



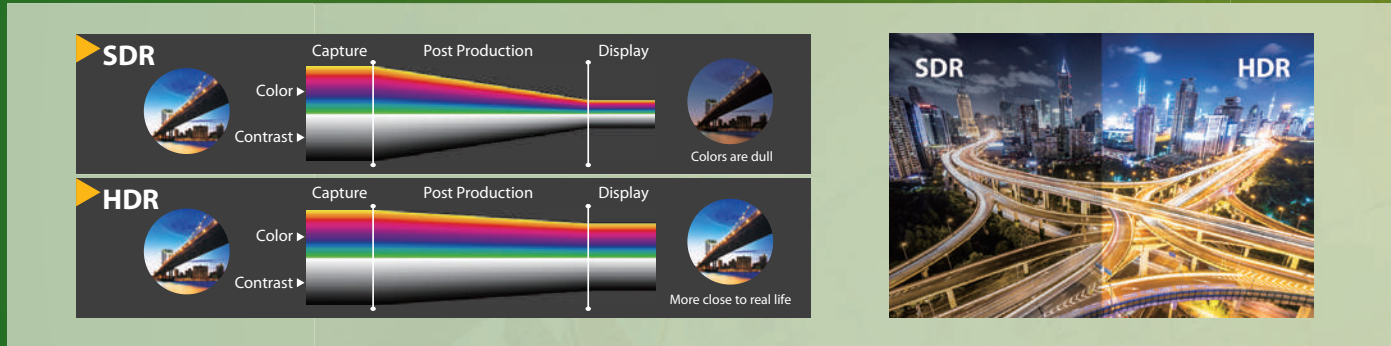
Professional A/V solutions for any setup.

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Be Sharper with ATEN's True 4K Series with HDR

The increasing popularity of High Dynamic Range (HDR) technology is giving displays an upgrade in terms of contrast and color depth, delivering much more vivid video than SDR, as you can see in the comparison below:



To ensure delivering the best quality HDR video signals, ATEN fully tested our True 4K Series with HDR meeting the following requirements:

- 1. Supports enough bandwidth for HDR content***
- 2. Supports comprehensive EDID settings to ensure output capability**
- 3. Transmits complete InfoFrame data**

*Bandwidth depends on the color sampling and color depth of your video signals.

Key Features



Supports up to 4096 x 2160/3840 x 2160 @ 60Hz 4:4:4



Supports HDR10, Dolby Vision, and Hybrid Log Gamma (HLG)



Supports up to 18Gbps for the 4K HDR requirement.



HDCP 2.2 compatible

Recommended Products



Video Matrix Switches

VM0404HB/VM0808HB

4 x 4 / 8 x 8 True 4K HDMI Matrix Switch



Switches

VS481C

4-Port True 4K HDMI Switch



VS0801HB

8-Port True 4K HDMI Switch



Splitters

VS0108HB

8-Port True 4K HDMI Splitter



VS182B/VS184B

2/4-Port True 4K HDMI Splitter



Extenders

VB800

True 4K HDMI Booster (4K@20m)



VE1832

True 4K HDMI/USB HDBaseT 2.0
Extender (True 4K@100m)



True 4K HDMI 2.0 Active Optical Cable

VE7832 – 15m

VE7833 – 30m

VE7834 – 60m

VE7835 – 100m



Presentation Switches

Collaborative Series - VP2730

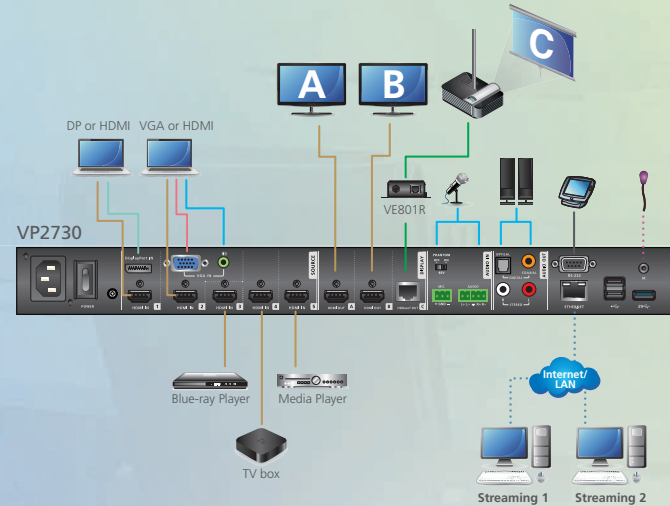
- Streaming in/out 1920 x 1080
- Ultra Seamless Switch
- Multi-view flexibility
- Multiple audio in/out
- Integrates with ATEN Control System
- Control: Pushbuttons, Ethernet, Serial, OSD, IR

Core Series - VP1920

- Supports 4096 x 2160
- USB Control switching
- Multiple audio in/out
- Integrates with ATEN Control System
- Control: Pushbuttons, Serial, OSD, IR

Model	VP1920	VP2730
Max Resolutions	Up to 4K@60Hz (4:2:0)	Up to 1920 x 1200@60Hz
HDCP	HDCP 1.4	HDCP 1.4
Video Inputs		
HDMI	6	5
DisplayPort	1	1
VGA	1	1
Component	1	N/A
Composite	1	N/A
Video Outputs		
HDMI	2	2
HDBaseT	N/A	1
Audio Inputs		
VGA In	1*Stereo	1
Line In	N/A	1*Balanced
Phantom Powered Microphone	N/A	•
Audio Outputs		
RCA	1 (R/L)	1 (R/L)
Toslink	1	1
Coaxial	1	1

.....Network — DisplayPort — HDMI — DVI-D — VGA — HDBaseT — Cat5e/6 — Audio — IR — Serial



A multi-in-one collaborative presentation solution facilitates distance-free sharing with advanced audio.

**Product
VP2730**



Video over IP Extenders

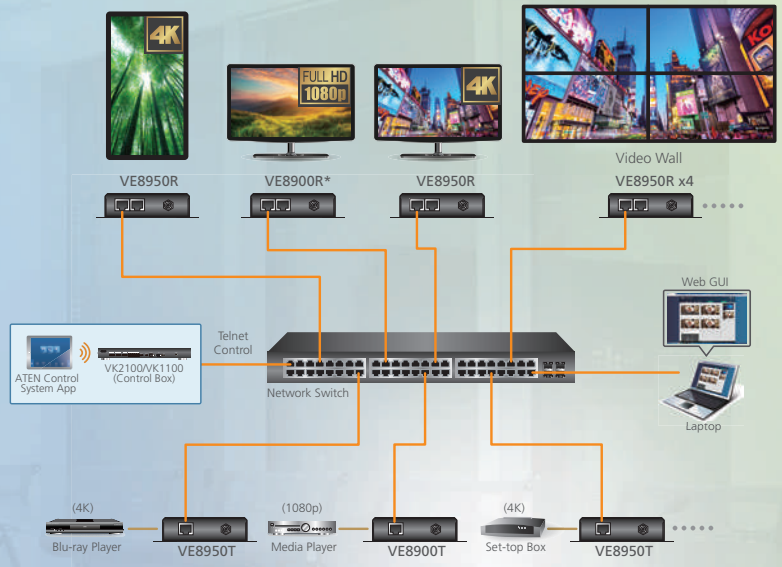
- Vertical and horizontal video wall support
- Daisy chainable
- Extra audio channel
- Integrates with ATEN Control System
- Intuitive Web GUI control
- Touch screen support (USB)
- IR, serial bi-directional by-pass

Create a stunning video wall with no distance limitations over a 1GB Ethernet network

**Product
VE8950**



— HDMI — Cat5e/6



Note*: VE8900R supports up to 1080p. Downscaling from 4K to 1080p is not available on this model.

	Interface	Resolution	Distance
VE8900	HDMI	Up to 1920 x 1080	LAN
VE8950	HDMI	Up to 4096 x 2160	LAN

Seamless Modular Matrix Switches

- Seamless Switch™ *
- Scaling per output*
- FrameSync to prevent screen-tearing**
- Video wall function*
- Up to 100m with HDBaseT**
- Redundant power design
- Remote Control: Web GUI, Serial, Telnet
- Rack mountable

*VM8514 Seamless Switch, scaler and video wall functions are only available when used with the VE805R/VE816R

**Feature support depends on which I/O board is inserted

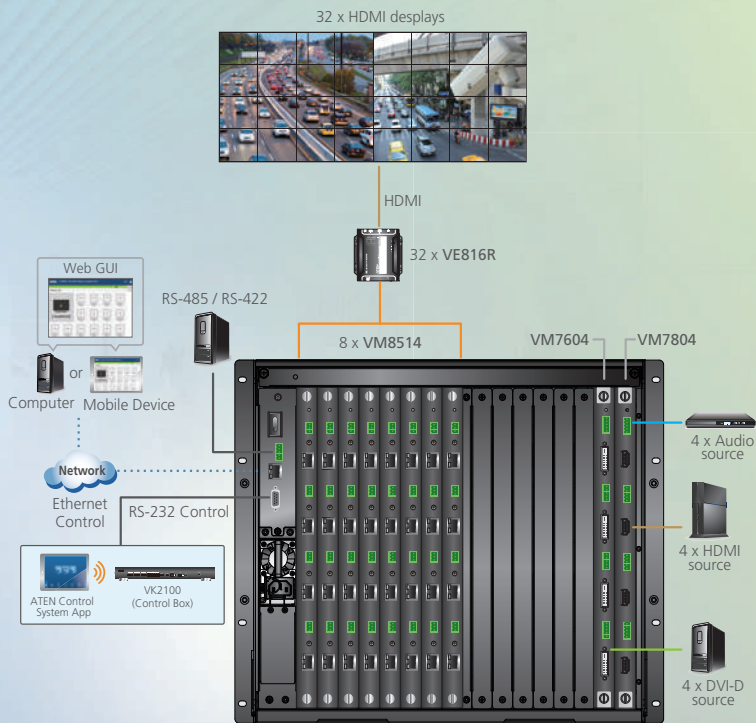


	Size	input x output	Live stream in web GUI
VM1600A	6U	16 x 16	X
VM3200	9U	32 x 32	V

4-Port Input and Output Boards

	Interface	Input / Output	Resolution
VM7904	DisplayPort	Input	Up to 4096 x 2160
VM7814	HDMI	Input	Up to 4096 x 2160
VM8814		Output	
VM7804	HDMI	Input	Up to 1920 x 1080
VM8804		Output	
VM7514	HDBaseT	Input	Up to 4096 x 2160
VM8514		Output	
VM7604	DVI-D	Input	Up to 1920 x 1200
VM8604		Output	
VM7104	VGA	Input	Up to 1920 x 1200
VM7404	3G/HD/SD-SDI	Input	Up to 1920 x 1080

..... Network — HDMI — DVI-D — Cat5e/6 — Audio — Serial



Control a video wall with various interfaces and 64 connection profiles

Seamless Matrix Switches

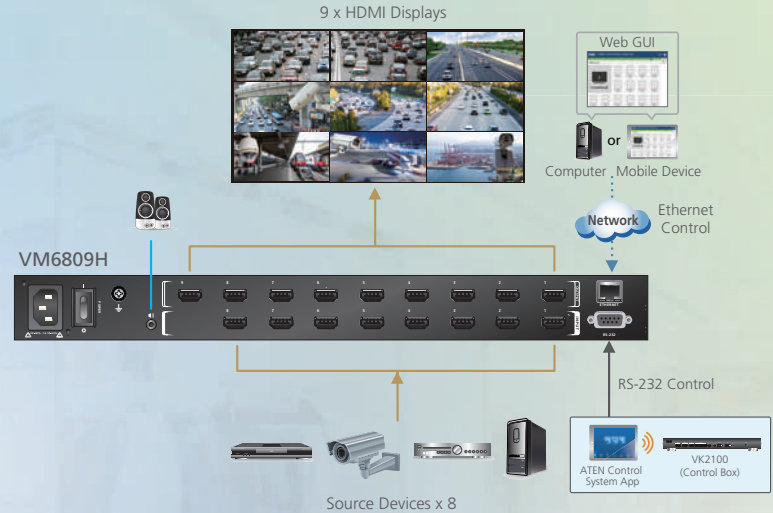
- Seamless Switch™ **
- Scaling per output **
- FrameSync to prevent screen-tearing*
- Video wall function**
- Up to 70m with HDBaseT*
- Remote Control: Web GUI, IR, Serial, Telnet
- Rack mountable

*Feature support varies by model

**Use VM3404H/VM3909H with VE805R/VE816R HDBaseT Lite extender to enable video wall and Seamless Switch function



..... Network — HDMI — Audio — Serial



Impress with a stunning 4K videowall.

**Product
VM6809H**



	Interface	Input x Output	Resolution	Seamless Switch	FrameSync
VM6404H/VM6809H	HDMI	4 x 4 / 8 x 9	Up to 4096 x 2160	V	V
VM3404H/VM3909H	HDMI/HDBaseT	4 x 4 / 9 x 9	Up to 4096 x 2160	V**	V (with VE816R)
VM5404H/VM5808H/ VM51616H	HDMI	4 x 4 / 8 x 8 / 16 x 16	Up to 1920 x 1080	V	VM51616H
VM5404D/VM5808D	DVI-D	4 x 4 / 8 x 8	Up to 1920 x 1200	V	N/A

Matrix Switches

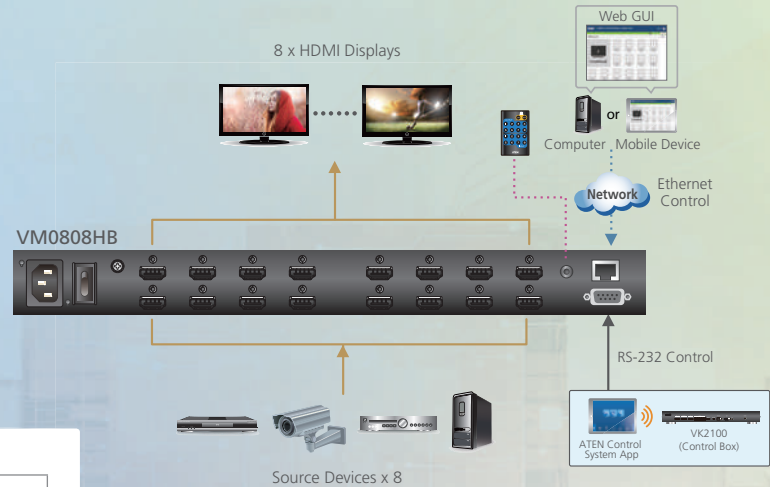
- Up to True 4K (4096 x 2160 @60Hz 4:4:4)
- HDR (VM0404HB, VM0808HB)
- EDID Expert
- HDCP2.2 (VM0404HB, VM0808HB, VM0808HA)
- Remote Control: Web GUI, IR, Serial, Telnet
- Rack mountable

* Feature support varies by model



	Interface	Input x Output	Resolution
VM0404HB	HDMI	4 x 4	Up to 4096 x 2160 @60Hz 4:4:4
VM0808HB	HDMI	8 x 8	Up to 4096 x 2160 @60Hz 4:4:4
VM0404HA	HDMI	4 x 4	Up to 4096 x 2160 @60Hz 4:2:0
VM0808HA	HDMI	8 x 8	Up to 4096 x 2160 @60Hz 4:2:0
VM0202H	HDMI	2 x 2	Up to 4096 x 2160 @60Hz 4:2:0
VM0404	VGA	4 x 4	Up to 1920 x 1200

..... Network — HDMI IR — Serial



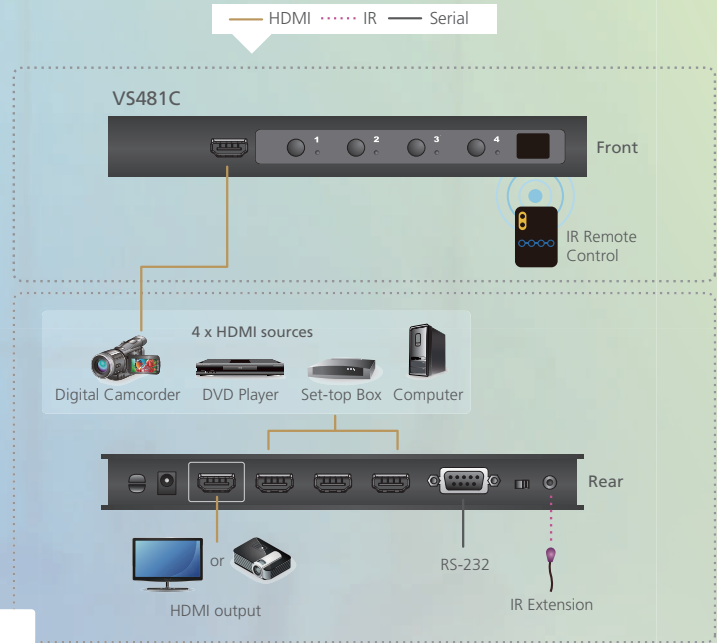
Easily matrix switch between eight True 4K sources.



Switches

- Single and dual view
- Up to True 4K (4096 x 2160 @60Hz 4:4:4)
- HDR (VS0801HB, VS481C)
- Audio return channel
- Rack mountable, 1U (VS0801HB, VS481C, VS482)
- Remote control: IR, Serial, OSD*

* Feature support varies by model



	Interface	Input x Output	Resolution
VS0801HB	HDMI	8 x 1	Up to 4096 x 2160 @60Hz 4:4:4
VS481C	HDMI	4 x 1	Up to 4096 x 2160 @60Hz 4:4:4
VS482	HDMI	4 x 2	Up to 1920 x 1080
VS381	HDMI	3 x 1	Up to 1920 x 1080
VS261	DVI-I + Audio	2 x 1	Up to 1920 x 1200
VS461	DVI-I + Audio	4 x 1	Up to 1920 x 1200

Easily switch between four True 4K sources

**Product
VS481C**



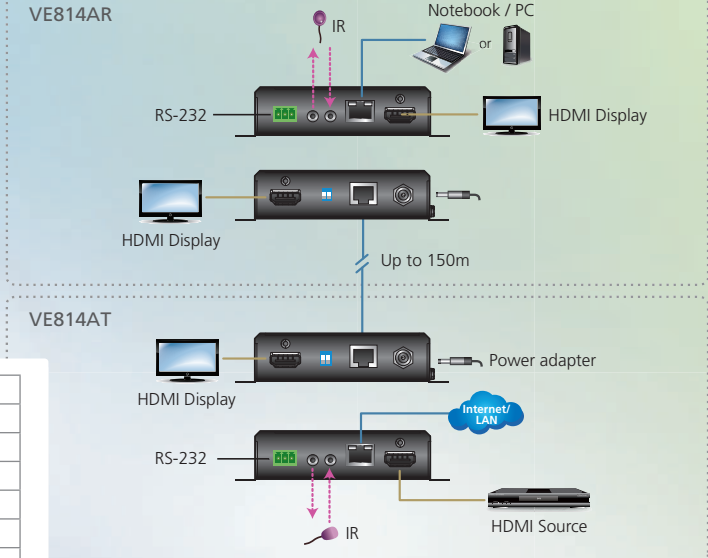
Extenders

- Up to True 4K (4096 x 2160 @60Hz 4:4:4)
- HDR (VE1832/VE7832/VE7833/VE7834/VE7835)
- Up to 150m with HDBaseT Long Reach Mode
- Power over HDBaseT (VE802, VE1812)
- Bi-directional IR and RS-232 channel (VE802, VE814A, VE1812, VE1832, VE2812T, VE883)
- Rack mountable



	Interface	Resolution	Distance
HDBaseT Class A			
VE811	HDMI, HDBaseT	Up to 4096 x 2160 – 1920 x 1080	70 – 150m
VE812	HDMI, HDBaseT	Up to 4096 x 2160 – 1920 x 1080	70 – 100m
VE813A	HDMI, HDBaseT, USB	Up to 4096 x 2160 – 1920 x 1080	70 – 100m
VE814A	HDMI, HDBaseT	Up to 4096 x 2160 – 1920 x 1080	70 – 150m
VE1832	HDMI, HDBaseT	Up to 4096 x 2160 @ 60Hz 4:4:4	70 – 150m
VE1812	HDMI, HDBaseT	Up to 4096 x 2160 – 1920 x 1080	70 – 150m
VE2812T	HDMI, VGA, HDBaseT	Up to 4096 x 2160 – 1920 x 1080	70 – 150m
HDBaseT Class B			
VE801	HDMI, HDBaseT	Up to 4096 x 2160 – 1920 x 1080	40 – 70m
VE802	HDMI, HDBaseT	Up to 4096 x 2160 – 1920 x 1080	40 – 70m
VE901	DisplayPort, HDBaseT	Up to 4096 x 2160 – 1920 x 1080	40 – 70m
VE601	DVI, HDBaseT	Up to 1920 x 1200	70m
Fiber			
VE883	HDMI, Fiber, USB	Up to 4096 x 2160	10km
AOC			
VE7832/VE7833 VE7834/VE7835	HDMI	Up to 4096 x 2160 @ 60Hz 4:4:4	15 – 100m

..... Network — HDMI — Cat5e/6 IR — Serial



Extends HDMI signals to one local and two remote displays up to 150m.

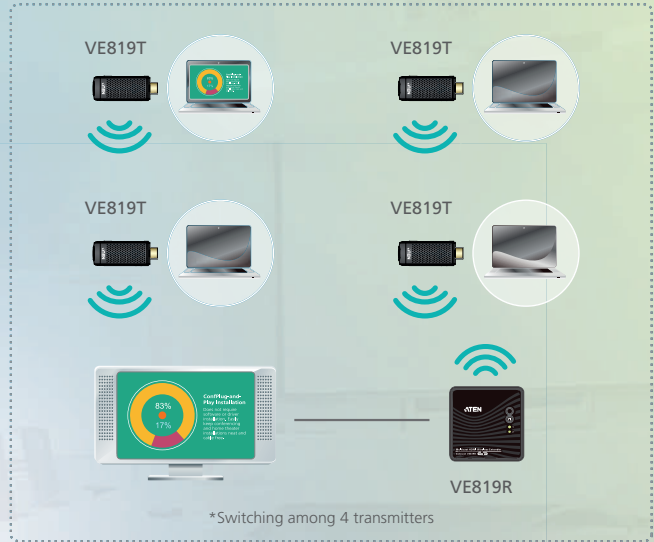


Wireless Extenders

- Up to 1080p @ 30m (line of sight)*
- Uncompressed Full HD video & zero latency
- Plug-and-play
- No extra software/driver installation needed
- WHDI Technology
- Secure content transmission

Wirelessly extend an HDMI display up to 10m* from the HDMI source

**Product
VE819**



	Interface	Input x Output	Resolution / Distance
VE849	HDMI/Wireless	2 x 5	Up to 1920 x 1080 @ 30m
VE829		5 x 2	Up to 1920 x 1080 @ 30m
VE819		1 x 1	Up to 1920 x 1080 @ 10m
VE809		2 x 2	Up to 1920 x 1080 @ 30m

* Distance may vary depending on the actual environment; solid objects such as steel, concrete or brick may cause interference and shorten transmission distances.



Splitters

- Up to 8 screens
- Up to True 4K (4096 x 2160 @60Hz 4:4:4)
- HDR (VS0108HB, VS182B, VS184B)
- Up to 100m with HDBaseT (VS1814T, VS1818T)
- Remote control: Serial*

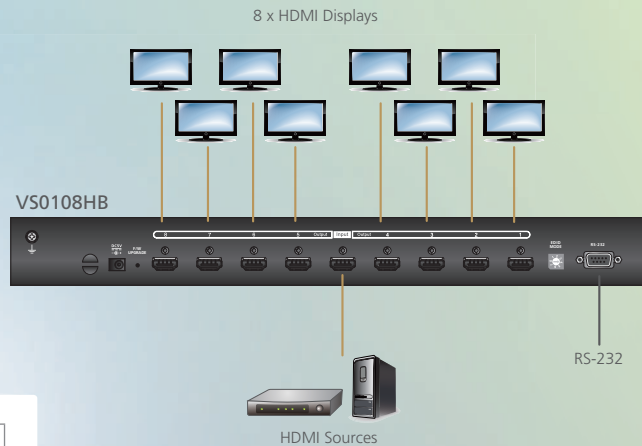
* Feature support varies by model



	Interface	Input x Output	Resolution
VS0108HB	HDMI	1 x 8	Up to 4096 x 2160 @60Hz 4:4:4
VS182B/VS184B	HDMI	1 x 2 / 1 x 4	Up to 4096 x 2160 @60Hz 4:4:4
VS182A/VS184A/ VS0108HA	HDMI	1 x 2 / 1 x 4 / 1 x 8	Up to 4096 x 2160 @60Hz 4:2:0
VS1804T/VS1808T	HDMI, RJ-45	1 x 4 / 1 x 8	Up to 1920 x 1080
VS1814T/VS1818T	HDMI, HDBaseT	1 x 4 / 1 x 8	Up to 4096 x 2160 @60Hz 4:2:0
VS192/VS194	DisplayPort	1 x 2 / 1 x 4	Up to 4096 x 2160
VS172/VS174	DVI-D + Audio	1 x 2 / 1 x 4	Up to 2560 x 1600
VS162/VS164	DVI-I + Audio	1 x 2 / 1 x 4	Up to 1920 x 1200
VS146	3G/HD/SD-SDI	1 x 6	Up to 1920 x 1080

* VS194 support True 4K (4096 x 2160 @60Hz 4:4:4)

— HDMI — Serial



Distribute True 4K content to 8 displays.

**Product
VS0108HB**





Corporate Headquarters

ATEN International Co., Ltd.

3F, No.125, Sec. 2, Datung Rd., Sijhih District,
New Taipei City 221, Taiwan

Phone: +886-2-8692-6789 Fax: +886-2-8692-6767
www.aten.com E-mail: marketing@aten.com

America Region:

ATEN Technology Inc.

15365 Barranca Parkway, Irvine, CA 92618, U.S.A

Phone: +1-949-428-1111 Fax: +1-949-428-1100

www.aten.com/us/en/ E-mail: sales@aten-usa.com

ATEN New Jersey Inc.

220 Davidson Avenue, Suite 404 Somerset,

NJ 08873, U.S.A

Phone: +1-732-356-1703 Fax: +1-732-356-1639

www.aten.com/us/en/ E-mail: sales@aten-usa.com

EMEA Region:

ATEN Infotech N.V.

Mijnwerkerslaan 34, 3550 Heusden-Zolder, Belgium

Phone: +32-11-531543 Fax: +32-11-531544

www.aten.com/eu/en/ E-mail: sales@aten.be

ATEN U.K. Limited

466 Malton Avenue, Slough SL1 4QU, U.K.

Phone: +44-1753-539-121 Fax: +44-1753-215-253

www.aten.com/gb/en/ E-mail: sales@aten.co.uk

ATEN Poland Sp. z o. o.

2 Gottlieb Daimler street 02-460 Warsaw, Poland

Phone: +48-669-062-112

http://www.aten.com/pl/pl/ E-mail: poland@aten.com

ATEN Russia

Office 14212, No.14 Sereblyakova proezd,
Moscow, Russia.

Phone: +7-495-134-2808

www.aten.com/ru/ru/ E-mail: russia@aten.com

ATEN Info Iletisim Ltd.

Beştepe Mah.Yaşam Cad. 13-A/76

Yenimahalle Ankara, Turkey

Phone: +90-312-284-00-27

www.aten.com/eu/en/ E-mail: turkey@aten.com

Oceania Region:

ATEN ANZ Pty Ltd.

Suite 3, 19, 32 Delhi Road, North Ryde,

NSW 2113, Australia

Phone: +61-2-9114-9933 Fax: +61-2-8072-3723

www.aten.com/au/en/ E-mail: sales@au.aten.com

Asia Pacific Region:

ATEN China Co., Ltd.

18/F, Tower A, Horizon International Tower, No.6,

Zhichun Road, Haidian District, Beijing, China 100088

Phone: +86-10-8296-1301/1302 Fax: +86-10-8296-1318

www.aten.com/cn/zh/ E-mail: sales@aten.com.cn

ATEN Japan Co., Ltd.

Tokyo Headquarters

ATEN Bldg. 8-4, Minami-senjiyu 3-chome, Arakawa-ku,

Tokyo 116-0003, Japan

Phone: +81-3-5615-5810 Fax: +81-3-3891-3810

http://www.aten.com/jp/ja/ E-mail: info@atenjapan.jp

Osaka Branch

Awajimachi Dai-Building 3F

3-1-9, Awajimachi, Chuo-ku, Osaka-shi, 541-0047, Japan

Phone: +81-6-6229-5810 Fax: +81-6-6229-8810

http://www.aten.com/jp/ja/ E-mail: info@atenjapan.jp

ATEN Korea Co., Ltd.

B-303, 32, Digital-ro 9-gil, Geumcheon-gu,

Seoul 08512, Korea

Phone: +82-2-467-6789 Fax: +82-2-467-9876

www.aten.com/kr/ko/ E-mail: sales@aten.co.kr

Atech Peripherals, Inc.

6F, No.133, Sec. 2, Datung Rd., Sijhih District,

New Taipei City 221, Taiwan.

Phone: +886-2-8692-6969 Fax: +886-2-8692-6926

www.aten.com/tw/zh/ E-mail: taiwan@aten.com

ATEN India Rep. Office

Unit 406, 4th Floor, Barton Center, M.G. Road,

Bangalore - 560001, India

Phone 1: +91-80-48517231 Phone 2: +91-9686151525

E-mail: South-Asia@aten.com

