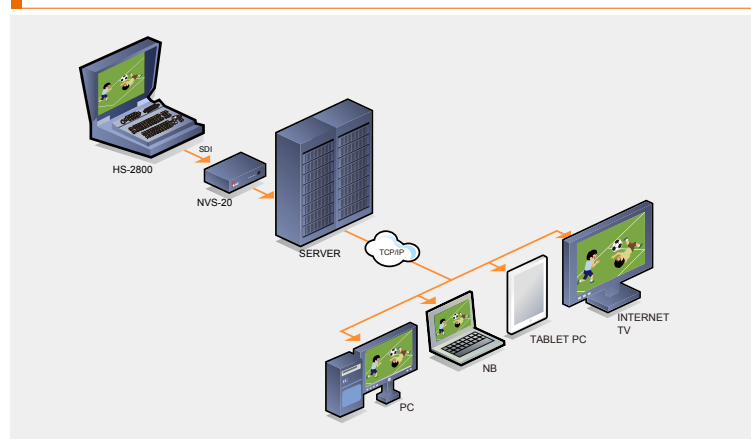
H.264

Network Compaitibility

For very quick and easy setup, DHCP Client is enabled on NVS-20. The device supports multiple streaming protocols, including MPEG transport stream over HLS, RTSP, RTMP. NVS-20 is an ideal partner for Windows or Apple-based servers.

H.264 Encoding

With NVS-20, incoming video and audio signals are encoded to H.264 for instant live streaming on the Internet or over local networks

DIAGRAM

FRONT PANEL

POWER   USB(H.264)   MODE SELECT

REAR PANEL

AUDIO INPUT   HDMI   CVBS   DC 12V INPUT
              SDI IN   OUTPUT TO
                        NETWORK

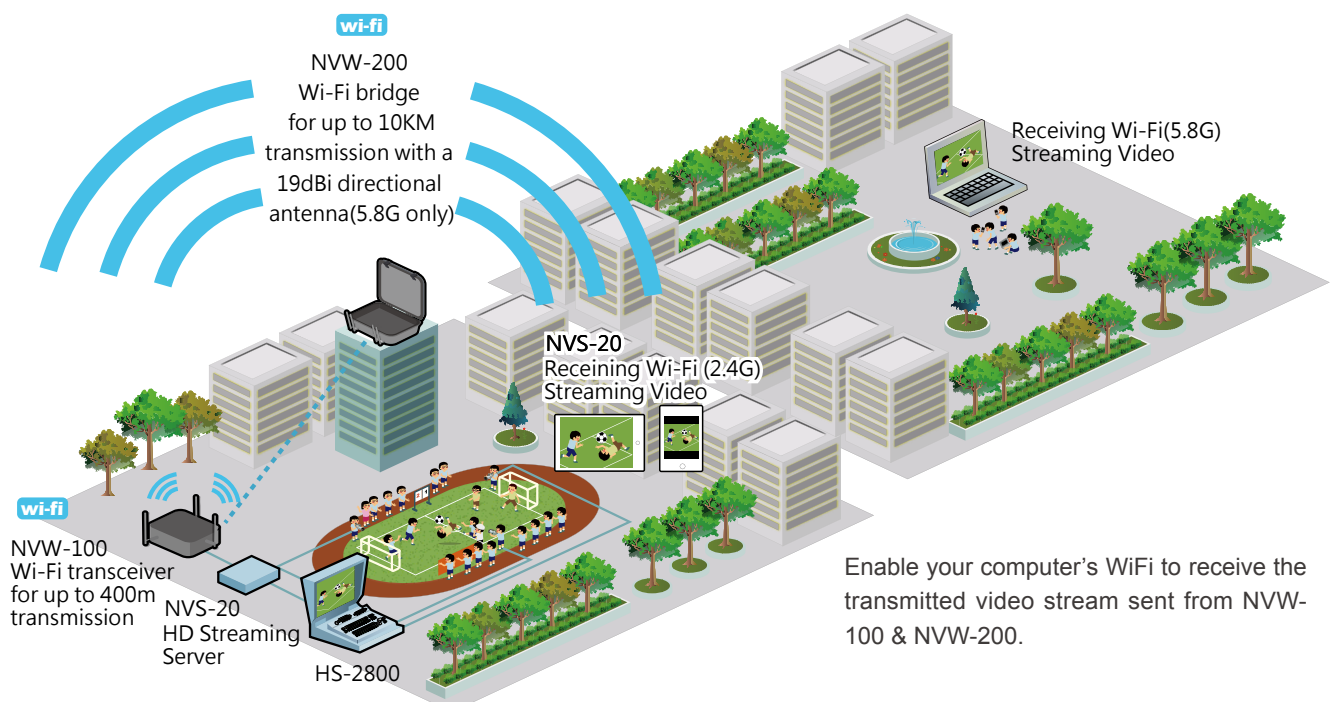| NVS-20 SPECIFICATION			
Encoded Video Stream	• H.264/AVC up to High Profile Level 4.0 • Up to 1920x1080 @ 30 fps • Configurable bitrate up to 6Mbps	Audio Encoding	• AAC-LC Audio Codec • 48KHz /16-bit Sampling Rate • Configurable bitrate up to 384Kbps
Video Inputs	• 1x HD/SD-SDI • 1x CVBS • 1x HDMI	Network Feature	• DHCP Client • RTP/RTSP/RTMP/HLS
Audio Inputs	• SDI Embedded Audio Supported. (2-Channels) • HDMI Embedded Audio Supported (2-Channels) • 2x XLR (One Stereo Pair) • 2x RCA (One Stereo Pair)	Control	• Web UI for System Configuration and Control • Shortcut Buttons for Start/Stop Streaming
Outputs	1x RJ-45 Female (10/100 Ethernet) 1x USB 2.0 for Recording to USB Drive		
Supported Video Resolutions	• 1080@50p/60p(50p/60p Input, 25p/30p Precord/Output) • 1080@50i/59.94i/60i • 720p (50/59.94/60Hz) • 576i (50Hz) • 480i (59.94Hz)		
* NVS-20 is made with a Locking Power Connector			

HIGH POWER WI-FI BRIDGING UNIT
NVW-100

Datavideo NVW-100 has employed every trick in the book to produce an extreme WiFi transmitter that will truly liberate remote production crews. It really shows its mettle in combination with Datavideo NVS-20 HD streaming encoder.
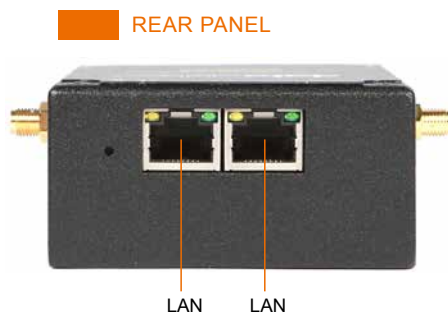
REAR PANEL

LAN   LAN

FEATURES

- Distribute video wirelessly over great distances, ideal for roaming cameras or point to point links
- Connect any network (IP) enabled devices over a high throughput long range WiFi link
- Completely transparent, devices connected to either end of the WiFi link will behave exactly as they would if they were connected directly with an Ethernet cable
- Multiple units can be used together (Point to Multipoint)
- Supports transmission speeds up to 450Mb/s
- Supports transmission distances greater than 250M with standard antennae / 10KM with external antennae
- Features ground-breaking Signal Sustain 3 technology

for unprecedented speed, range and reliability.
- Low Density Parity Check (LDPC) guards against packet loss at every point on the link to ensure glitch free transmissions even in challenging environments.
- Transmit Beamforming (TxBF) intelligently focuses transmit signals to the receiving unit to enhance the link rate and range
- Automatically adjusts transmission rates based on current conditions to maintain link stability
- Can be powered from any DC source (5-20V) or POE
- No radio licences required

wi-fi
NVW-200
Wi-Fi bridge
for up to 10KM transmission with a 19dBi directional antenna(5.8G only)

Receiving Wi-Fi(5.8G) Streaming Video

NVS-20
Receiving Wi-Fi (2.4G) Streaming Video

wi-fi
NVW-100
Wi-Fi transceiver for up to 400m transmission

NVS-20
HD Streaming Server

HS-2800

Enable your computer's WiFi to receive the transmitted video stream sent from NVW-100 & NVW-200.

DUAL RADIO HIGH POWER WI-FI BRIDGING UNIT
NVW-200

NVW-200 is where video meets IT. Its extreme WiFi functionality has a real place in video and broadcast workflows...

• Cut camera cables and send HD video over massive distances (in conjunction with Teradek Cube)
• Control studio cameras remotely without the need for Ethernet cabling
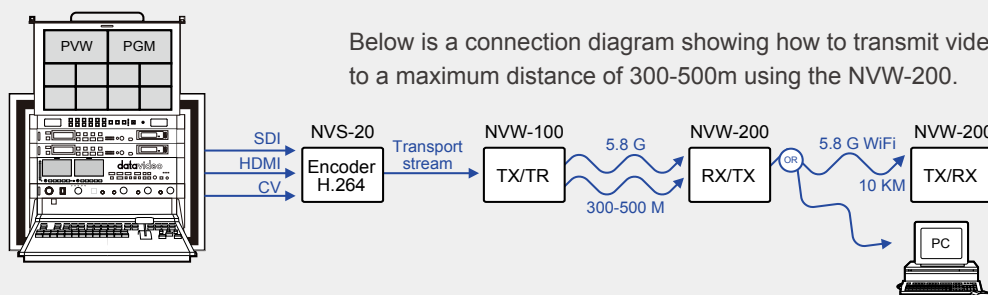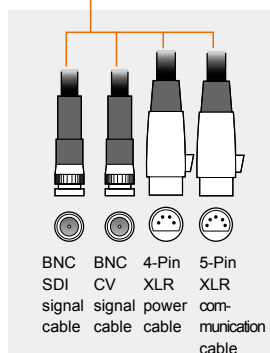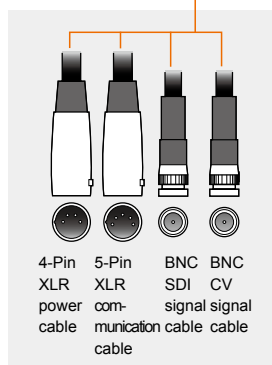• Place PTZ cameras in any location, benefiting from NVW-200 battery power supply

SIDE PANEL
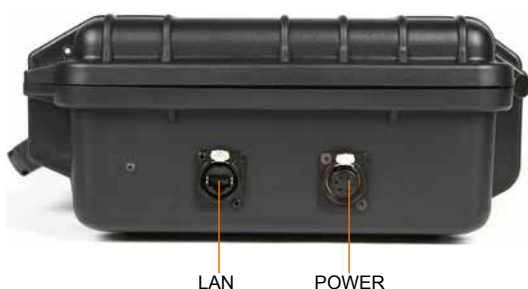
LAN   POWER

FEATURES

• Distribute video wirelessly over great distances, ideal for roaming cameras or point to point links
• Connect any network (IP) enabled devices over a high throughput long range WiFi link
• Easily extend the range of existing WiFi equipment with just one unit
• Completely transparent, devices connected to either end of the WiFi link will behave exactly as they would if they were connected directly with an Ethernet cable
• Dual radio design allows one radio to be used for the backhaul between bridging units and the other for as a local access point.
• Ideal for covering larger distances, directional antennas can be used to connect bridging units while the local access point still allows free Omni-directional roaming at each end.
• Multiple units can be used together (Point to MultiPoint)
• Supports transmission speeds up to 300Mb/s
• Supports transmission distances greater than 500M with standard antennae / up to 10KM with external antennae
• Automatically adjusts transmission rates based on current conditions to maintain link stability
• Housed in a ruggedized carry case
• Can be powered from standard v-mount batteries or POE
• XLR power output for powering external devices
• No radio licences required
• Supports the use of narrow channel widths for increased range and stability in crowded environments
• Web based site interference monitor

DIAGRAM

Below is a connection diagram showing how to transmit video via WiFi to a maximum distance of 300-500m using the NVW-200.

PVW PGM

SDI
HDMI
CV

NVS-20
Encoder H.264

Transport stream

NVW-100
TX/TR

5.8 G
300-500 M

NVW-200
RX/TX

OR

5.8 G WiFi
10 KM

NVW-200
TX/RX

PC

30M OR 50M ALL IN ONE CABLE WITH POWER
CB-22/CB-23

The Datavideo All in One Cable is an easy and convenient solutions to cabling on location, as well as in studio. Available in both 30m(CB22) or 50m (CB23) lengths.

FEATURES

- 1 x 4-pin XLR power cable
- 1 x 5-pin XLR transmission cable for intercom
- 1 x 3C-2V 75Ω for video
- 1 x 1.5C-2V 75Ω for return video
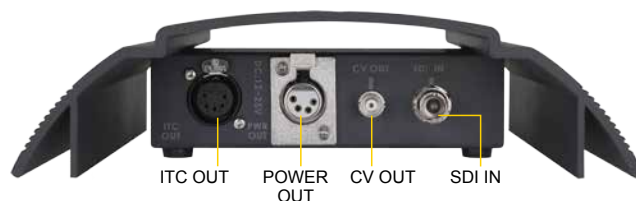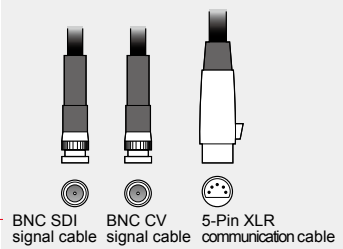- Available in 30m and 50m lengths

| 4-Pin XLR power cable | 5-Pin XLR communication cable | BNC SDI signal cable | BNC CV signal cable | | BNC SDI signal cable | BNC CV signal cable | 4-Pin XLR power cable | 5-Pin XLR communication cable |

ALL IN ONE CABLE EXTENDER
VP-605

the all in one signal repeater with composite video, power and intercom connections

FRONT VIEW

SDI OUT   CV IN   POWER IN   ITC IN

REAR VIEW

ITC OUT   POWER OUT   CV OUT   SDI IN

SETUP DIAGRAM

*UP TO 100M HD-SDI TRANSMISSION

1M
POWER
TALLY
VIDEO
VIDEO

VP-605

POWER
TALLY
VIDEO
VIDEO

50M

CB22/ CB-23
ALL IN ONE CABLE

REPEATER ONE
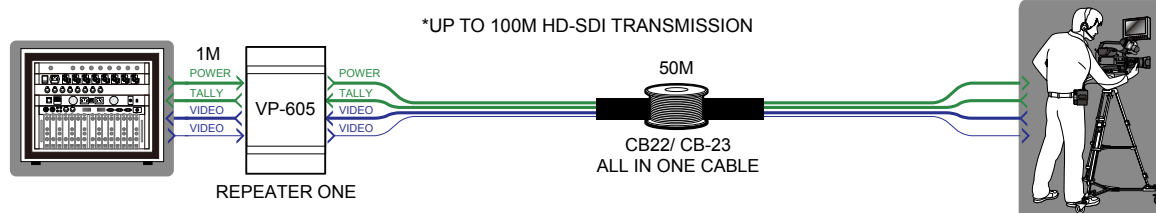
100M ALL IN ONE CABLE W/O POWER
CB-24

The 100m all in one cable is an easy and convenient solutions to cabling on location, as well as in the studio.

FEATURES

■ 1 x 5-Pin ITC/tally cable
■ 1 x SD-SDI cable
■ 1x CV cable for return video

BNC SDI signal cable   BNC CV signal cable   5-Pin XLR communication cable

SETUP DIAGRAM

RP-45   VIDEO
ITC-100   TALLY
SE-900   VIDEO

TLM-700 MONITOR
VIDEO
LOOK BACK(RETURN)

CAMERA
VIDEO

TALLY

ITC-100SL INTERCOM BELTPACK

5-Pin XLR communication cable   BNC SDI signal cable   BNC CV signal cable
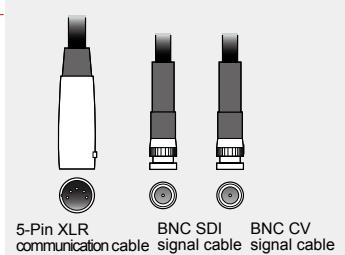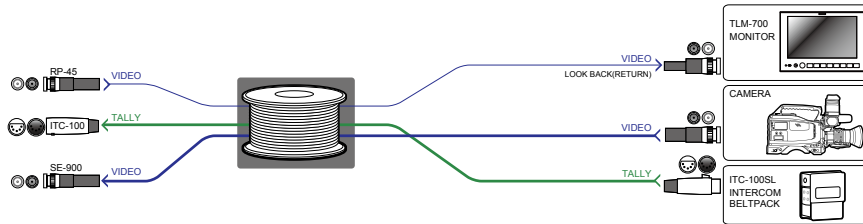
HD/SD 30M OR 50M ALL IN ONE CABLE W/O POWER
CB-30/ CB-31

CB-30/CB-31 is special designed for EFP multi-camera operation with Datavideo MCU-100/MCU-200 thru one multicore video/audio/control cable.

FEATURES

■ 1 x 5-Pin XLR ITC/Tally cable
■ 1 x HD-SDI cable for Camera
■ 1 x CV cable for return video
■ 1 x RJ-45 cable for Camera control

BNC CV   BNC SDI   5-Pin XLR   RJ-45
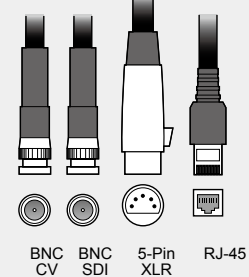
HD/SD 40M ALL IN ONE CABLE W/O POWER
CB-38

FEATURES

■ 1 x 5-Pin XLR ITC/Tally cable
■ 1 x HD-SDI cable for Camera
■ 1 x CV cable for return video
■ 1 x RJ-45 cable for Camera control

RJ-45   5-Pin XLR   BNC SDI   BNC CV

SETUP DIAGRAM

MCU-100/ MCU-200

RP-45   VIDEO
RJ-45   CONNECT MCU-100/MCU-200
ITC-100   TALLY
SE-900   VIDEO

CB-30/ CB-31
HD/SD 30m or 50m
All In One Cable w/o Power
CB-38
HD/SD 40m
All In One Cable w/o Power

VIDEO
LOOK BACK(RETURN)
AD-1
MCU Control
RS-422
VIDEO

TALLY

TLM-430 MONITOR 4.3" Look Back Monitor

CAMERA
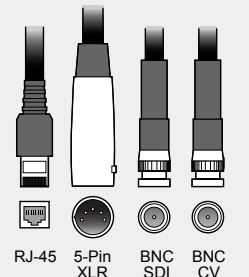
ITC-100SL INTERCOM BELTPACK
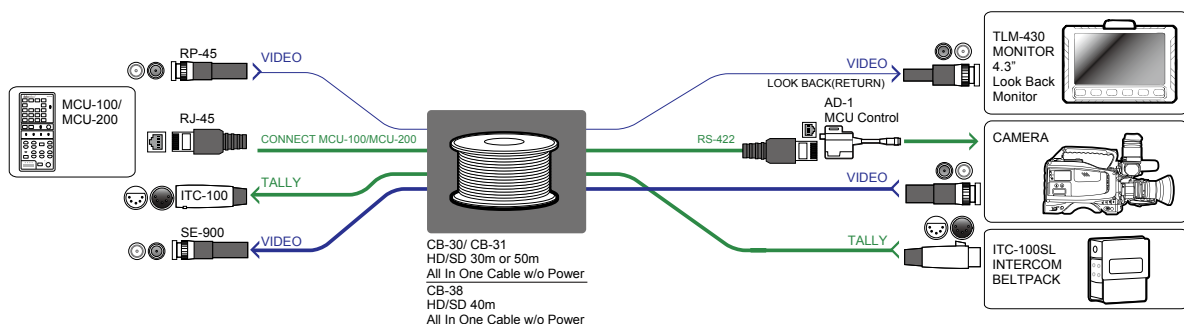
BAC-03
Balanced/ Unbalanced Audio Converter

For SE-500
RMC-150
Ethernet Remote Controller

For SE-500
TB-5
Tally Box

For ITC-100
MC-2
Gooseneck Microphone

ITC-100SL
Intercom belt pack

TD-2
Tally Light Indicator

CA64
IEEE 1394 4-Pin to 6-Pin Adapter

For ITC-100
LP-1
Gooseneck Light

MC-1
Microphone Headset

For ITC-100 Headset
CB-8
3.5mm Jack to XLR Adapter

DVM 2266
1.8m 6-Pin to 6-Pin DV Cable

CB-7
1.2m GPI Cable

CB-17
17cm 3.5mm to Dual Earphone Cable

CAD-01
Balanced to Unbalanced audio attenuator

2066
20m IEEE1394 DV Cable

DVM 2264
1.8m 6-Pin to 4-Pin DV Cable

CB-15D
0.3m IEEE 1394 Down Angle DV Cable

CB-15U
0.3m IEEE 1394 Up Angle DV Cable

1066
10m IEEE1394 DV Cable

CB-2
2 x S-Video (Y/C) Splitter Cable

CB-10
3m HD YUV Cable

CB-19
1.8m DVI-D Cable

CB-3
20m 5-Pin Intercom Cable

CB-4
50m 5-Pin Intercom Cable

CB-22/CB-23
HD/SD 30M All In One Cable with PowerCable with Power /
HD/SD 50M All In One Cable with Power

CB-24
SD 100M All In One Cable w/o Power

CB-21
1.8m DVI-I to VGA Cable

CB-20
1.8m DVI to HDMI Cable

DDC-4012
DC to DC 12/7.5V 4.0A Converter

VP-314
DV Repeater

VP-605
All In One Cable Extender

HE-1
Removable Hard drive carrier

For DN-60A
BH-07
Ball Head

VP-633
100m SDI Repeater (Powered)

VP-634
100m SDI repeater (Unpowered)

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