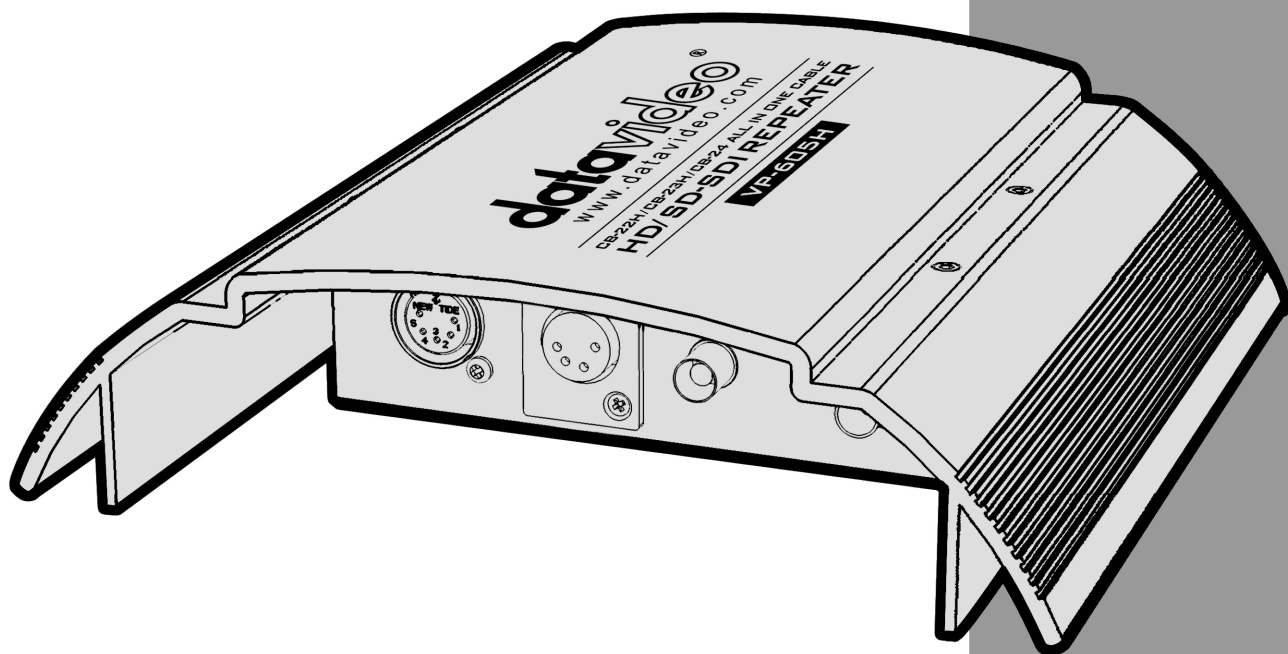


datavideo



CB-22H/ CB-23H/ CB-24
ALL IN ONE CABLE
HD/SD-SDI REPEATER
VP-605H
Quick Start Guide

www.datavideo.com

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Disclaimer of Product and Services

The information offered in this instruction manual is intended as a guide only. At all times, Datavideo Technologies will try to give correct, complete and suitable information. However, Datavideo Technologies cannot exclude that some information in this manual, from time to time, may not be correct or may be incomplete. This manual may contain typing errors, omissions or incorrect information. Datavideo Technologies always recommend that you double check the information in this document for accuracy before making any purchase decision or using the product. Datavideo Technologies is not responsible for any omissions or errors, or for any subsequent loss or damage caused by using the information contained within this manual. Further advice on the content of this manual or on the product can be obtained by contacting your local Datavideo Office or dealer.

Warnings and Precautions



Read all of these warnings and save them for later reference.

Follow all warnings and instructions marked on this unit.

Unplug this unit from the wall outlet before cleaning. Do not use liquid or aerosol cleaners.

Use a damp cloth for cleaning.

Do not use this unit in or near water.

Do not place this unit on an unstable cart, stand, or table. The unit may fall, causing serious damage.

Slots and openings on the cabinet top, back, and bottom are provided for ventilation. To ensure safe and reliable operation of this unit, and to protect it from overheating, do not block or cover these openings. Do not place this unit on a bed, sofa, rug, or similar surface, as the ventilation openings on the bottom of the cabinet will be blocked. This unit should never be placed near or over a heat register or radiator. This unit should not be placed in a built-in installation unless proper ventilation is provided.

This product should only be operated from the type of power source indicated on the marking label of the AC adapter. If you are not sure of the type of power available, consult your Datavideo dealer or your local power company.

Do not allow anything to rest on the power cord. Do not locate this unit where the power cord will be walked on, rolled over, or otherwise stressed.

If an extension cord must be used with this unit, make sure that the total of the ampere ratings on the products plugged into the extension cord do not exceed the extension cord rating.

Make sure that the total amperes of all the units that are plugged into a single wall outlet do not exceed 15 amperes.

Never push objects of any kind into this unit through the cabinet ventilation slots, as they may touch dangerous voltage points or short out parts that could result in risk of fire or electric shock. Never spill liquid of any kind onto or into this unit.

Except as specifically explained elsewhere in this manual, do not attempt to service this product yourself. Opening or removing covers that are marked "Do Not Remove" may expose you to dangerous voltage points or other risks, and will void your warranty. Refer all service issues to qualified service personnel.

Unplug this product from the wall outlet and refer to qualified service personnel under the following conditions:

When the power cord is damaged or frayed;

When liquid has spilled into the unit;

When the product has been exposed to rain or water;

When the product does not operate normally under normal operating conditions. Adjust only those controls that are covered by the operating instructions in this manual; improper adjustment of other controls may result in damage to the unit and may often require extensive work by a qualified technician to restore the unit to normal operation;

When the product has been dropped or the cabinet has been damaged;

When the product exhibits a distinct change in performance, indicating a need for service.

Warranty

Standard Warranty

- Datavideo equipment is guaranteed against any manufacturing defects for one year from the date of purchase.
- The original purchase invoice or other documentary evidence should be supplied at the time of any request for repair under warranty.
- Damage caused by accident, misuse, unauthorized repairs, sand, grit or water is not covered by this warranty.
- All mail or transportation costs including insurance are at the expense of the owner.
- All other claims of any nature are not covered.
- Cables & batteries are not covered under warranty.
- Warranty only valid within the country or region of purchase.
- Your statutory rights are not affected.

Two Year Warranty

- All Datavideo products purchased after 01-Oct.-2008 qualify for a free one year extension to the standard Warranty, providing the product is registered with Datavideo within 30 days of purchase. For information on how to register please visit www.datavideo.com or contact your local Datavideo office or authorized Distributors
- Certain parts with limited lifetime expectancy such as LCD Panels, DVD Drives, Hard Drives are only covered for the first 10,000 hours, or 1 year (whichever comes first).



Any second year warranty claims must be made to your local Datavideo office or one of its authorized Distributors before the extended warranty expires.

Disposal

For EU Customers only - WEEE Marking



This symbol on the product indicates that it should not be treated as household waste. It must be handed over to the applicable

take-back scheme for the recycling of Waste Electrical and Electronic Equipment. For more detailed information about the recycling of this product, please contact your local Datavideo office.

Packing List

The following items should be included in the box.

Item No.	Description	Quantity
1	VP-605H	1
2	Accessory kit *	1
3	Instruction Manual	1

**The accessory kit also contains a packing list.*

If any items are missing please contact your supplier.

Introduction

Datavideo VP-605H is an SD/HD-SDI All-In-One Cable Repeater for use with CB-22H, CB-23H, or CB-24 cables. When used with these cables an HD/SDI signal can be transmitted up to 100m.

Features

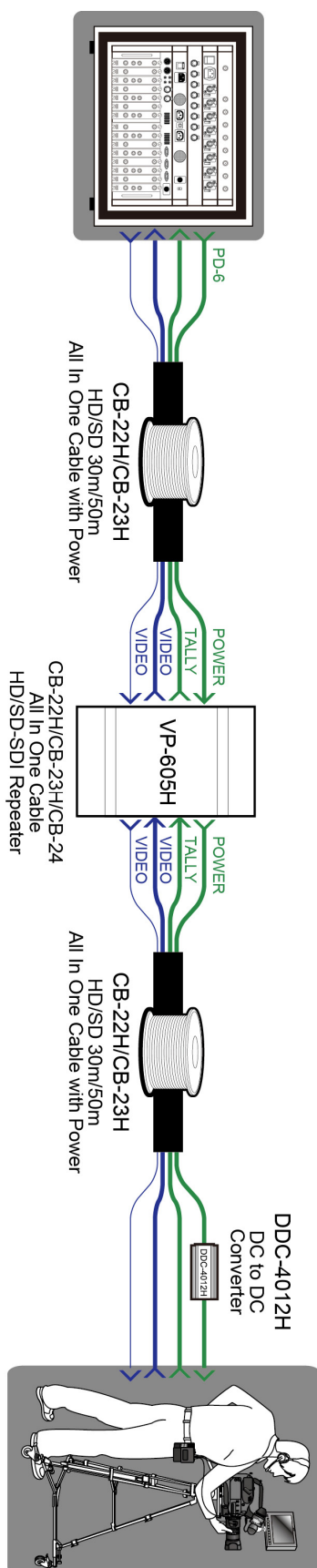
All in one signal repeater:

- SDI
- Composite video
- Power 24V~48V inputs ; power cable runs upto 100m
- Intercom connections
- Create SDI cable runs upto 100m

Long cable reach:

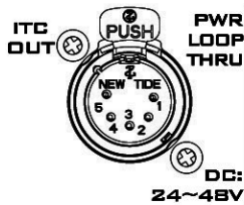
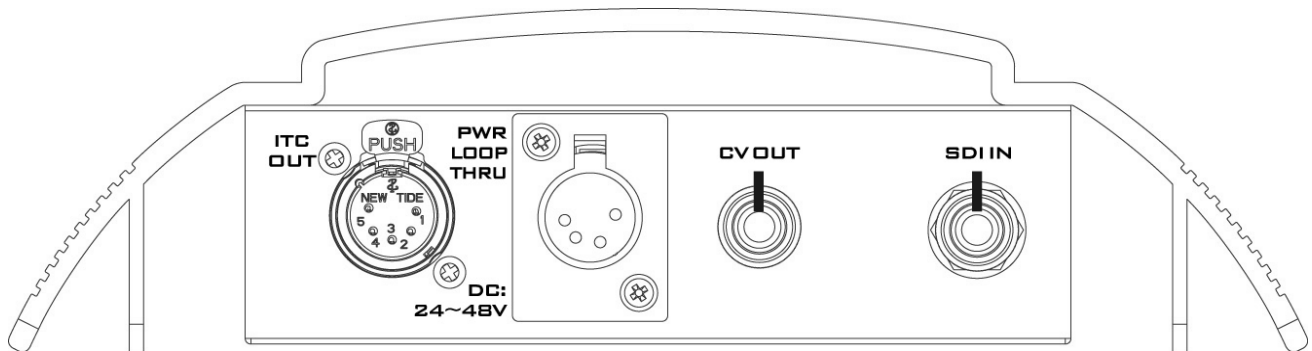
- 100m @ 1.5 Gbps (Belden1694A or Carnare 5CHD)
- 450m @ 270 Mbps (Belden1694A)
- Compatible with all SMPTE SDI data-rates
- SMPTE 259M – SDI - 143 to 360 Mbps
- SMPTE 344M – 540 Mbps
- SMPTE292M - HD-SDI – 1.485 Gbps
- 0°C to + 60°C temperature range operating

Setup Diagram



Connections & Control

Front Side



ITC OUT

Connects the VP-605H to the ITC-100SL Intercom belt pack.



PWR OUT

DC out socket connect the supplied 24V~48V PSU to this socket. The connection can be secured by screwing the outer fastening ring of the DC In plug to the socket.



CV OUT

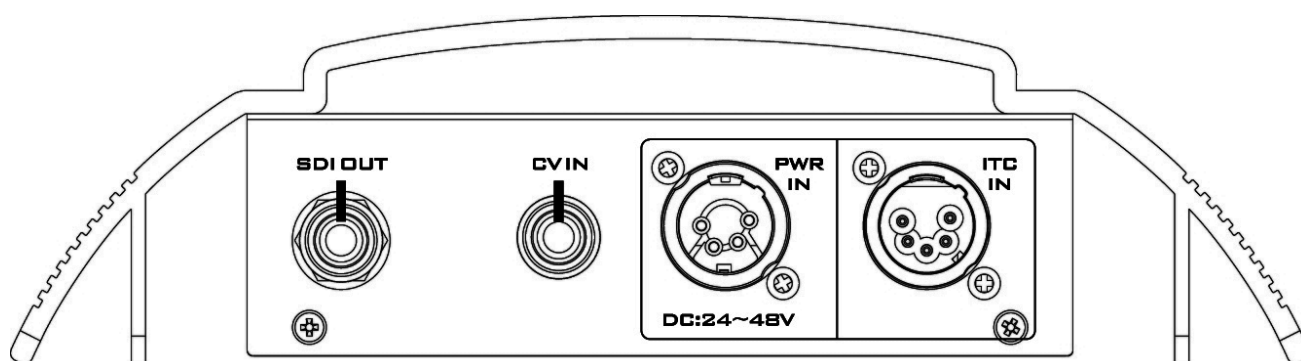
Connector for Composite Video Output.



SDI IN

BNC Connector for HD/ SD-SDI Input.

Rear Panel



SDI OUT

SDI OUT



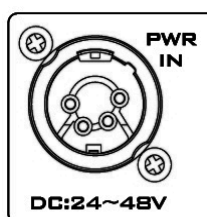
BNC Connector for HD/ SD-SDI Output.

CV IN

CV IN

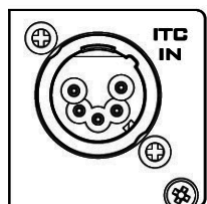


Connector for Composite Video Input.



PWR IN

DC in socket connect the supplied 24V~48V PSU to this socket. The connection can be secured by screwing the outer fastening ring of the DC In plug to the socket.

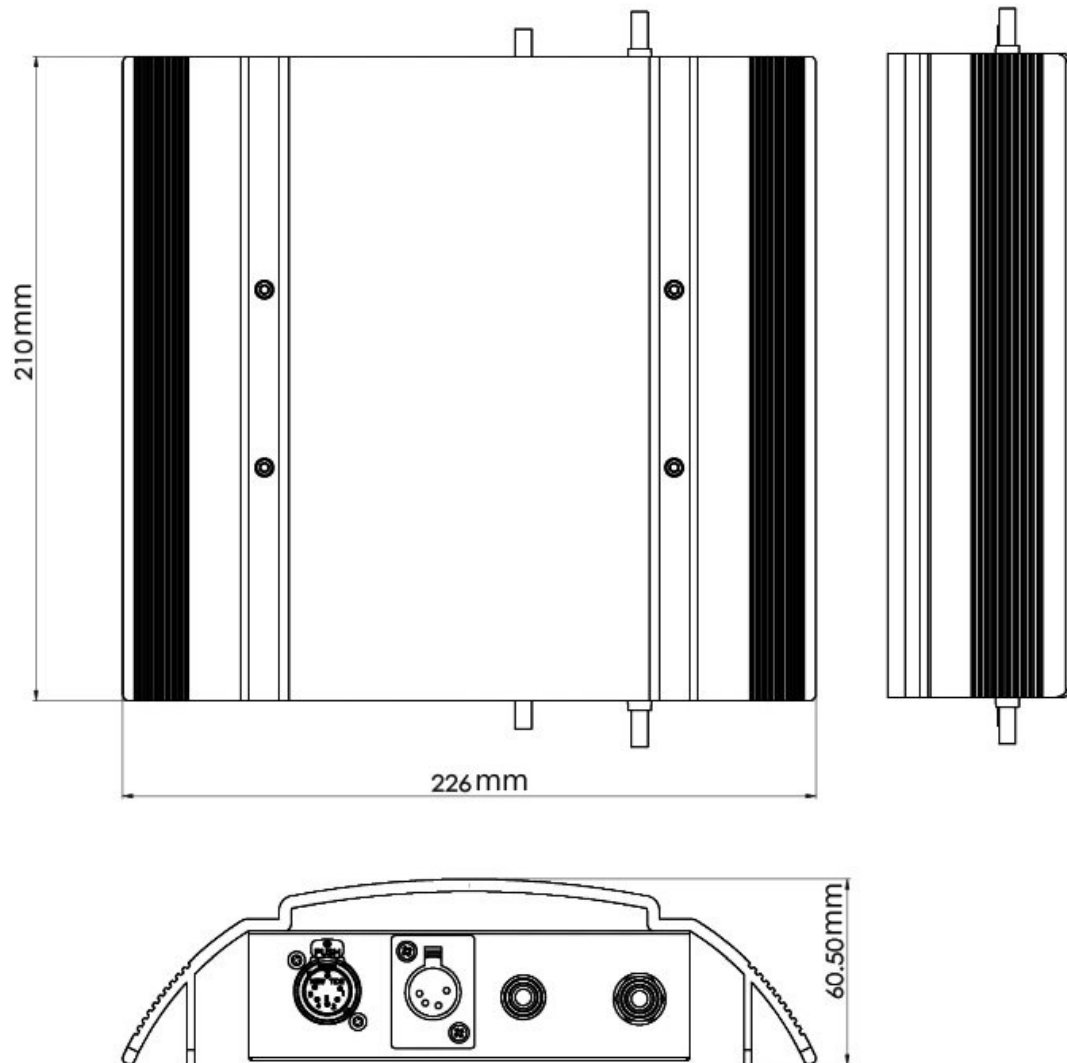


ITC IN

Connects the VP-605H to the ITC-100 Base Station.

Support Plug and Play

Dimension



Specification

Input	1.5G, HD/SD
Output	1.5G, HD/SD
Support SDI Formats:	HD-SDI (SMPTE 292M) SD-SDI (SMPTE 259M)
Support Video Formats:	HD formats - 1080P 24/25/30 , 1080i 50/60, 720P 50/60 SD formats - 625i(PAL) / 525i (NTSC)
Impedance	75 Ohm
DC In	24~48V
CV In/Out	x 1
Intercom	x 1

Typical Cable Length Performance

Data Rate	5CFB cable (M)
HD-SDI@1.485Gb/s	200M
SD-SDI@270Mb/s	200M

* Please refer to our web site www.datavideo.com for update the latest version Manual.

Service & Support

It is our goal to make owning and using Datavideo products a satisfying experience. Our support staff is available to assist you to set up and operate your system. Contact your local office for specific support requests. Plus, please visit www.datavideo.com to access our FAQ section.

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Please refer to our website for update the latest version manual.
<http://www.datavideo.com/Repeaters+and+Distribution/VP-605H>

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