![ATEN]

HDMI Solutions ❯

HDMI Solutions from ATEN

HDMI (High Definition Multimedia Interface) is a digital interface used in high-end consumer electronics such as DVD players, PC's, Camcorders, Cable boxes, and Video Game Consoles. The ATEN HDMI standard cable not only offers the smallest connectors, but it also combines high definition audio & video signals in one cable. HDMI is quickly replacing traditional analog devices and as the higher quality digital alternative it has become the most popular technology for multimedia driven consumer electronic devices.

ATEN HDMI solutions give you 100% HDMI transmission with pixel-by-pixel image reproduction for smooth, brilliant sharp HD images. The HDMI Deep Color format supports almost doubles the colors of standard RGB, so you can experience the same vibrant colors found in nature with absolute clarity. With full support for Dolby TrueHD and DTS-FD Master Audio streams, ATEN HDMI solutions offer you the ultimate in digital audio demanded by today's high-end multimedia installations.Plus multi-channel audio for crisp, taut sounds.

Why Try ATEN HDMI?

HDMI Certified

ATEN is a member of the official HDMI Association certifying that all HDMI products we sell are tested to be 100% compliant with HDMI standards.

Stable Long Distance Transmission

ATEN HDMI products provide transmission of audio and video signals over long distances, which do not deteriorate. With real, ultra high transmission quality and interference suppression, ATEN's HDMI fiber range supports distances up to 20 km.

True Picture – Real Performance

All ATEN HDMI products provide true HDMI digital audio and video, and support all HDMI standards and high resolutions up to 4K. ATEN HDMI products allow you to build high-end, cost-effective HDMI installations that are highly competitive in both quality and price.

FPGA (Field – Programmable Gate Array) Design Benefits

Implemention of the FPGA design allows TMDS signals to be rearranged when transmitting high-speed data. This is used by the HDMI video interfaces, as well as other digital communication interfaces. Consequently, this benefit brings our video products extends digital signals to longer distances.
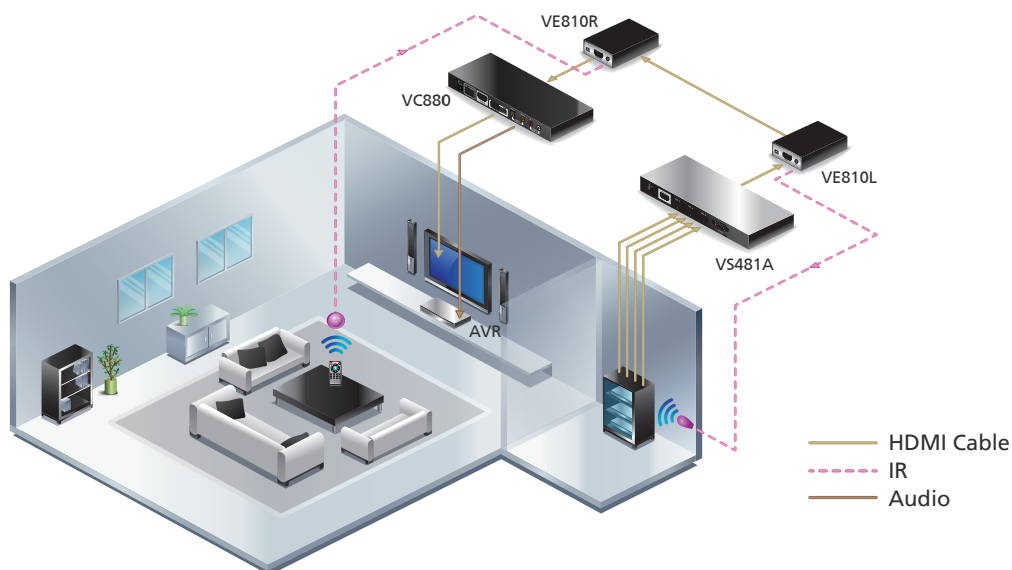
ATEN HDMI Solutions for Professional Applications

❯ Home Theater

The ultimate home theater design has the A/V source equipment installed in a dedicated area – away from the theater area. This elevates the aesthetic of the room and creates an intimate, cozy, media experience.

By integrating a VanCryst™ VS481A, VE810 and VC880 into their setup, users are able to extend the distance between the source devices and the TV and speakers, without sacrificing the quality of the A/V signals. They also have the convenience of selecting any of their A/V input sources (DVD player, set-top box, game console, etc.) without ever having to leave their seat, thanks to the IR control unit.
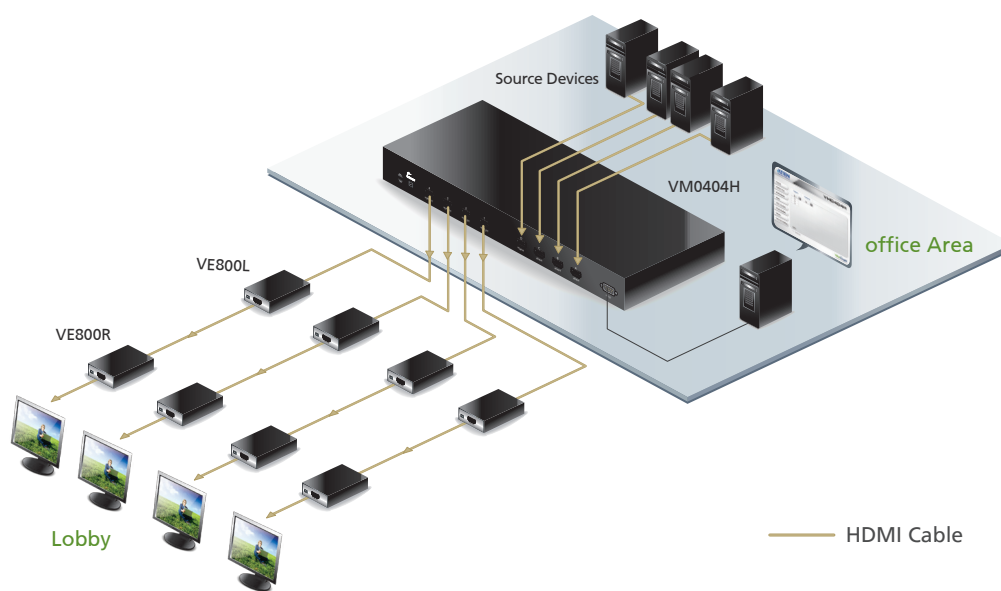

HDMI Cable
IR
Audio

❯ Lobby / Showroom

A company wanted to present to clients a variety of product and promotional information.

To achieve this, the company installed LCD TVs and overhead projectors at various locations in their lobby, reception areas and showrooms.
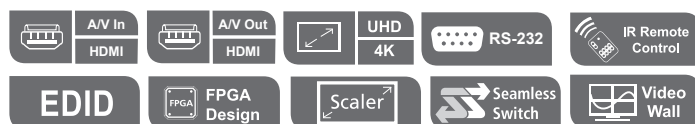
By deploying a VanCryst™ VM0404H Video Matrix Switch and VE800 Video Extenders, they could keep the A/V source devices in the office area for easy management, while having different A/V output from each of the sources shown on the display (lobby, reception area or showroom), that was most appropriate to the information being presented.

HDMI Cable

HDMI Matrix Switches

VM6404H — 4x4 4K HDMI Matrix Switch with Scaler — PRO

| A/V In HDMI | A/V Out HDMI | UHD 4K | RS-232 | IR Remote Control |
| EDID | FPGA Design | Scaler | Seamless Switch | Video Wall |

- Connects any of 4 HDMI sources to any of 4 HDMI displays
- HDMI (3D, Deep Color, 4K); HDCP 2.2 Compatible
- Scaler – features a video scaling function to integrate a video wall seamlessly with various output video formats*
- Seamless Switch™ – features close-to-zero second switching that provides continuous video streams, real-time switching and stable signal transmissions*
- Video Wall – features up to 8 video wall profiles for custom screen layouts via point-n-click web GUI*
- EDID Expert – configures optimum EDID settings for smooth power-up, high-quality display and use of the best resolution across different screens

* If Seamless Switching is enabled, the video output will not display 3D, Deep Color or interlace (i.e., 1080i) resolutions. To make these features available, you must disable Seamless Switching.

VM5404H / VM5808H — 4x4 / 8x8 HDMI Matrix Switch with Scaler — PRO

| A/V In HDMI | A/V Out HDMI | RS-232 | IR Remote Control | EDID | FPGA Design | Scaler | Seamless Switch | Video Wall |

- Connects any of 4/8 HDMI sources to any of 4/8 HDMI displays
- HDMI (3D, Deep Color); HDCP Compatible
- Scaler – features a video scaling function to integrate a video wall seamlessly with various output video formats*
- Seamless Switch™ – features close-to-zero second switching that provides continuous video streams, real-time switching and stable signal transmissions*
- Video Wall – features up to 8/16 video wall profiles for custom screen layouts via point-n-click web GUI
- EDID Expert – configures optimum EDID settings for smooth power-up, high-quality display and use of the best resolution across different screens
- ESD protection for HDMI
- Bi-directional RS-232 serial port for control and configuration

* If Seamless Switching is enabled, the video output will not display 3D, Deep Color or interlace (i.e., 1080i) resolutions. To make these features available, you must disable Seamless Switching.

VM0404H — 4x4 HDMI Matrix Switch — PRO

| A/V In HDMI | A/V Out HDMI | RS-232 | IR Remote Control | EDID | FPGA Design |

- Connects any of 4 HDMI sources to any of 4 HDMI displays
- HDMI (3D, Deep Color); HDCP Compatible
- EDID Expert – configures optimum EDID settings for smooth power-up, high-quality display and use of the best resolution across different screens
- Power-on detection – switches to next powered-on source when one source is powered off
- Bi-directional RS-232 serial port for control and configuration

HDMI Matrix Switches

VM0808H   8x8 HDMI Matrix Switch   PRO   TAIWAN EXCELLENCE 2012

| A/V In HDMI | A/V Out HDMI | RS-232 | IR Remote Control | EDID | FPGA Design |

• Connects any of 8 HDMI sources to any of 8 HDMI displays

• HDMI (3D, Deep Color); HDCP Compatible

• Features EDID Expert technology:

   - EDID Library with 14 default EDID configurations

   - Built-in EDID Mode selection

   - Copies a display's EDID to selected source devices

• ESD protection for HDMI

• Power-on detection – switches to next powered-on source when one source is powered off

• Bi-directional RS-232 serial port for control and configuration

HDMI Switches

VS381   3-Port HDMI Switch

| A/V In HDMI | A/V Out HDMI | IR Remote Control | Non-Powered |

• Allows up to three HDMI A/V sources to be connected to one HDMI display

• HDMI (3D, Deep Color); HDCP Compatible

• Front-Panel LED for port and power status

• Plug-and-play – no software installation required

• No power adpater required

VS481A   4-Port HDMI Switch

| A/V In HDMI | A/V Out HDMI | RS-232 | IR Remote Control |

• Allows up to four HDMI A/V sources to be connected to one HDMI display

• HDMI (3D, Deep Color); HDCP Compatbile

• Power-on detection – switches to next powered-on source when one source is powered off

• Bi-directional RS-232 serial port for control and configuration

❯ HDMI Switches

VS481ʙ 4-Port HDMI Switch `PRO`

| A/V In HDMI | A/V Out HDMI | ↗ | UHD 4K | RS-232 | IR Remote Control |

- Allows up to four HDMI A/V sources to be connected to one HDMI display
- HDMI (3D, Deep Color, 4K); HDCP 2.2 Compatible
- Auto Switch Mode – allows auto switching to a selected port with priority setting when a source is connected to the port
- Bi-directional RS-232 serial port for control and configuration

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VS482 4-Port Dual View HDMI Switch `PRO`

| A/V In HDMI | A/V Out HDMI | RS-232 | IR Remote Control | Dual View |
| Instant Switch | Digital Audio Toslink | OSD | ARC Audio Return Channel | EDID |

- Allows up to four HDMI A/V sources to be connected to two HDMI displays
- HDMI (3D, Audio Return Channel and Deep Color)
- EDID Expert – configures optimum EDID settings for smooth power-up, high-quality display and use of the best resolution across different screens
- Extra audio from HDMI input signal that supports both optical and coaxial digital audio and one stereo audio output
- Bi-directional RS-232 serial port for control and configuration
- IR control signal extension – extend the reach of the IR controller by adding an IR receiver unit
- Instant switching between HDMI input sources via front panel pushbuttons or through the RS-232 serial control port
- Audio Return Channel (ARC) function – connect an HDMI cable to the ARC port to send audio from your source device to your audio/video receiver

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VS0801H 8-Port HDMI Switch `PRO`

| A/V In HDMI | A/V Out HDMI | RS-232 | IR Remote Control |

- Allows eight HDMI A/V sources to be connected to one HDMI display
- HDMI (3D, Deep Color); HDCP Compatible
- Power-on detection – switches to next powered-on source when one source is powered off
- Bi-directional RS-232 serial port for control and configuration

HDMI Splitters

VS182A / VS184A / VS0108HA   2/4/8-Port HDMI Splitter

| A/V In HDMI | A/V Out HDMI | ↗ UHD 4K | RS-232 | EDID |

(VS0108HA)

- Connects one HDMI source to 2/4/8 HDMI displays at the same time
- HDMI (3D, Deep Color, 4K); HDCP Compatible
- EDID Expert – configures optimum EDID settings for smooth power-up, high-quality display and use of the best resolution across different screens
- Bi-directional RS-232 serial port for control and configuration (VS0108HA)

HDMI Extenders

VE872 / VE873 / VE874 / VE875   HDMI Active Optical Cable

| 15 m | 30 m | 50 m | 100 m |
| (VE872) | (VE873) | (VE874) | (VE875) |

| A/V In HDMI | A/V Out HDMI | FIBER | ↗ UHD 4K |

- Converts electrical data signals to optical signals
- HDMI (3D, Deep Color, 4K); HDCP Compatible
- RF/EMI free for clear signal transmission
- Powered remote unit via USB Cable
- High data transfer rates of 10.2 Gbps

VE882 / VE892   HDMI Optical Extender

| 600 m | 20 km | PRO | TAIWAN EXCELLENCE 2014 |
| (VE882) | (VE892) | | |

| A/V In HDMI | A/V Out HDMI | RS-232 Channel | IR Channel | FIBER |

- Extends the transmission range of HDMI, IR and RS-232 signals using one fiber optic cable
- HDMI (3D, Deep Color), HDCP compatible – signaling rates up to 3.125 Gbits
- Supports bi-directional IR signal transmission, one way at a time
- Bi-directional RS-232 serial port for control and configuration

❯ HDMI Extenders

VE809 — HDMI Wireless Extender `30 m`

| A/V In HDMI | A/V Out HDMI | 🛜 WHDI | 5.1 Channel | IR Remote Control |

- Setup two HDTVs and view HD content on two HDTVs simultaneously
- Connect and transmit wireless video content from your Blu-ray DVD player, HD Cable box or other HDMI device wirelessly
- HDMI (3D), HDCP Compatible
- Supports full uncompressed HD, 1080P, 3D content and 5.1 channel digital audio
- Wirelessly extend an HDMI display up to 30 m from the HDMI source*
- Based on WHDI™ Technology - Low latency <1ms
- Built-in IR receiver allows control of source devices from the remote side
- Keep home theater electronic devices neatly out-of-sight

Note:* Distance may vary depending on environment; solid objects such as steel, concrete and brick may view shorter distances.

VE829 — 5 x 2 HDMI Wireless Extender `30 m`

| A/V In HDMI | A/V Out HDMI | 🛜 WHDI | 5.1 Channel | IR Remote Control |

- Allows you to switch and independently select any of 5 sources (4 x HDMI connectors, 1 x component connector) between 2 HDTVs
- HDMI (3D), HDCP compatible
- Supports full uncompressed HD, 1080P, 3D content and 5.1 channel digital audio
- Wireless transmission of full uncompressed HD videos up to 30 m* for two HDTVs
- Based on WHDI™ technology – Low latency < 1 ms
- USB HID ports on Transmitter and Receiver units enable wireless keyboard connectivity to control attached computers / laptops

Note:* Distance may vary depending on environment; solid objects such as steel, concrete and brick may view shorter distances.

VE801 — HDMI HDBaseT-Lite Extender
VE802 — HDMI HDBaseT-Lite Extender with POH `70 m`   ⬢HDBaseT™

| A/V In HDMI | A/V Out HDMI | UHD 4K | POH (VE802) | RS-232 (VE802) | IR (VE802) |

- Implements HDBaseT extension technology using only one Cat 5e/6a cable to connect the transmitter and receiver
- HDMI (3D, Deep Color, 4K); HDCP Compatible
- Anti-jamming – resists signal interference during high-quality video transmissions using HDBaseT technology
- IR control signal extension – extend the reach of the IR controller by adding an IR receiver unit (VE802)
- With POH functionality can sending power over Cat 5e/6a cable without additional power supply (VE802)
- Bi-directional RS-232 serial port for control and configuration (VE802)

VE801R

VE801T

VE802R

VE802T

HDMI Extenders

VE812 — HDMI Over Single Cat 5 Extender `100 m`

A/V In HDMI	A/V Out HDMI	UHD 4K

- Implements HDBaseT extension technology using only one Cat 5e/6a cable to connect the transmitter and receiver
- HDMI (3D, Deep Color,4K); HDCP Compatible
- Anti-jamming – resists signal interference during high-quality video transmissions using HDBaseT technology
- EDID Expert – selects the optimum EDID settings for smooth power-up and highest quality display

VE813 — HDMI HDBaseT Extender with USB `100 m`

A/V In HDMI	A/V Out HDMI	UHD 4K	EXTREME USB®

- Implements HDBaseT extension technology using only one Cat 5e/6a cable to connect the transmitter and receiver
- HDMI (3D, Deep Color, 4K); HDCP compatible
- Anti-jamming – resists signal interference during high quality video transmissions using HDBaseT technology
- ExtremeUSB® Support – supports all USB 2.0 High Speed device
- Consumer Electronics Control (CEC) Support

Note: The VE813 supports USB transfer rates of up to 30 Mbps.

VE814 — HDMI Extender over single Cat 5 with Dual Display `100 m`

A/V In HDMI	A/V Out HDMI	UHD 4K	Local Display	RS-232 Channel	IR Channel	Dual Display	Ethernet

- Implements HDBaseT extension technology using only one Cat 5e/6a cable to connect the transmitter and receiver
- HDMI (3D, Deep Color,4K); HDCP Compatible
- EDID Expert – selects the optimum EDID settings for smooth power-up and highest quality display
- Supports one local and two remote displays
- Bi-directional RS-232 serial port for control and configuration
- Supports two IR channels for bi- directional IR signal transmission
- Extends Ethernet communication with passthrough port

HDMI Extenders

VE800A   HDMI Extender   60 m   PRO

A/V In	A/V Out
HDMI	HDMI

- Features ATEN EDID technology that allows transmission over one Cat 5e cable
- HDMI (3D, Deep Color); HDCP Compatible
- 8 segment equalization adjustment switch optimizes display quality

VE800AR

VE800AT

VE803   HDMI USB Extender   60 m

A/V In	A/V Out	USB Touch panel	Wide Screen Support	EDID
HDMI	HDMI			

- Uses two Cat 5e cables to connect the local and the remote units
- HDMI (3D, Deep Color); HDCP compatible – signaling rates up to 2.25 Gbits
- EDID Expert – selects the optimum EDID settings for smooth power-up and highest quality display
- 8 segment equalization adjustment switch optimizes display quality
- Supports USB touch panel
- Transparent USB Support – supports all USB 2.0 full speed device (up to 12 Mbps)
- Powered local unit via USB cable

VE810   HDMI Extender with IR Control   60 m

A/V In	A/V Out	Non-Powered	IR Channel
HDMI	HDMI		

(VE810R)

- Uses less expensive Cat 5e cables to connect the local and the remote units
- HDMI (3D, Deep Color); HDCP 1.1 compatible
- 8 segment equalization adjustment switch optimizes display quality
- Supports IR signals for remote control
- Either the HDMI device or display can be controlled via IR control
- Non-Powered (only require one power adapter)

VE806   HDMI Over Cat 5 Extender Wall Plate   60 m   PRO

A/V In	A/V Out	Stereo Audio	Wide Screen Support	Unit to Unit
HDMI	HDMI			RJ-45

- Uses two Cat 5e cables to connect the local and remote units – one to transmit video and audio; and another for power*
- Remotely powered from either the Transmitter or Receiver side**
- HDMI (3D, Deep Color); HDCP Compatible
- 8 segment equalization adjustment switch optimizes display quality
- Decora type design is easily confi gurable to fit various wall plates
- LED indication of power sources / connection status

Note:
* The second Cat 5e cable connection is required to remotely power on either the Transmitter or Receiver.
** A power adapter is provided with this package, and can be used at either the Transmitter or Receiver side, which in turn remotely powers the other unit.

Video Converters

VC840 — HDMI to 3G/HD/SD-SDI Converter

| A/V In HDMI | Video Out SDI | EDID |

- Converts an HDMI input signal to 3G/HD/SD-SDI formats in real time while avoiding transformation loss for both audio and video signals
- HDMI (Deep Color)
- Supports an SDI distance of up to 90M (3G-SDI), 150M (HDSDI) or 300M (SD-SDI) of RG6
- Supported SDI formats:
  - SD-SDI (SMPTE 259M, up to 270 Mbps)
  - HD-SDI (SMPTE 292M, 296M, up to 1.485 Gbps)
  - 3G-SDI (SMPTE 424M, 425M level A, up to 2.97 Gbps)
- Supports 8 audio channels @48 KHz rate
- Offers 2 low-jitter SDI outputs for dual display
- Selectable EDID settings and EDID learning mode

VC812 — HDMI to VGA Converter with Scaler PRO

| A/V In HDMI | Video Out HDB-15 | Scaler | OSD |

- Converts HDMI signals to VGA output
- Features a built in high-performance scaler function for best image quality
- Scaler – a premium scaling engine that converts various input video resolutions into the display's native resolution, while adjusts picture ratio automatically for maximum viewing comfort
- 3D Deinterlacing – increases image clarity for ultimate viewing quality by processing and scanning digital video signals
- Features a superior de-interlacer function for smooth video playback quality
- Integrated superior video noise reduction
- Integrated next generation color engine – automatic picture quality/color adjustment and enhancement

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VC810 — HDMI to VGA Converter

| A/V In HDMI | Video Out HDB-15 | Non-Powered | Wide Screen Support |

- Converts HDMI signals to VGA output
- Supports wide screen formats
- Non-powered

❯ Video Converters

VC480 — 3G/HD/SD-SDI to HDMI Converter

Video In	A/V Out
SDI	HDMI

- Converts an 3G/HD/SD-SDI input signal to HDMI formats in real time while avoiding transformation loss for both audio and video signals
- HDMI (Deep Color)
- Supports an SDI distance of up to 90M (3G-SDI), 150M (HDSDI) or 300M (SD-SDI) of RG6
- Supported SDI formats:
  - SD-SDI (SMPTE 259M, up to 270 Mbps)
  - HD-SDI (SMPTE 292M, 296M, up to 1.485 Gbps)
  - 3G-SDI (SMPTE 424M, 425M level A,B, up to 2.97 Gbps)
- Buffered loop-through output provides extended monitoring
- Supports 8 audio channels @48 KHz rate

VC182 — VGA to HDMI Converter with Scaler

Video In	A/V Out	Scaler	OSD
HDB-15	HDMI		

- Converts VGA signals to HDMI output
- Features a built in high-performance scaler function for best image quality
- Scaler – a premium scaling engine that converts various input video resolutions into the display's native resolution, while adjusts picture ratio automatically for maximum viewing comfort
- 3D Deinterlacing - increases image clarity for ultimate viewing quality by processing and scanning digital video signals
- Features a superior de-interlacer function for smooth video playback quality
- Integrated superior video noise reduction
- Integrated next generation color engine – automatic picture quality/color adjustment and enhancement

VC180 — VGA to HDMI Converter with Audio

Video In	A/V Out	Screen Position Tuner	EDID
HDB-15	HDMI		

- Converts VGA signals to HDMI output
- Supports analog stereo audio input
- Screen Position Button – screen position settings can be stored for each output resolution
- Supports dual power sources: VGA port or power adapter (in case the VGA port cannot provide suffi cient power)
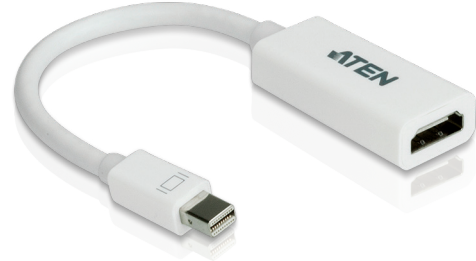- Automatically detects video input signals

❯ Video Converters

VC980   Mini DisplayPort to HDMI Adapter

Video In Mini Display Port	A/V Out HDMI	OS Support Mac	Audio Enabled

- Converts mini DisplayPort signals to HDMI output
- Supports Mac Products including MacBook, MacBook Pro, MacBook Air, Mac mini and Mac Pro
- Supports Dolby True HD and DTS HD Master Audio
- Audio enabled

VC880   HDMI Repeater Plus Audio De-embedder   **PRO**

A/V In HDMI	A/V Out HDMI	5.1 Channel	Audio Out Toslink	Audio Out Coaxial	Audio Out Coaxial

- Repeats HDMI input signal up to 15 meters
- HDMI (3D); HDCP compatible
- Extracts HDMI audio signal and outputs as additional audio source
- Supports optical / coaxial digital audio and analog stereo audio
- CH2/CH5.1/Auto mode audio channel selection
- Supports Audio on/off switch for HDMI output

VC080   HDMI EDID Emulator

A/V In HDMI	A/V Out HDMI	EDID	Non-Powered	Wide Screen Support

- HDMI (3D, Deep Color), HDCP compatible
- EDID Expert – features an EDID Wizard that allows configurations of optimum EDID settings for smooth power-up, high-quality display and use of the best resolution
- Signaling rates up to 2.25 Gbits in support of 1080p display
- Consumer Electronics Control (CEC) allows interconnected HDMI devices to communicate and respond to one remote control

HDMI Products At a Glance

Video Matrix Swtiches					
Model	**VM6404H**	**VM5404H**	**VM5808H**	**VM0404H**	**VM0808H**
Input to Outputs	4 to 4	4 to 4	8 to 8	4 to 4	8 to 8
Max. Video Resolution	4K@60 Hz (4:2:0)	1080 p	1080 p	1080 p	1080 p
Scaler	•	•	•		
Video Wall	•	•	•		
Seamless Switch	•	•	•		
RS-232 Control	•	•	•	•	•
IR Remote Control	•	•	•	•	•
EDID Wizard	•	•	•		
Max. Distance	15 m	15 m	15 m	15 m	15 m
Max. Bandwidth	340 MHz	225 MHz	225 MHz	225 MHz	225 MHz
Power Consumption	120V, 47.6W; 230V, 47.5W	120V, 36.6W; 30V, 37.5W	120V, 60W; 230V, 62W	DC5.3V, 9W	120V, 32W; 230V, 34W
Housing	Metal				
Weight	5.02 kg	4.10 kg	4.03 kg	1.86 kg	4.01 kg
Dimensions (L x W x H)	43.24 x 35.23 x 4.40 cm	43.20 x 26.20 x 4.40 cm	43.20 x 26.20 x 4.40 cm	43.70 x 15.96 x 4.40 cm	43.24 x 27.12 x 4.40 cm

Video Switches					
Model	**VS381**	**VS481A**	**VS481B**	**VS482**	**VS0801H**
Input to Outputs	4 to 1	4 to 1	4 to 1	4 to 2	8 to 1
Max. Video Resolution	1080 p	1080 p	4K@60 Hz (4:2:0)	1080 p	1080 p
Power On Detection		•			•
RS-232 Control		•	•	•	•
IR Remote Control	•	•	•	•	•
Max. Distance	15 m	15 m	15 m	15 m	15 m
Max. Bandwidth	225 MHz	225 MHz	300 MHz	225 MHz	225 MHz
Power Consumption	DC5.3V, 2.4W	DC5.3V, 2.4W	DC5V, 5W	DC5.3V, 6.95W	DC5.3V, 3.71W
Housing	Metal				
Weight	0.47 kg	0.47 kg	0.47 kg	2.16 kg	1.75 kg
Dimensions (L x W x H)	20.00 x 8.27 x 2.50 cm	20.00 x 8.27 x 2.50 cm	20.00 x 8.25 x 2.50 cm	43.72 x 15.86 x 4.40 cm	43.70 x 15.97 x 4.40 cm

Video Splitters & Extenders							
Model	**VS182A**	**VS184A**	**VS0108HA**	**VE872**	**VE873**	**VE874**	**VE875**
Input to Outputs	1 to 2	1 to 4	1 to 8	1 to 1	1 to 1	1 to 1	1 to 1
Max. Video Resolution	4K@60Hz (4:2:0)	4K@60Hz (4:2:0)	4K@60Hz (4:2:0)	4K	4K	4K	4K
RS-232 Control			•				
Max. Distance	15 m	15 m	15 m	15 m	30 m	50 m	100 m
Max. Bandwidth	340 MHz	340 MHz	340 MHz	340 MHz	340 MHz	340 MHz	340 MHz
Power Consumption	DC5.3V, 2.0W	DC5.3V, 4.6W	DC5V, 14.84W	DC5V, 1W	DC5V, 1W	DC5V, 1W	DC5V, 1W
Housing	Metal						
Weight	0.31 kg	0.47 kg	1.74 kg	0.02 kg	0.03 kg	0.36 kg	0.71 kg
Dimensions (L x W x H)	12.50 x 8.00 x 2.50 cm	20.00 x 8.00 x 2.50 cm	43.72 x 15.78 x 4.40 cm	N/A	N/A	N/A	N/A

HDMI Products At a Glance

Video Extenders				
Model	VE882	VE892	VE809	VE829
Input to Outputs	1 to 1	1 to 1	2 to 1	5 to 2
Max. Resolution / Distance	1080p@600 m	1080p@20 km	1080p@30 m	1080p@30 m
IR Channel	•	•	•	•
RS-232 Channel	•	•		
Max. Bandwidth	225 MHz	225 MHz	225 MHz	225 MHz
Power Consumption	DC5.3V, 5.6W	DC5.3V, 5.1W	VE809T: DC5V, 10W; VE809R: DC5V, 7.5W	VE829T: DC5V, 9.5W; VE829R: DC5V, 6.7W
Housing	Metal			Plastic
Weight	0.42 kg	0.42 kg	VE809T: 0.21 kg, VE809R: 0.13 kg	VE829T: 0.30 kg, VE829R: 0.13 kg
Dimensions (L x W x H)	14.69 x 10.30 x 3.00 cm	14.69 x 10.30 x 3.00 cm	VE809T: 18.20 x 9.65 x 3.15 cm VE809R: 9.50 x 9.50 x 3.15 cm	VE829T: 23.40 x 9.65 x 3.25 cm VE829R: 9.50 x 9.50 x 3.55 cm

Video Extenders					
Model	VE801	VE802	VE812	VE813	VE814
Input to Outputs	1 to 1	1 to 1	1 to 1	1 to 1	1 to 2
Max. Resolution / Distance	4K@35 m (Cat 5e/6) / 40 m (Cat 6a)	4K@35 m (Cat 5e/6) / 40 m (Cat 6a)	4K@70 m (Cat 5e/6)	4K@70 m (Cat 5e/6) / 100 m (Cat 6a)	4K@70 m (Cat 5e/6) / 100 m (Cat 6a)
IR Channel		•			•
RS-232 Channel		•			•
USB Channel				•	
Max. Bandwidth	340 MHz	340 MHz	340 MHz	340 MHz	340 MHz
Power Consumption	VE801T: DC5V, 1.85W; VE801R: DC5V, 4.23W	VE802T: DC5V, 3.6W; VE802R: DC5V, 4W	VE812T: DC5.3V, 1.9W; VE812R: DC5.3V, 4.5W	VE813T: DC5V, 5.75W; VE813R: DC5V, 13.25W*	VE814T: DC5.3V, 8.5W; VE814R: DC5.3V, 13.3W
Housing	Metal				
Weight	VE801T: 0.24 kg, VE801R: 0.25 kg	VE802T: 0.44 kg, VE802R: 0.46 kg	0.43 kg	0.61 kg	0.43 kg
Dimensions (L x W x H)	10.31 x 8.70 x 3.00 cm	14.49 x 12.30 x 3.00 cm	14.17 x 10.30 x 3.00 cm	18.20 x 11.61 x 2.87 cm	14.17 x 10.30 x 3.00 cm

Note: For the VE813R, power consumption will be 13.25W when all 3 USB connectors are occupied.

Video Extenders				
Model	VE800A	VE803	VE810	VE806
Input to Outputs	1 to 1	1 to 1	1 to 1	1 to 1
Max. Resolution / Distance	1080 p@40 m; 1080i@60 m	1080 p@40 m; 1080i@60 m	1080 p@40 m; 1080i@60 m	1080 p@40 m; 1080i@60 m
IR Channel			•	
USB Channel		•		
Video Quality Control	Equalization Adjustment	Equalization Adjustment	Equalization Adjustment	Equalization Adjustment
Max. Bandwidth	225 MHz	225 MHz	225 MHz	225 MHz
Power Consumption	VE800AT: DC5V, 1W; VE800AR: DC5V, 0.75W	VE803L: DC5V, 1W; VE803R: DC5V, 3.9W	VE810L: DC5V, 1.52W; VE810R: DC5V, 1.35W	DC9V, 2.9W
Housing	Metal			
Weight	0.16 kg	0.16 kg	0.15 kg	0.17 kg
Dimensions (L x W x H)	9.00 x 5.50 x 2.40 cm	9.00 x 5.74 x 2.40 cm	9.00 x 5.76 x 2.40 cm	10.11 x 4.44 x 4.40 cm

HDMI Products At a Glance

Video Converters					
Model	VC840	VC812	VC810	VC480	VC182
Input to Outputs	HDMI to SDI	HDMI to VGA	HDMI to VGA	SDI to HDMI	VGA to HDMI
Max. Video Resolution	2048 x 1080	1920 x 1200	1920 x 1200	2048 x 1080	1920 x 1200
Audio	•	•		•	•
Scaler		•			•
Power Consumption	DC5V, 3.5W	DC5V, 10W	N/A	DC5V, 10W	DC5V, 5W
Housing	Metal	Metal	Plastic	Metal	Metal
Weight	0.29 kg	0.29 kg	0.01 kg	0.29 kg	0.31 kg
Dimensions (L x W x H)	12.22 x 10.70 x 3.04 cm	11.00 x 8.30 x 2.80 cm	4.55 x 2.30 x 1.48 cm	12.30 x 10.87 x 3.05 cm	11.00 x 8.30 x 2.80 cm

Video Converters				
Model	VC180	VC980	VC880	VC080
Input to Outputs	VGA to HDMI	Mini DisplayPort to HDMI	HDMI	HDMI
Max. Video Resolution	1080 p	1920 x 1200	1920 x 1080	1920 x 1200
Audio	•	•	•	•
RS-232 Channel				•
EDID Wizard				•
Power Consumption	DC5.3V, 3.2W	N/A	DC5.3V, 0.8W	DC5V, 0.15W
Housing	Metal	Plastic	Metal	Metal
Weight	0.15 kg	0.06 kg	0.46 kg	0.15 kg
Dimensions (L x W x H)	7.90 x 7.46 x 2.44 cm	12.00 x 2.10 x 1.80 cm	20.00 x 8.20 x 2.50 cm	7.90 x 7.16 x 2.45 cm