



Abstract graphic featuring four gray squares arranged in a 2x2 grid, separated by a diagonal line. The background is a word cloud of terms related to the design and construction industry, including: CORPORATE, INDUSTRIAL, MILITARY, RESIDENTIAL, VIDEO, WALL, SCALER, PROCESSOR, HOUSE OF WORSHIP, MULTIVIEWER, CONTROL CENTER, EXTENDERS, FIBER, DIGITAL, SIGNAGE, RETAIL, EDUCATION, MEDICAL, and others. The text is oriented diagonally, matching the overall composition.

PRODUCT CATALOG

video wall & multiviewer

About Us

As a manufacturer of video processing components, Avenview serves the ProAV industry with award winning Videowall solutions and a range of video distribution products. Our philosophy is simple –give installers and integrators the tools they need to create outstanding installations and excellent end user experiences.

Our products include solutions for videowalls, multi-viewing, matrix switching, signal extension, distribution, conversion, and control. With a focus on emerging technology, our product line continues to evolve to meet the high demands of many markets; from retail digital signage and command and control centres to medical and education applications.

With offices in USA and Canada and a worldwide presence, Avenview successfully partners with distribution affiliates to deliver ProAV products around the world. We support our customers with priority service, quality products, continued innovation and product development, and we stand behind every solution with a 3 year warranty.

Market Sectors


Military


Residential


Medical


Industrial


Aviation


Corporate


Education


House Of Worship



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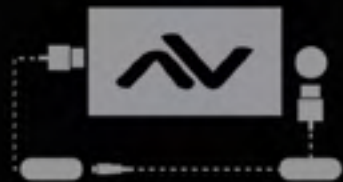


The Professional's Choice

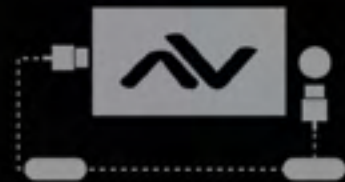
CONTROL YOUR VIDEO



SMART SWITCHERS
AUTO DETECT • DIVERSE • IP CONTROLLED



FAST FIBER
SECURE • EMI PROTECTION • LOSSLESS



EXTREME EXTENDERS
FLEXIBILITY • RESOLUTION • DISTANCE

P SERIES

- 06 • HDM2-PROWALL-T4K
- 08 • DVI-PROWALL-4X
- 08 • DVI-PROWALL-9X
- 08 • DVI-PROWALL-12X
- 10 • MLT-PROWALL-4K

Retail Applications

A well-designed video wall in a retail district can engage customers, increase product awareness & elevate sales. This can be accomplished with Avenview's P-Series video wall processors which provide a compact and cost effective solution to create superior retail video wall displays designed to deliver your message to your customers.



Through years of experience, Avenview has developed the first 4K60 input video wall processor. The **HDM2-PROWALL-T4K** provides video wall control with one (1) HDMI 4K@60Hz input to four (4) DVI/HDMI outputs. It can also be cascaded to accomodate larger video walls.



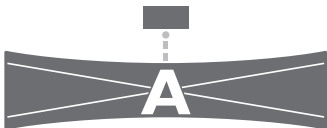
HDM2-PROWALL-T4K

4 Displays 4K60 Video Wall Processor

Compact Dynamic Solution



VIDEO WALL 2X2



PANORAMA



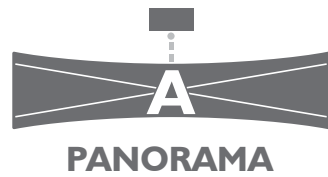
MOSAIC

Simple and Agile Video Wall Control



Proficient Expandable Control

P Series



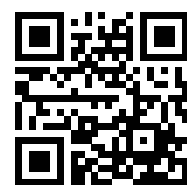
More Video Wall Control Options than Ever



DVI-PROWALL-9X

9 Display Video Wall Processor

VIEW IT ONLINE



prowall.avenview.com



The Avenview **DVI-PROWALL-9X** provides effective, easy to use, 4K ready video wall controls. With 2 inputs and modular output cards, the device can be customized to the number and type of outputs required in any installation. Rotation functions and multiple presets provide a variety of display options and agile control from any device.



IR REMOTE



RAPID FAST



ROTATION MODE

PROWALL
4K30 VIDEO WALL



DVI-PROWALL-4X

4 Display Video Wall Processor
Datasheet available in page 44



DVI-PROWALL-12X

12 Display Video Wall Processor
Datasheet available in page 45



Datasheet available in page 45

PROWALL

4K30 VIDEO WALL

P Series



The Avenview **MLT-PROWALL-4K** is engineered to deliver unparalleled performance, image quality and scalability. The unit is designed to view four outputs to a video wall in combined 4K resolution. It is equipped with pre-defined display profiles including Top Displays, Rotated (2x2 Mode), Vertical Setup (4x1 Mode), Bezel on/off, Rotated 45 Degree Mode, Vertical Donut Mode, and Rotated 45 Degree Donut Mode.



IR REMOTE



RAPID FAST



ROTATION MODE

MLT-PROWALL-4K

Multi-Input Video Wall Controller with Audio Support & Rotation

Custom Solution, Maximum Performance



DOMINO



XROSS



FLOATING

Four Output Video Wall Controller



VIEW IT ONLINE



prowall4k.avenview.com



DELIVER BETTER PRESENTATIONS

ENGAGE YOUR STUDENTS



Control Multiple HD Sources & Show Them On Any Display

Complex Multi Media presentations with separate audio and video inputs have never been easier to execute. Avenview's 10x10 matrix switcher is packed with the most advanced audio/video routing technology in its class. With discreet audio and video routing, presenters can have full control of multiple sources, allowing audio insertion, voice over, or to simply add music to an existing video source.

The latest in HDMI and HDBaseT Technology ensures that up to 10 of the highest quality, 4k@60 video sources are transmitted quickly and seamlessly to any 8 UHD displays. The system is easily controlled through 3rd party control, Web GUI, Telnet, RS-232, or IR.

SW-4KHBT2-10X10A

E SERIES

14 • MLT-EDGEPRO-2X2



Corporate Applications

The modern boardroom has now incorporated new technologies for easy communication and distribution of data. Sharing video, displaying from computer screens or teleconferencing are seamlessly integrated into boardroom equipment with Avenview's S-Series line of splitters & multiviewers. We provide solutions that are simple & effective for corporate communication in all types of boardroom installations.

Custom Edge Blending Solution

E Series



IRREGULAR
CURVED DISPLAY



CYLINDRICAL
CURVED SCREEN



L SHAPE DISPLAY
EDGE BLENDING

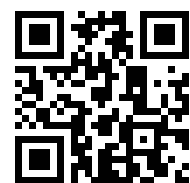
Multi-Input Support, Edge Blending, Irregular Video Wall, Passive 3D Support



MLT-EDGEPRO-2X2

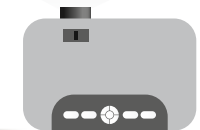
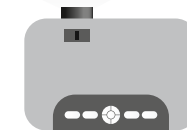
4K Curved Screen Edge Blender

VIEW IT ONLINE



edgepro.avenview.com

EDGEPRO
4K EDGE BLENDING SOLUTION



Create a seamless, unified image of any size and shape using 2 or more projectors with the Avenview **MLT-EDGEPRO-2X2**. This multi format input, dual output processor is designed for advanced edge blending, image warping, image stacking, projection mapping, irregular video walls, passive 3D and more.

Designed with the end user and installer in mind, the Edgepro provides easy configuration and control through three methods: IR Control, Edgepro Software Controller, or the Front Panel buttons.



IR REMOTE



WIRELESS ROUTER



AUDIO READY



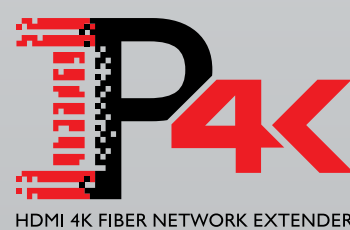
MEET THE IP FAMILY

Long Distance, Incredible Resolution



There is no doubt that user behavior is changing, and multi-media content is being delivered and consumed in an increased variety of ways. Traditional media is changing to a more online, streamed and distributed format. This has led to increased network traffic, and as a result, more demand for efficient and effective media transmission.

The Avenview IP Family; the IPX and the IP4K products, address this problem and provide a TCP/IP based solution that is stream lined, effective, fast, and easy to use. For unprecedented distance, speed, and high quality transmission, The IP Family is an outstanding solution.



HDM-C6IPX-SET | HDM-C6IPX-SP8 | FO-HDM-IP4K-SET

S SERIES

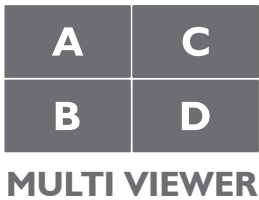
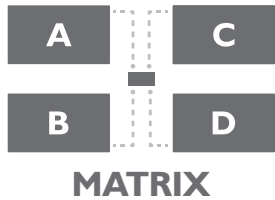
18 • HDM-SWITCHPRO-VW4
20 • HDM2-SPLITPRO-T4K
22 • DVI-SPLITPRO-2X

Residential Applications

Advanced networks and centralized media setups are becoming more common in homes and residences. Avenview's S-Series line of splitters, switches and multiviewers provide high level control that allows homeowners to enjoy multiple screens, an array of sources, and easy control. With compact design and accessible price, the S-Series provides an excellent solution to any residential application.

All-in-One Versatility

S Series



Multiple Functions for Multiple Applications



HDM-SWITCHPRO-VW4

4X4 HDMI Matrix Switcher

VIEW IT ONLINE

switchpro.avenview.com



The Avenview **HDM-SWITCHPRO-VW4** is a user friendly, powerful, multi function video processor, providing multiviewer, matrix and video wall functions. Take advantage of the flexibility of 4 separate digital inputs and either switching, splitting or spreading them over 4 screens as a video wall. With this compact and easy to use unit, customers can create powerful multimedia installations in multiple scenarios.





Achieve seamless integration of 4 video sources combined onto one 4K screen with the Avenview **HDM2-SPLITPRO-T4K**. Take up to 4 HDMI input sources and display all 4 onto a single 4K monitor. The processing power of this device gives users more control than ever; manipulate each signal to allow seamless switching between sources, fade in or out, zoom in or out, or choose any size and position for each image.



IR REMOTE



ROTATION MODE

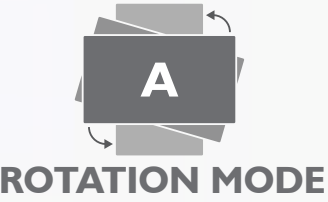


AUDIO READY

HDM2-SPLITPRO-T4K

4XI HDMI Quad MultiViewer

4 Sources, One Screen



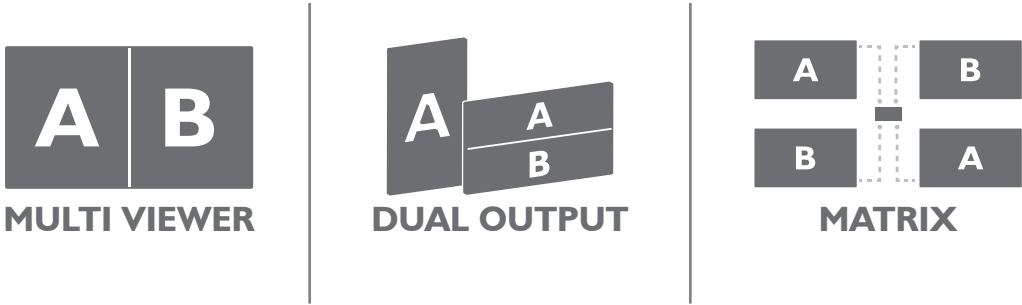
Powerful Processing to View 4 Signals, Seamlessly



splitprot4k.avenview.com

2 Inputs, 2 Outputs: Immense Possibilities

S Series



Rotation, Scalability and Fast Processing



DVI-SPLITPRO-2X

Advanced Dual Screen Multi Viewer

VIEW IT ONLINE

splitpro.avenview.com



The Avenview **DVI-SPLITPRO-2X** is the ideal solution for any application where two video signals need to be combined onto one screen. It is the first device of its kind that provides 2 inputs as well as 2 outputs and also features rotation and a built in scaler. Equipped with many built in features, including the ability to change the size and position of sources on a display, the **DVI-SPLITPRO-2X** is the most advanced dual multi-viewer on the market.

- IR REMOTE
- LAN SUPPORT
- AUDIO READY



HIGH LEVEL VIDEO WALL CONTROL DESIGNED & BUILT FOR YOU!



X SERIES

26 • HDM-AVXWALL

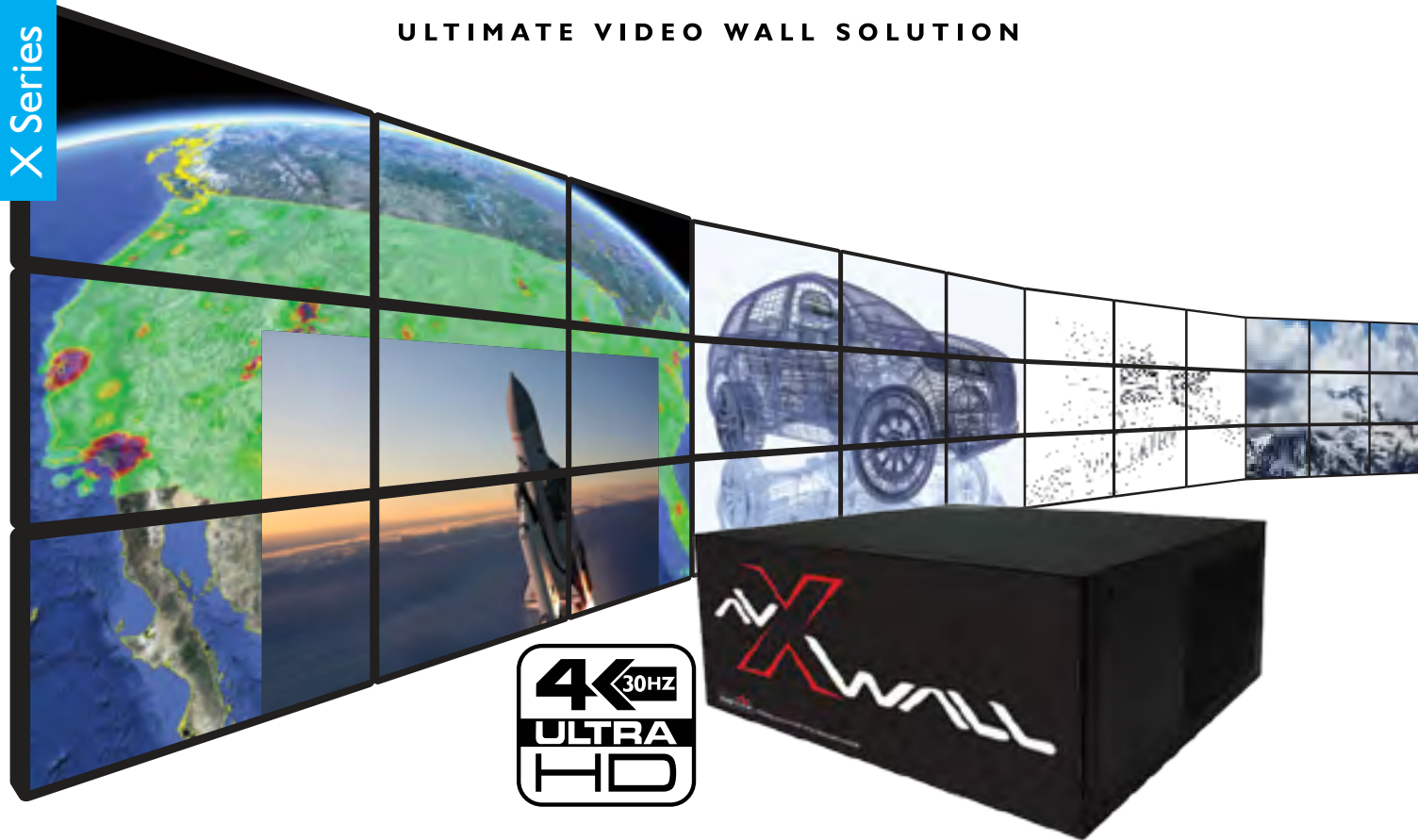


Event and Concert Applications

The large event and venue Pro AV market is growing on pace with the overall pro AV market, making it another area that is demanding more technology and high level processing equipment. Concert venues, sports arenas and other large-scale events are just that – large. Audiences expect big impact, large screens and a ‘wow’ factor more than ever before. Installations require complex design solutions that are capable of fast processing and can perform complex functions. Avenview’s X series of video wall processors fit the bill - They are FPGA card based modular devices capable of high demand, fast processing and reliable performance.



X Series



Developed to be flexible, scalable and customizable, the AVXWALL is the ultimate video wall solution that can be customized for any project, whether simple or highly complex. The **HDM-AVXWALL** is a modular chassis based 4K processor with first in its class FPGA and industry recognized video processors built into the hardware design. This device provides high-level, stable video wall control and features modular I/O cards, multiple video wall control, IP media stream decoding, advanced software control and much more.



FPGA READY



RAPID FAST



DRAG & DROP

HDM-AVXWALL

Multi Input 4K Video Wall Controller Chassis Based

The Ultimate Video Wall Processor



VIDEO WALL 3X3



VIDEO WALL 4X4



VIDEO WALL 8X8

Fast, Flexible, Reliable



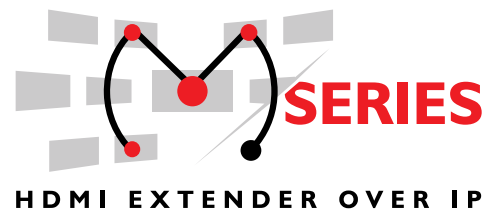
VIEW IT ONLINE



avxwall.com

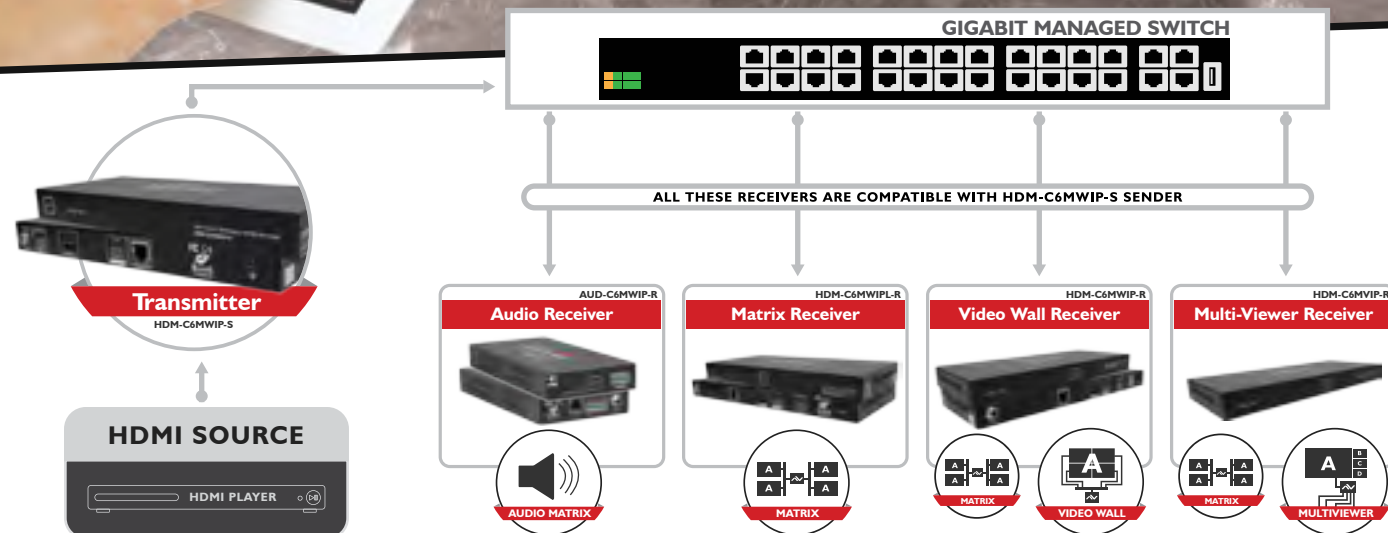
Datasheet available in page 51

H.264
MPEG-4/AVC



THE VIDEO DISTRIBUTION REVOLUTION

FLEXIBLE | SCALABLE | ECONOMICAL | FAST | RELIABLE



M SERIES

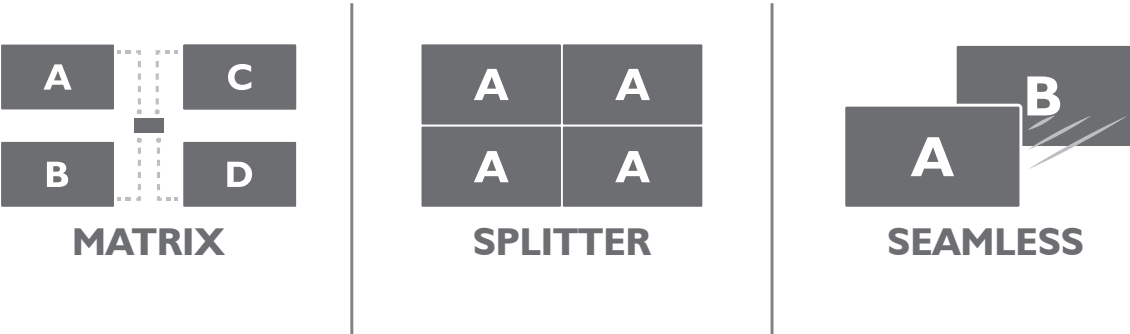
- 30 • HDM-C6MWIPL-R
- 32 • HDM-C6MWIP-R
- 34 • HDM-C6MVIP-R

Educational Application

Digital Signage can be a great addition to any educational space. With large numbers of people in these environments at one time, digital signage can provide up to date, engaging and interesting information. Digital displays in educational sectors can provide information on events, way-finding information, announcements, or can even broadcast the services throughout the facility. Avenview's M-Series provide a cost effective, flexible and modular solution to extend digital signs throughout educational facility.

Robust & Scalable Video Extension Over IP

M Series



Fast, Effective, Low Bandwidth



HDM-C6MWIPL-R

Matrix IP Receiver Over CATX

VIEW IT ONLINE

mseries.avenview.com

SERIES HDMI EXTENDER OVER IP



The Avenview M Series combines transmitting encoders and receiving decoders on the same network to transmit high quality, low bandwidth Audio and Video content. Use the **HDM-C6MWIPL-R** receiver to create a matrix of multiple sources to multiple displays. Modular design allows multiple uses and customized installations with full control from an iPad or other mobile device. Video is streamed and decoded live using H.264 video encoding, which ensures high quality and low bandwidth.



M SERIES

HDMI EXTENDER OVER IP

M Series



The Avenview **HDM-C6MWIP-R** is the next upgrade from the MXIPL Receiver. Maintaining high quality video extension over IP using H.264 video encoding, the MWIP SET also can create a video wall with full control from a PC or iPad.



WEB GUI



IPAD APP

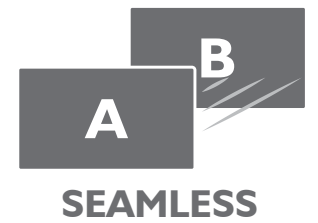
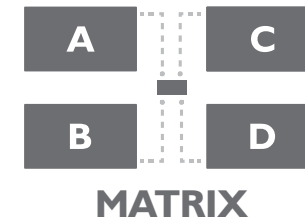


AUDIO READY

HDM-C6MWIP-R

Video Wall IP Receiver Over CATX

Video Over IP with Video Wall



Modular, Flexible, Effective



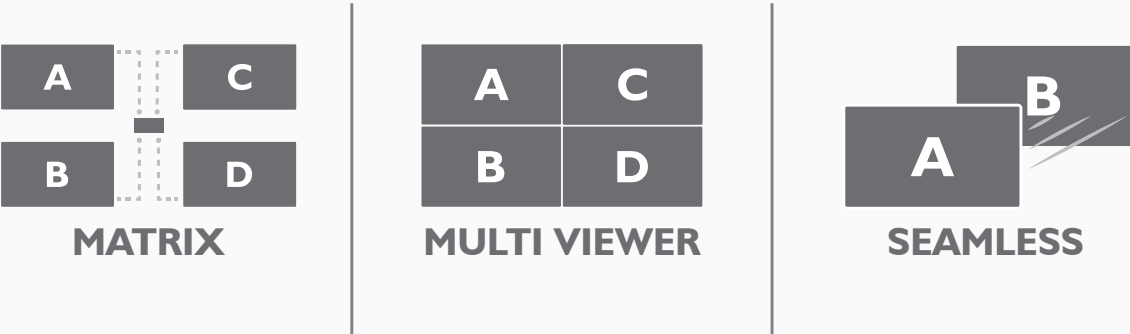
VIEW IT ONLINE



mseries.avenview.com

Multifunction, Modular Video Over IP

M Series



Seamless Multi-Viewer and Switcher



HDM-C6MVIP-R

Multi Viewer IP Receiver Over CATX

VIEW IT ONLINE

mseries.avenview.com

SERIES

HDMI EXTENDER OVER IP



The multi function **HDM-C6MVIP-R** receiver provides a full range of functions required by any video display installation. Extend high quality, low bandwidth, H.264 video over IP with added functions of creating a video matrix, video wall or multi-viewer, all with full control from a computer, iPad, or mobile device.

WEB GUI

IPAD APP

AUDIO READY

Consumer's Choice

Smart Living, Effective Integrations



ENJOY EVERY MOMENT IN TRUE 4K@60

SPLIT-HDM2-T4K-2 | SPLIT-HDM2-T4K-4 | SPLIT-HDM2-T4K-8



Full HD USB 3.0
Video Capture
C-HDM-USB3



5G Wireless
HDMI Extender
W-HD3DIR-50M



4X1 Slim Profile
4K@60 Switcher
SW-HDM2-LT4K-4X1

A SERIES

38 • HDM2-APEX4K-SET

Security Applications

Personnel that monitor security control centers are required to make decisions quickly based on information they observe. These decisions can be critical decisions in an emergency or security breach situation and can potentially lead to serious consequences. A system that clearly displays and controls security camera feeds is essential to providing this information. The system must be reliable, easy to use, and have fast response time for switching video feeds or video layouts. Personnel must be able to handle all video feeds quickly and confidently in order to make decisions and react to any potential security or emergency situation. The Avenview A series provides high level and reliable control required in extreme or mission critical environments.

APEX4K

CONTROL YOUR VIDEO OVER IP

A Series



UNCOMPRESSED 4K RESOLUTION



The Avenview's **HDM2-APEX4K-SET** provides unparalleled quality and resolution to installations that require 4K content extended to multiple screens, split screens or a video wall. The Avenview's **HDM2-APEX4K-SET** is designed around the award winning BlueRiver NT+ chip from AptoVision. It is the world's first and only chipset to enable the extension, switching and compositing of real-time, uncompressed Ultra-HD signals with zero-frame latency over off-the-shelf 10Gb Ethernet switches.



PC CONTROL



LAN SUPPORT

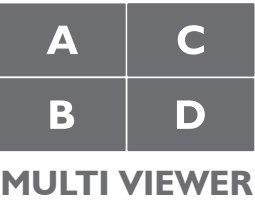
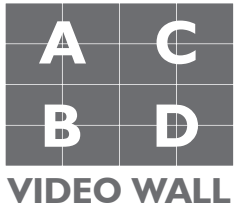
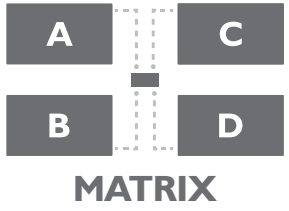


AUDIO READY

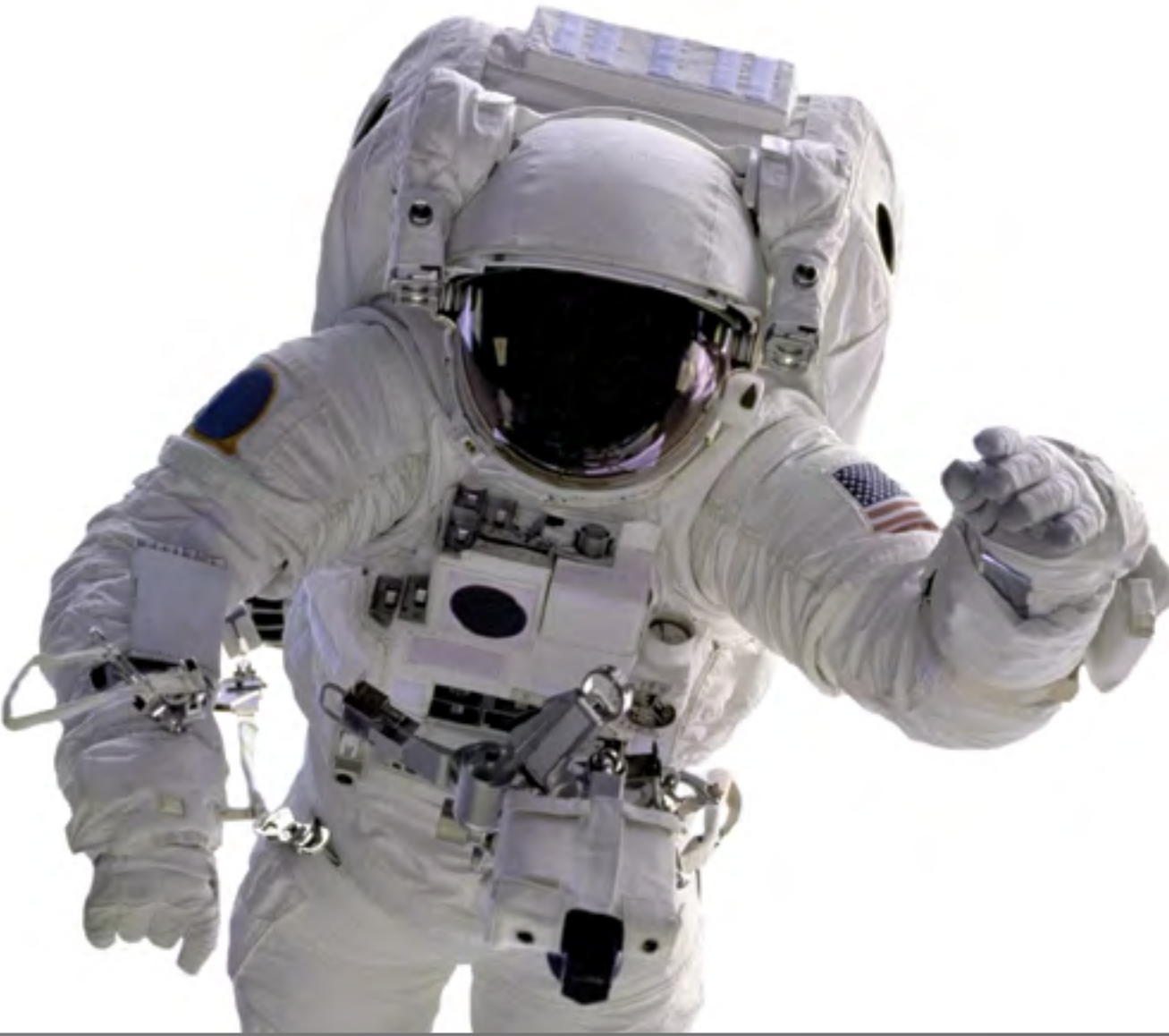
HDM2-APEX4K-SET

HDMI 4K IP Extender Over CATX

Uncompressed 4K Over IP



High Quality, Reliable, Full Resolution



VIEW IT ONLINE



apex4k.com

DIGITAL SIGNAGE PLAYERS

MP-1080HDM | MP-1080HDMVL | MP-4KHDM

D SERIES

- 41 • MP-1080HDM
- 41 • MP-1080HDMVL
- 41 • MP-4KHDM



Hospitality – Restaurants and Lounges

Restaurants and lounges have adopted digital signage in recent years to great success in increased sales and customer satisfaction. Menu boards, advertising, displayed nutritional information or televised entertainment can be displayed in engaging ways in order to inform and entertain clientele. Avenview's D-Series allows information to be created and easily updated, changed or customized to appeal to target audiences on a daily basis or as often as needed.

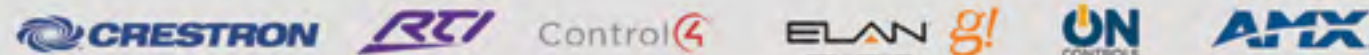


Turn any display into a powerful marketing tool and use it to entertain, engage and inform. The AVSignPro is capable of managing and displaying menu boards, hospitality screens, retail displays, campus signage, corporate communications and more.



AUTOMATE & INTEGRATE

CONTROL DRIVERS FOR OUR PRODUCTS



The Avenview Wall-Plate Control System box is designed for system installers and the smart home user. The 8 buttons can each be programmed with up to 8 macro commands to allow a complex command series to be executed with one touch. Eight commands can also be programmed into the WebGUI to allow easy control from any device. Fully compatible with Avenview products and multiple control systems, users have unlimited possibilities for automation and integration.

KPD-TCP1US-8

HDM2-PROWALL-T4K

4 Displays 4K Videowall Processor with Audio Support and Rotation

4K VIDEO WALL PROCESSOR



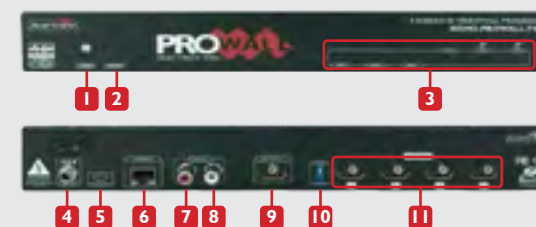
KEY FEATURES

- Four DVI/HDMI outputs from 640x480 to 1920x1080, 1920x1200;
- Supports HDMI/DVI input, from 640x480 to 1920x1080@60, UHD 4K@60 4:4:4, interlaced or progressive;
- HDCP compliant (HDCP 2.2 input/HDCP 1.4 output);
- Several image parameters and layouts can be saved in computers and can be loaded for later use;
- Firmware upgradable for new features and technology enhancements;
- Supports IR remote control;
- Supports input rotation at 1080p resolution only;
- Software control through USB and Ethernet;
- Resize, position and zoom output video;
- User-selectable output settings, up to 1920x1080, 1920x1200;
- Supports UHD 4K@60 input with layout only in 2x2 mode;
- Supports cascading through software multiple units 3x3 mode;
- Each DVI/HDMI output has an independent controllable display area;
- Supports remote control to switch 1x1, 2x2, 1x3 rotate, and 1x4 rotate mode;
- Each output can support OSD control for edge correction;
- Compact size.

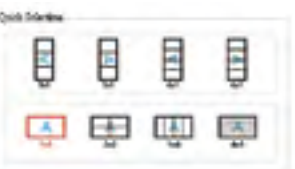
MECHANICAL SPECIFICATIONS

Housing	Metal Case
Dimensions / Net Weight	11.3" x 7" x 1.7" / 3.2lbs
Fixedness	IU rack-mount with ears and wall holes
Power Supply	12V 5A DC / 110-240V
Power Consumption	7.6W
Operating Temperature	0~40°C [32~104°F]
Storage Temperature Relative	20~60°C [-4~140°F]
Humidity	20-90% RH [No Condensation]

PANEL DESCRIPTION



- | | |
|---------------------------|---------------------------|
| 1 IR Sensor | 2 Power Status |
| 3 Control Buttons | 4 Power Jack |
| 5 USB Virtual COM | 6 Ethernet |
| 7 Stereo Audio Output - L | 8 Stereo Audio Output - R |
| 9 Input | 10 DIP Switch |
| 11 Output 1-4 | |



ITEM

SPECIFICATION

Description	4 Screen 4K video Wall Processor
Output Displays	4 Display 640 x 480 to 1920 x 1080 / PC Resolution 1920 x 1200
Video Support	Input: 4K2K@60 (4:2:0 10bits) / 4K2K@60 (4:4:4 8bits) Output: 1920x1080@60 / 1920x1200@60
Video Format Support	HDMI/DVI
Video Loop Out	No
HDCP Video Compliance	Yes
Video Bandwidth	Input - Single link 600MHz [18Gbps] Output - DVI [Single-link 4.95Gbps] / HDMI[2.25G to 6.75Gbps]
Input	1x DVI-D + 1x USB + 1xRJ45
Output	4x DVI-D + 1x L/R RCA Stereo
Audio Support	Yes only when using HDMI source device
Input TMDS Signal	1.2 Volts [peak-to-peak]
ESD Protection	Human body model $\pm 19kV$ [air-gap discharge] & $\pm 12kV$ [contact discharge]
PCB Stack-Up	8-layer board [impedance control - differential 100 Ω ; single 50 Ω]
DVI Connector	DVI-D [29-pin female, digital only]
Control	IR remote control / Ethernet / USB (virtual com) / Front Panel
USB Connector	Type A
RJ45 Connector	WE/SS 8P8C



VIDEO WALL VIDEO PROCESSORS
MULTIVIEWERS DIGITAL SIGNAGE
EXTENDERS CONTROL CENTERS
SCALERS WIRELESS



Toll Free 1.866.508.0269 | sales@avenview.com

DVI-PROWALL-4X

4 Display Video Wall Processor
with Audio Support and Rotation



VIDEO WALL PROCESSOR

KEY FEATURES

- 4 DVI/HDMI outputs (640x480 to 1920x1200)
- Supports HDMI/DVI input (640x480 to 1920x1200@60 i/p)
- Supports 1080p/WUXGA
- Auto save image parameters and layouts
- Upgradeable Firmware
- Supports IR remote control
- Software control through USB and Ethernet
- Supports input rotation, resize, position, zoom output video
- User-selectable output settings, upto 1920x1200
- Each DVI/HDMI output has an independent controllable display area
- Supports remote control to switch: 1x1, 2x2, 1x3 rotate, and 1x4 rotate mode



MECHANICAL SPECIFICATIONS

Housing	Metal Case
Dimensions / Net Weight	11.3" x 7" x 1.7" / 5.733lbs
Fixedness	IU rack-mount with ears and wall holes 2v
Power Supply	12V 5A DC / 110-240V
Power Consumption	7.6W
Operating Temperature	0~40°C [32~104°F]
Storage Temperature Relative	20~60°C [-4~140°F]
Humidity	20-90% RH [No Condensation]

PANEL DESCRIPTION



- | | |
|---------------------------|---------------------------|
| 1 IR Sensor | 2 Power Status |
| 3 Control Buttons | 4 DC Power Jack |
| 5 USB Virtual COM | 6 Ethernet |
| 7 Stereo Audio Output - L | 8 Stereo Audio Output - R |
| 9 Input | 10 Output 1-4 |



VIDEO WALL VIDEO PROCESSORS
MULTIVIEWERS DIGITAL SIGNAGE
EXTENDERS CONTROL CENTERS
SCALERS WIRELESS

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DVI-PROWALL-9X

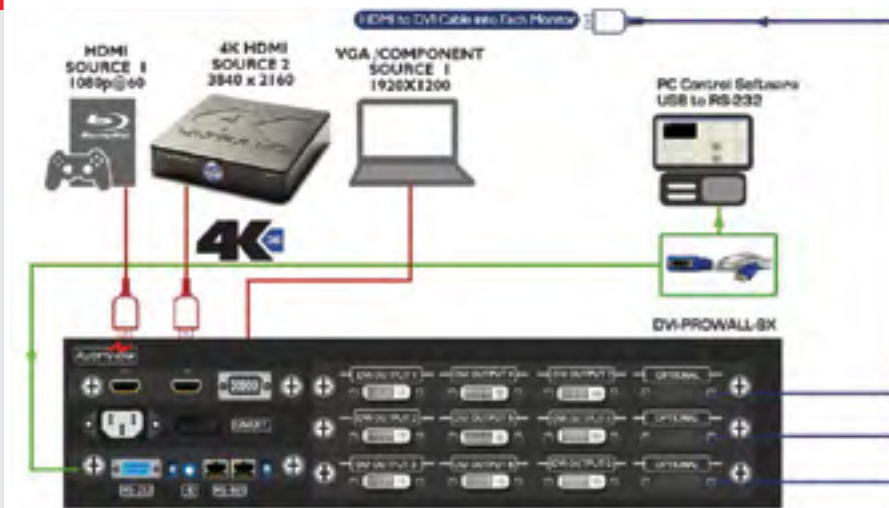
9 Screen Video Wall Controller with 4K Input-
Modular and expandable up to 12 Screens



VIDEO WALL PROCESSOR

KEY FEATURES

- Nine DVI outputs (support up to 12) at Full HD 1080p;
- One HDMI input supports up to 4K2K@30;
- One HDMI/VGA/Component input support up to 1080p@60;
- Advanced video de-interlace for improving 480i and 576i SD video input;
- PIP, PAP and full screen input models with the flexibility to adjust size and position using controller software;
- Resize, position, flip, and zoom output video with the ability to rotate screen 90 degrees left and right;
- Multi-purpose controller perfect for video screen splitting video converting and video switching;
- Independently control DVI output(s) using controller software;
- Image parameter layouts auto save on flash memory;
- Software controller through RS232 and Ethernet;
- Upgradable firmware.



MECHANICAL SPECIFICATIONS

Housing	Metal Case
Dimensions / Net Weight	TBA
Fixedness	2.5 RU Rack Mount with Ears AC Power
Power Supply	110-240V
Power Consumption	TBA
Operating Temperature	0~35°C [35~95°F]
Storage Temperature Relative	20~60°C [-4~140°F]
Humidity	20~90% RH [No Condensation]

PANEL DESCRIPTION



- | | |
|--------------------------|-----------------------|
| 1 AC Power | 2 Video Input |
| 3 Video Input: VGA/DVI | 4 Power Switch |
| 5 RS 232: Device Control | 6 Device ID |
| 7 RS 485: Cascade Mode | 8 Dip Switch |
| 9 DVI/HDMI Output Ports | 10 Optional Expansion |



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MLT-PROWALL-4K

Multi-Input Video Wall Controller
with Audio Support and Rotation

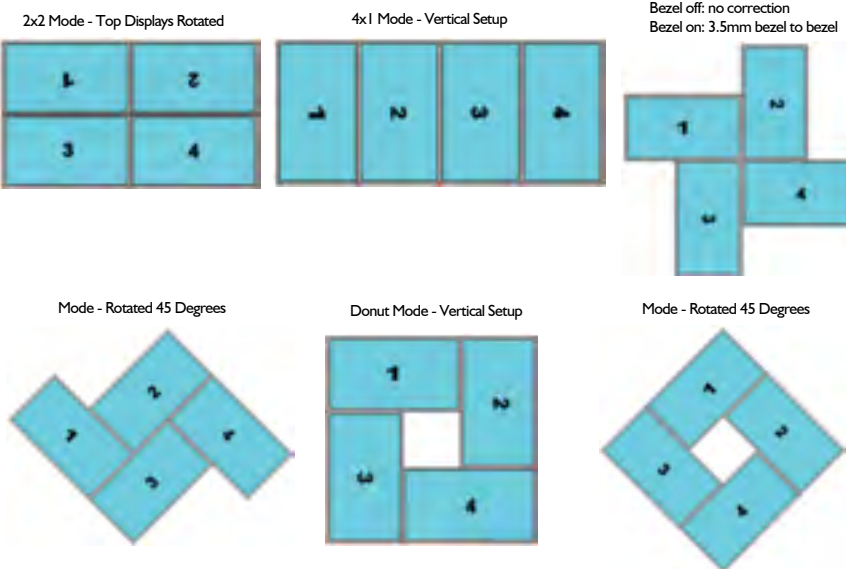


VIDEO WALL CONTROLLER

KEY FEATURES

- Four Output Video Wall Controller;
- 1080P output resolution on each port;
- Supports 4K/2K Input resolution with no compression;
- Pre-defined display profiles;
- Selectable preset bezel correction;
- PIP/POP function;
- Front panel DIP Switch selections, no PC required;
- Controlled through RS 232 or IR remote;
- HDMI Loop out port for daisy chain connection;
- Cascade with multiple MLT-PROWALL-4K for expansion;
- Switching between single content or multiple contents by RS232;
- Supports display flipping and rotation;
- Bezel Compensation;
- 256 Display Presets.

PRESET EXAMPLES



Hundreds of preset display modes

ITEM	SPECIFICATION
Description	Video Wall Controller
Output Displays	DVI/HDMI/DP (640 x 480 to 1920 x 1080 resolutions)
Input Support	4X HDMI
Output Support	1x DVI-I + 1x HDMI + 1xDP
Video Loop Out	Yes
HDCP Video Compliance	Yes
Input Video Resolution	Support 4k/2k @30Hz, 1080p @120Hz, 2560x1600 / 3840x1080 @60Hz input with 4:4:4 sampling
Output Video Resolution	Support 4k/2k @30Hz (Combined screens), 1080p @120Hz, 2560x1600 / 3840x1080 @60Hz input with 4:4:4 sampling
Audio Support	HDMI Audio
Image Rotation	Yes. 90 / 180 / 270 Degrees
Control	IR Remote, RS 232, DIP Switches, Ethernet (optional external)
Preset Configuration	Up to 256 Preset Display modes
Bezel Compensation	Yes



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EXTENDERS CONTROL CENTERS
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MLT-EDGEPRO-2X2

2 OUTPUTS CURVED SCREEN
EDGE BLENDER



4K CURVED SCREEN BLENDER

KEY FEATURES

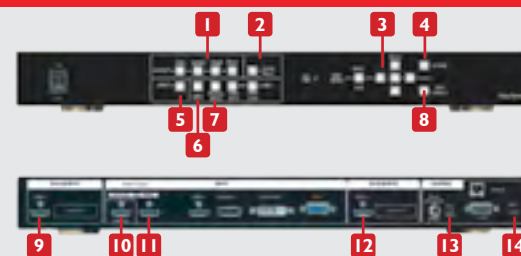
- Two outputs advanced curved screen edge blending processor;
- Five multi-input formats supporting resolutions up to 4K@30;
- Image warping, stacking, projection mapping, irregular video wall and passive 3D features;
- Embedded advanced warp technology;
- Sophisticated geometry alignment up to 17x17 grids;
- Independent color adjustment for each connected projector;
- Advanced overlapped area color correction;
- HDMI Loop out for daisy chain connection;
- Multiple cascaded devices produce a single large displayed image;
- Multi control options using front panel keypads, IR and PC control software;
- 10 bit 4:4:4 full sampling processing;
- Video wall function with PIP, zoom, pan, overlap features;
- Selectable EDID menu.



MECHANICAL SPECIFICATIONS

Housing	Metal Case
Dimensions (L x W x H)	17.3" x 7.4" x 1.7"
Net Weight	5.18 lbs
Power Supply	12V 3A DC / 110-240V
Power Consumption	TBA
Operating Temperature	0~40°C [32~104°F]
Storage Temperature Relative	20~60°C [-4~140°F]
Humidity	20-90% RH [No Condensation]

PANEL DESCRIPTION



- | | | |
|--------------------------|--------------------------|----------------------|
| 1 Output Type Selection | 2 Geometry Alignment | 3 OSD Keypads |
| 4 Output Port Selection | 5 Input Selection | 6 System Information |
| 7 Display Mode Selection | 8 Test Pattern Key | 9 HDMI-A Output |
| 10 HDMI Loop out | 11 Loop out Source Input | 12 HDMI-B Output |
| 13 IR Extender | 14 PC Tool Connection | |



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MECHANICAL SPECIFICATIONS

Housing	Metal Case
Dimensions	12" x 6.2" x 1.3"
Net Weight	5.733lbs
Power Supply	12V 3.33A DC / 110-240V
Power Consumption	TBA
Operating Temperature	0~40°C [32~104°F]
Storage Temperature Relative	20~60°C [-4~140°F]
Humidity	20-90% RH [No Condensation]

PANEL DESCRIPTION



- | | |
|-----------------------------|-----------------------|
| 1 Main Input Selection | 2 PIP Input Selection |
| 3 Bezel Settings | 4 PIP/POP Settings |
| 5 Display Profile Selection | 6 Output Interfaces |
| 7 HDMI Loop Out | 8 Input Interfaces |
| 9 RS 232 | 10 IR Extender |
| 11 Power Jack | |



HDM-SWITCHPRO-VW4

Advanced Dual Screen Multiviewer Matrix

VIDEO WALL PROCESSOR



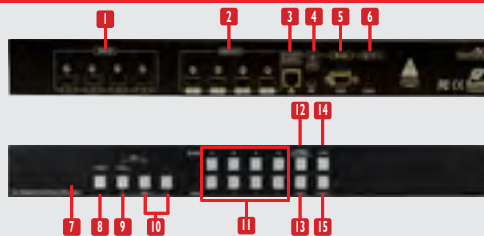
KEY FEATURES

- Input resolution settings from PC - VGA, XGA (1024 x 768), SXGA (1280 x 1024), UXGA (1600 x 1200), WUXGA (1920 x 1200) and from Digital Player - 480p up to Full HD 1080p (1920 x 1080);
- Output Resolutions from 480p to 1080p Deep Color 8/10/12, bit source;
- Audio Supports LPCM 2CH, 6CH, 8CH/AC3/DTS/Dolby Digital Plus/ Dolby Tru HD & DTS-HD;
- Fine tuning and adjustments of contrast, brightness saturation and hue;
- Dual Mode Feature: Display POP (Picture over Picture) & PIP (Picture in Picture) image combined by 2 sources;
- Quad Mode Feature: Output all input sources as a full image to a single display (4 in 1);
- Preset up to 4 favorite layout options;
- Auto EDID detec from the source;
- Bezel Correction support for 2X2 Videowall Mode;
- USB for Service Mode and Firmware upgrade;
- Connection by IR Remote, Telnet or RS-232 for user setup and configuration.

MECHANICAL SPECIFICATIONS

Housing	Aluminium
Color	Black
Rack Mount	IU
Power Consumption	15W
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20 ~ 90% RH (non-condensing)

PANEL DESCRIPTION



- | | | |
|--------------------|------------------|------------------------|
| 1 HDMI IN | 2 HDMI OUT | 3 Control |
| 4 USB Service Only | 5 RS-232 | 6 DC 12V |
| 7 IR Window | 8 Power | 9 Menu |
| 10 +/- Buttons | 11 Channel Input | 12 Matrix/Dual/TV Wall |
| 13 Save | 14 Lock | 15 Recall |



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HDM2-SPLITPRO-T4K

4X1 HDMI 2.0 QUAD MULTIVIEWER WITH
4K@60 UHD SCALER ON OUTPUT

QUAD MULTIVIEWER AND SCALER



KEY FEATURES

- Fast switching between input channels and combined multiple images on single HD monitor;
- Crop the (4) four HDMI Input Channels;
- Supports PIR, PAP and multi-windows layout configurations;
- Single Input Rotation (90° left and right) functions;
- 8 preset Hot keys with 4 Custom layouts and 4 Full screen layouts within the supplied control software;
- 8 Custom saved layout buttons via the IR Remote;
- Input resolution support full range of video resolutions from 640x480 up to WUXGA@60 (RB) 1920x1200 i/p;
- Output resolution support Full HD or upscale to 4K2K@60 (4:4:4 8bits);
- Audio dembedded via RCA Left and Right audio connectors;
- RS 232 port for Service mode and firmware upgrade;
- Supports RS 232, Ethernet, IR Remote and front panel buttons;
- Factory Reset feature.

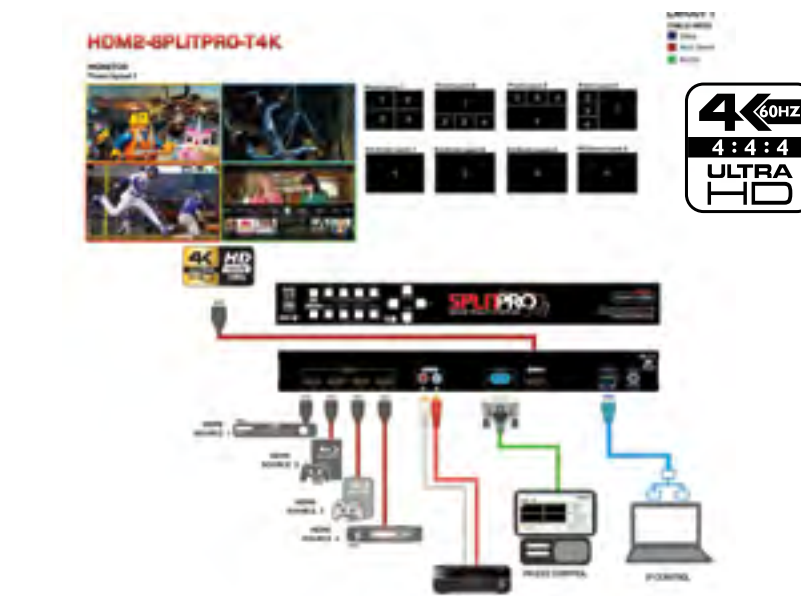
MECHANICAL SPECIFICATIONS

Housing	Metal Case
Net Weight	3.3 lbs
Power Supply	12V 5A DC / 110-240V
Power Consumption	8.9W
Operating Temperature	0~40°C [32~104°F]
Storage Temperature Relative	20~60°C [-4~140°F]
Humidity	20-90% RH [No Condensation]

PANEL DESCRIPTION



- | | | |
|----------------------|--------------------|-------------------|
| 1 Full Screen Button | 2 Preset Layout | 3 IR Sensor |
| 4 Resolution Buttons | 5 Reserved Buttons | 6 Rotation Button |
| 7 Windows Source | 8 Label ON/OFF | 9 HDMI IN 1-4 |
| 10 Stereo Audio L/R | 11 RS-232 | 12 HDMI OUT |
| 13 Ethernet | 14 DC 12V | |



ITEM SPECIFICATION

Model	HDM2-SPLITPRO-T4K
Description	4X1 HDMI Quad Multiviewer with Rotation, 4K@60 support on output
Video Bandwidth	Input: HDMI [2.25G to 6.75Gbps] Output: Single-link 600MHz [18Gbps]
HDCP Compliance	Yes 2.2
HDMI Compliance	Input: HDMI 1.4 / Output: HDMI 2.0a
Audio Support	LPCM 2CH, 6CH, 8CH/AC3/DTS/Dolby Digital Plus/ Dolby TrueHD & DTS-HD
Input Resolution	PC/VGA 640x480, XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200) 480i/720p, 1080i/1080p@60 and up to 1920x1200@60
Output Resolution	720p 50/60Hz, 1080p 24/25/30/50/60Hz, 1920x1200RB Hz, 3840x2160 30Hz and 4K2K@60 (4:4:4 8bits)
Video Format	HDMI 2.0
Input	4 x HDMI, 1 x RS232, 1 x RJ-45 (Ethernet)
Output	1 x HDMI
Dimensions	12.5" x 6.8" x 1.7"
Power Supply	12V/5A DC (US/EU standards, CE/FCC/UL certified)



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DVI-SPLITPRO-2X

Advanced Dual Screen Multiviewer
with IR Remote Control

ADVANCED VIDEO PROCESSOR



KEY FEATURES

- 2 x Dual DVI Input and 2 x Dual DVI Outputs;
- Input Resolutions support from 640 x 480 to 1920 x 1200 interlaced or progressive;
- Output Resolutions support from 640 x 480 to 1920 x 1200 progressive;
- Input: Adjust image size & position through control software;
- Output: Rotate 90, 180, 270 Scale, Resize, Position, Zoom & Crop;
- Supports each input on separate screen, Full Screen or Rotated;
- Supports PAP Horizontal or Vertical and PIP;
- Firmware upgradable for support of new features and technology enhancements;
- Visible borders with text labels for easy identification and colored backgrounds;
- Supports video screen splitter, a video converter and a video switcher;
- Software control through RS-232 and Ethernet;
- IU size.



PANEL DESCRIPTION



- | | |
|--------------------------------------|----------------|
| 1 12V DC power jack | 5 Dip Switch |
| 2 RS-232 control port | 6 DVI input |
| 3 RS-232 control port for F/W update | 7 DVI output 2 |
| 4 Ethernet control port | 8 DVI output 1 |
| | 9 USB 5V |

ITEM

SPECIFICATION

Dual Output Support	Yes (DVI & VGA)
Background Video Input	No
Supported Resolutions	480i / 480p / 720p / 1080i / 1080p (60) / 1920 x 1200 @75 / 1600 x 1200 @60
Audio Support	No
Embedded Video Mixer	Yes
HDCP Compliance	HDCP 1.1
Input	2 x DVI/HDMI 2 x RS-232 1 x RJ 45 (Ethernet)
Output	2 x DVI
Dimensions (L x W x H)	10.3" x 7.6" x 1.7"
Mount	IU Rack-mount with ears
Power Supply	12V 5Z DC
Power Consumption	5.75 Watts (max)



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HDM-AVXWALL

4K Multi Input FPGA Video Processor

VIDEO WALL PROCESSOR



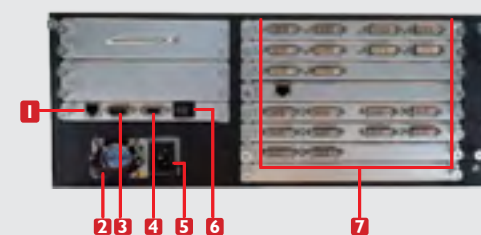
KEY FEATURES

- Scales up to 72 synchronized/framelocked displays in Digital Scale Mode;
- 4K, Full HD input and output resolutions;
- Up to 128 Digital Inputs, 72 Digital Outputs;
- Robust network Telnet API enables a variety of control options for video walls;
- Pure hardware structure without operating system;
- FPGA architecture providing excellent image processing performance;
- Input Signal Preview: Input signals can be previewed in the UI of software before being displayed on the screens;
- Card to main-board plugging structure;
- Multi Video Wall Control (MVWC) (up to 4 different video walls);
- Graphic cropping and signal upscaling;
- Ultra-high resolution background image;
- Character super imposition;
- Scene Saving: Any configuring arrangement of video signal displayed on screen wall can be saved as "scenes".

MECHANICAL SPECIFICATIONS

Housing	Metal Case / Matt Black
Dimensions / Net Weight	Based on Form Factor (2/4/8/13/19U Size)
Weight	Based on Form Factor
Power Supply	AC 100-240V / 150 Watts (max)
Power Consumption	60W (max)
Operating Temperature	0~40°C [32~104°F]
Storage Temperature Relative	20~60°C [-4~140°F]
Humidity	20-90% RH [No Condensation]

PANEL DESCRIPTION



- | | | |
|--|-------------------|----------------|
| 1 LAN: Connect to network | 2 Ventilation Fan | 3 RS-232 Out |
| 4 RS-232 IN: Connect to PC | 5 Power Supply | 6 Power Switch |
| 7 Input/Output Cards: Supports up to 128 Inputs / 72 Outputs HDBaseT, HDMI, DVI, SDI, DP, VGA, CVBS (See user guide for details) | | |



ITEM

SPECIFICATION

Model	HDM-AVXWALL
Description	Multi-input Image Video Wall Processor with 4K Support
Video Format Support	CVBS, YPbPr, VGA, DVI, HDMI, SDI, DisplayPort, UTP and Optical Fiber
Input	HDBaseT, HDMI, DVI, YPbPr, CVBS, SDI, VGA, Optical Fiber
Output	HDBaseT, HDMI, DVI, YPbPr, CVBS, SDI, VGA, Optical Fiber, CAT5/6
System Control	TCP/IP, PC Software Control, iPad Control
RCS Connector	75Ω female
DVI Connector	DVI-I (212-pin female, digital only)
RJ45 Connector	WE/SS 8p8C with 2 LED indicators
RS-232 Connector	DE-12 (12-pin D-sub female)
Supported Resolution	SD up to 1080p and 4K (4096 x 2160 @24Hz)
Audio Support	Yes (on selected I/O cards)
ESD Protection	Human body model - ±8kV (air-gap discharge) & ±4kV (contact discharge)



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HDM-C6MWIPL-R

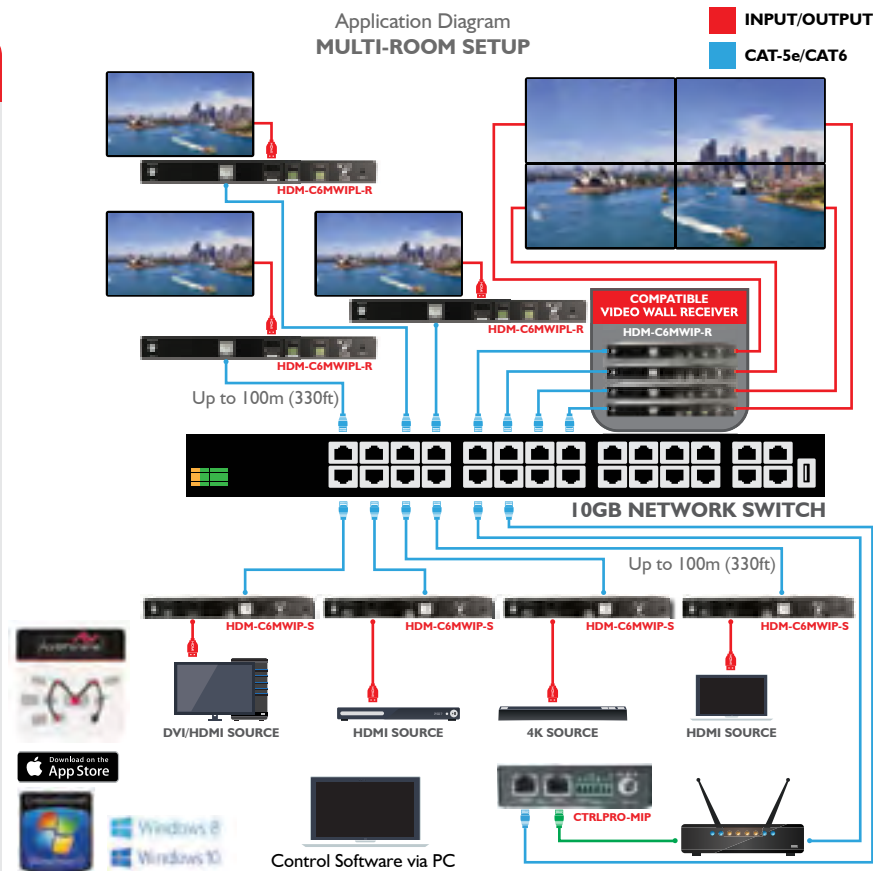
HDMI H.264 IP MATRIX DECODER
OVER CATX SUPPORT

IP MATRIX DECODER



KEY FEATURES

- Flexible control and management options;
- CEC Function;
- Supports live IP video stream decoding;
- Supports POE;
- Capable of outputting two IP Streams (allows video previewing);
- Supports multiple interfaces HDMI, DVI, VGA, YPbPr or CVBS signals over IP networks;
- **Point to Point:** (Direct Connection with CAT5/6 - 330ft;
- **Point to Multi-Point** with CAT5/6 requires a POE Network Switch which supports port based IGMP v2.0 or above protocol.
For large application, we would recommend Cisco SG300/SG500 Network Switch series.
- Supports audio embedding and de-embedding;
- Auto Scaler;
- Supports H.264 features baseline profile, main profile and high profile;
- Supports H.264, TCP/IP, Telnet, UDP and IGMP;
- Supports Auto IP, zero-configuration networking (zeroconf);
- Seamless switching, no black screen, no frame lock;
- Configurable encoding bit rate up to 30 Mbps;
- Auto input format detection;
- HDCP compliant.



ITEM	SPECIFICATION
Description	HDM-C6MWIPL-R
Input Video Port	LAN
Input Video Type	H.264 / MPEG-4 AVC
Input Resolution	480p @60Hz ~ 1920 x 1200@60Hz
Video Impedance	100Ω
Output Video Port	HDMI
Output Video Type	HDMI 1.3
Output Resolution	HDMI up to 1920 x 1200 @60Hz
Input Audio Port	LAN
Output Audio Port	Phoenix Connector
Power Supply	12V I A DC
Dimensions	266.2mm x 111.3mm x 25mm (L x W x H)
Weight	1.3 lbs



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HDM-C6MWIP-SET

HDMI H.264 IP Matrix Decoder/Encoder
Over CAT/X W/ Video Wall Mode Support

IP MATRIX DECODER/ENCODER



KEY FEATURES

- Flexible control and management options;
- CEC Function;
- Supports live IP video stream decoding;
- Supports POE;
- Capable of outputting two IP Streams (allows video previewing);
- Supports multiple interfaces HDMI, DVI, VGA, YPbPr or CVBS signals over IP networks;
- **Point to Point:** (Direct Connection with CAT5/6 - 330ft);
- **Point to Multi-Point** with CAT5/6 requires a POE Network switch which supports port based, IGMP v2.0 or above protocol. For large application, we would recommend Cisco 2960;
- Matrix and Video Wall functions;
- Supports audio embedding and de-embedding;
- Auto Scaler;
- Supports H.264 features baseline profile, main profile and high profile;
- Supports H.264, TCP/IP, Telnet, UDP and IGMP;
- Supports Auto IP, zero-configuration networking (zeroconf);
- Seamless switching, no black screen, no frame lock;
- Configurable encoding bit rate up to 30 Mbps;
- Auto input format detection;
- HDCP compliant.

CABLE INDEX

Input / Output

CAT-5e / CAT-6

AUDIO

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ITEM	SPECIFICATION	
Description	HDM-C6MWIP-S	HDM-C6MWIP-R
Input Video Port	DVI-IN	LAN
Input Video Type	HDMI, DVI 1.0, VGA, YPbPr, CVBS	H.264 / MPEG-4 AVC
Input Resolution	HDMI 640 x 480 @60Hz up to 1920 x 1200 @60Hz	480p @60Hz ~ 1920 x 1200 @60Hz
	DVI up to 1920 x 1200 @60Hz	
	VGA up to 1920 x 1200 @60Hz	
	YPbPr up to 1920 x 1080i @60Hz	
	CVBS up to 576i @50Hz	
Video Impedance	100Ω	100Ω
Output Video Port	LAN	HDMI
Output Video Type	H.264 / MPEG-4 AVC	HDMI 1.3
Output Resolution	Up to 1920 x 1200 @60Hz	HDMI up to 1920 x 1200 @60Hz
Input Audio Port	Audio Jack	LAN
Output Audio Port	Phoenix Connector	Phoenix Connector
Power Supply	12V I A DC	12V I A DC
Dimensions	7.9" x 3.7" x 1.0" (L x W x H)	12.2" x 7.1" x 3.0" (L x W x H)
Weight	1 lbs	1.3 lbs

PANEL DESCRIPTION



- | | | |
|-------------------------|--------------|-------------------------|
| 1 Power Jack | 2 LAN (POE) | 3 LAN (POE) |
| 4 Stereo Audio OUT | 5 RS-232 | 6 3.5mm Jack Stereo IN |
| 7 Power Jack | 8 RS-232 | 9 HDMI IN |
| 10 3.5mm Jack Stereo IN | 11 LAN (POE) | 12 3.5mm Jack Stereo IN |



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HDM-C6MVIP-R

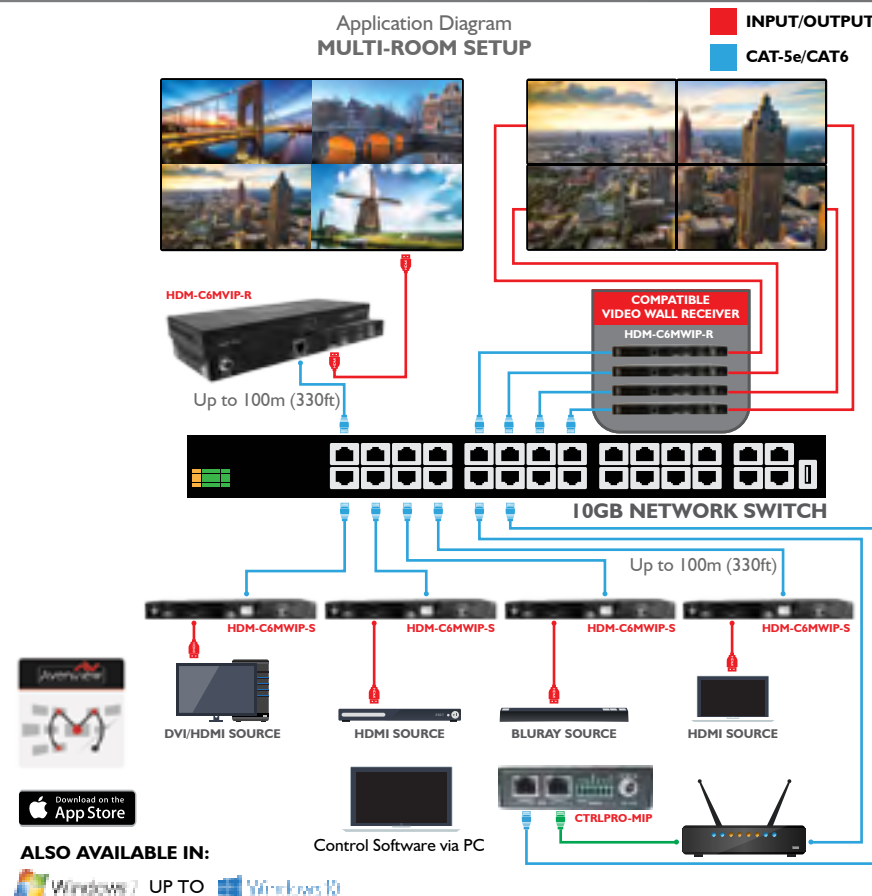
HDMI H.264 IP Multi Viewer
Over CAT/X W/Matrix Mode Support

MULTI VIEWER IP RECEIVER



KEY FEATURES

- Flexible control and management options;
- CEC Function;
- Supports live IP video stream decoding;
- Supports POE;
- Capable of outputting two IP Streams (allows video previewing);
- Supports multiple interfaces HDMI, DVI, VGA, YPbPr or CVBS signals over IP networks;
- **Point to Point:** (Direct Connection with CAT5/6 - 330ft);
- **Point to Multi-Point** with CAT5/6 requires a POE Network switch which supports port based, IGMP v2.0 or above protocol. For large application, we would recommend Cisco 2960;
- Full HD Matrix and up to 8 display on single screen Multi Viewer functions;
- Supports audio embedding and de-embedding;
- Auto Scaler;
- Supports H.264 features baseline profile, main profile and high profile;
- Supports H.264, TCP/IP, Telnet, UDP and IGMP;
- Supports Auto IP, zero-configuration networking (zeroconf);
- Seamless switching, no black screen, no frame lock;
- Configurable encoding bit rate up to 30 Mbps;
- Auto input format detection;
- HDCP compliant.



ITEM	SPECIFICATION
Description	HDM-C6MVIP-R
Input Video Port	LAN
Input Video Type	H.264 / MPEG-4 AVC
Input Resolution	480p @60Hz ~ 1920 x 1200@60Hz
Video Impedance	100Ω
Output Video Port	HDMI
Output Video Type	HDMI 1.3
Output Resolution	HDMI up to 1920 x 1200 @60Hz
Input Audio Port	LAN
Output Audio Port	Phoenix Connector
Power Supply	12V I A DC
Dimensions	12.2" x 7.1" x 3.0" (L x W x H)
Weight	1.3 lbs



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HDM2-APEX4K-SET

HDMI 4K@60 IP Extender Over CATX
10-Gigabit W/4K Video Wall and Matrix Functions



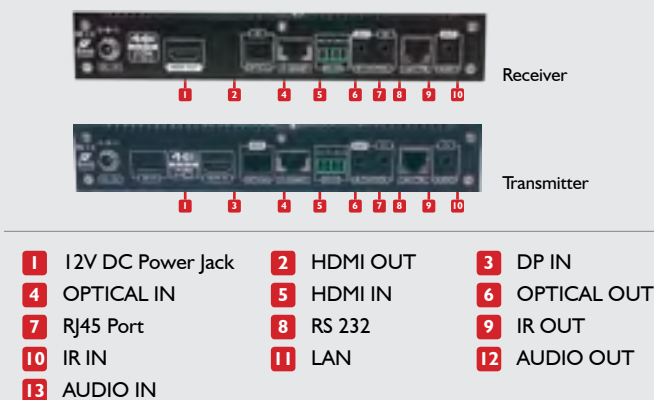
4K60 IP EXTENDER

KEY FEATURES

- Uncompressed HDMI digital video including 3D support;
- 4K IP Matrix, video wall and quad multi-view;
- HDMI 2.0, HDMI 1.4 and DVI 2.0 compliant;
- HDCP 2.2 / HDCP 1.2 compliant;
- Supports resolutions up to UHD 4K@60 (3840 x 2160);
- Zero frame latency;
- Supports point to point transmission, distance up to 100m with 4K signal;
- Supports point to multiple, multiple to multiple mode via 10Gb Ethernet Switch;
- 3-5 sec switching time (in re-clocking mode);
- Instant switching (in fast switching mode);
- Independent analog audio input and output at 2-channels, 24-bits @48KHz/channel;
- Supports Bi-directional IR, RS232 and USB;
- Supports 10/100/Gb auto sensing port, for pc control and upgrading;
- PC control management tool;
- Bandwidth needed: 4K signal at about 6GbE, 1080P signal at about 1.485GbE;
- Supports 2 channels, 24-bits @48KHz/channel;
- Simple and easy operational interface to control video wall, matrix and quad multi-view.



PANEL DESCRIPTION



ITEM	SPECIFICATION
Model	HDM2-APEX4K
Description	HDMI 4K IP Encoder Over CATX
Supported Resolution	SD, FHD 1080p Resolutions up to 4K@60Hz RGB and 4:4:4 8bit, 4K@60 RGB and 4:2:2 10bit, 4K@60 RGB and 4:2:0 10bit
Input Ports	HDMI IN, OP IN, DP IN, IR IN, RS232 IN, 3.5 mm Jack IN
Output Ports	HDMI OUT, OP OUT, IR OUT, RS232 OUT, 3.5 mm Jack OUT
Video Type	Uncompressed
Digital Audio Support	LPCM, Dolby Digital/Plus/EX, Dolby TrueHD, DTS-HD Master
Transmission Distance	Up to 100/60 meters for 4K@60 4:4:4 Video Up to 160/130 meters for 4K@30 4:4:4 Video Up to 250/230 meters for 4K@30 4:4:4 Video
Dimensions	8.2" x 4.8" x 1.1"
Weight	2.7lbs
Power Supply	12V 2A DC



VIDEO WALL VIDEO PROCESSORS
MULTIVIEWERS DIGITAL SIGNAGE
EXTENDERS CONTROL CENTERS
SCALERS WIRELESS



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Control Your Video

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