



MULTI-FORMAT MULTIVIEWER WITH CASCADING AND VIDEO WALL PROCESSING CAPABILITY



Titan 9000

The Titan 9000 modular multiviewer allows monitoring of HDMI/DVI/VGA/YPbPr and SDI/CVBS sources simultaneously on single or multiple screens. Its 1RU chassis can house a variety of four field-serviceable multiviewer cards. Each card features quad-view display with WUXGA/1080p clarity, free-scaling windows, essential on-screen graphics and alarming schemes for a wide variety of applications.

Internal cascading enables individual cards to be

grouped and display up to 16 sources over a single multiviewer output. Duplicated multiview display can be simultaneously monitored from any of the grouped cards without the need for external DA.

Scalable architecture allows user to cascade multiple Titan 9000s for larger monitoring needs. With up to 10 units externally cascaded, the expanded system facilitates monitoring 150 sources on single screen, or across a 2x2 video wall with the HOB cards.

FEATURES

- 1RU chassis houses up to four independent and field-serviceable multiviewer cards
- Various cards support multi-rate SDI, CVBS, HDMI, DVI, VGA, and YPbPr source signals
- Each card features four inputs and one HDMI multiviewer output
- Internal cascade allows grouping of any 2/3/4 cards for displaying 8/12/16 sources on one screen; or duplicated onto multiple screens without external DA
- Cascading of multiple units (up to 10 units) via HDMI expands multiview display up to 160 sources
- HOB output card supports 1x2 or 2x2 video wall multiview display along with built-in HDBaseT extender for up to 100m signal transmission
- HDMI output supports embedded audio; stereo phono jack audio with delay for video sync
- HDMI® and HDCP compliant
- Dynamic software control from distance over TCP/IP; or use the built-in LCD panel for local operation
- Redundant dual DC power supply with user-definable power failure alarming scheme
- Up to 14 presets can be saved and recalled per card
- Pass MIL-STD-810G test method 514.6 for US truck under random vibration while in operation

VIDEO & AUDIO CONTROL

- Free-scaling windows (full-screen and PiP overlay display)
- Image position and RGB gain adjustment (only for VGA/YPbPr signals)
- Image cropping and panning
- Support HDMI/SDI embedded audio input
- **Audio Output**
 - HDMI/SDI embedded or stereo phono jack analog audio
- Adjustable audio delay (0 - 2700 ms)

ON-SCREEN DISPLAYS

- **Border**
 - Image border
 - Video border
- **Label**
 - BMP label
 - UMD
- **Alarm Detection**
 - Video loss
 - Audio loss/high/low/phase
 - Power failure
 - Video black/freeze (only for 3G Plus-1 card)
- Audio meter
- Digital clock/User logo
- Tally (up to 3 tallies per image window)
- **Time Code**
 - External Linear Time Code (LTC) display
 - SDI Embedded Time Code display (only for 3G Plus-1 card)
- Safe area and aspect ratio detection
- Active Format Description (AFD) and Closed Caption (CC) detection (only for 3G Plus-1 card)
- Configurable background color

ACCESSORIES

- 24V DC power adapter
- Rack mount kit with power adapter tray
- RS-485 cascading cable (optional — when purchasing 2 or more Titan 9000)

SPECIFICATIONS

CHASSIS	Up to 4 Cards in 1RU
FRONT PANEL	1 × LCD Panel
REAR PANEL	Input <ul style="list-style-type: none">1 × RJ-45 (Ethernet)1 × RJ-45 (RS-232 for TSL UMD protocol control)1 × RJ-45 (RS-485 for communication cascade input)1 × HDMI (for video cascade input)1 × BNC (LTC input) Output <ul style="list-style-type: none">1 × Stereo Phono Jack (stereo/headphone)1 × RJ-45 (RS-485 for communication cascade output)

Titan 9000 4H CARD (HDMI input)

Input	4 × HDMI (video/audio) Automatic sensing of input signals (resolution up to 1920 x 1200)
Output	1 × HDMI (video/audio) Max. Resolution <ul style="list-style-type: none">1920 × 1200 (WUXGA) @50/60 Hz1600 × 1200 (UXGA) @75 Hz

Titan 9000 2H2V CARD (HDMI/DVI/VGA/YPbPr input)

Input	2 × HDMI (video/audio) 2 × DVI-I (video; audio for HDMI mode only) Automatic sensing of input signals (resolution up to 1920 x 1200)
Output	1 × HDMI (video/audio) Max. Resolution <ul style="list-style-type: none">1920 × 1200 (WUXGA) @50/60 Hz1600 × 1200 (UXGA) @75 Hz

Titan 9000 3G Plus-1 CARD (SDI/CVBS input)

Input	4 × BNC Automatic input signal sensing of SDI (3G/HD/SD) / CVBS (NTSC/PAL)
Output	1 × BNC Resolution at 1080p and 720p @50/60 Hz 1 × HDMI (video/audio) Max. Resolution <ul style="list-style-type: none">1920 × 1200 (WUXGA) @50/60 Hz1600 × 1200 (UXGA) @75 Hz

Titan 9000 HOB CARD (video wall output)

Output	2 × DVI (video; audio for HDMI mode only) 2 × HDBaseT (video/audio) Display or extend multiview output onto 1x2 video wall; or 2x2 video wall with two HOB cards Max. Resolution <ul style="list-style-type: none">1920 × 1200 (WUXGA) @50/60 Hz1600 × 1200 (UXGA) @75 Hz1080p transmission over UTP up to 100m
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POWER REQUIREMENTS 100–240V AC / 24V DC Adapter / Max. 110 Watt

DIMENSION (L×W×H) 17.28 x 12.20 x 1.75 inch (43.90 x 31.00 x 4.44 cm)

WEIGHT 9.26 lbs (4.20 Kg)

SAFETY REGULATIONS FCC, CE, C-Tick, Class A

Specifications and data are subject to change without notice.

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Multiviewers | KVM Switchers | Wall Processors | Converters | Extenders | HDMI/SDI Switchers | Distribution Amplifiers

Phone: 425.885.3863 Toll Free: 1.877.AVITECH Fax: 425.885.4726 E-mail: sales@avitechvideo.com Website: www.avitechvideo.com
Address: 15377 NE 90th Street, Redmond, WA 98052, USA