

ENFORCER®

4K HDMI® Splitters Manual



MVD-AH14-01Q shown

MVD-AH12-01Q	4K 1x2 HDMI Splitter
MVD-AH14-01Q	4K 1x4 HDMI Splitter
MVD-AH18-01Q	4K 1x8 HDMI Splitter



- Transmit an HDMI source to up to eight different HDMI displays
- Supports up to 4K resolution and 3D video

- Individual status LEDs for each HDMI output
- EDID Management settings
- One (1) 5VDC Power supply included

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Introduction:

The ENFORCER 4K HDMI Splitters allow for one HDMI source to simultaneously transmit to up to eight different monitors. The splitters work with most HDMI devices, delivering the very best in digital audio and video signals with HD resolutions of up to 4K. LED Indicators clearly display power status as well as which outputs are active. The 4K HDMI Splitters can be daisy chained up to four levels for even more outputs.

Specifications:

Model	MVD-AH12-01Q	MVD-AH14-01Q	MVD-AH18-01Q
Type	4K HDMI Splitter		
Input video signal	3.3V		
Input DDC signal	5Vp-p (TTL)		
Maximum single link range	4K*2K@30hz		
Deep color	48bit		
Video formats supported	High-speed HDMI, HDCP 1.4		
Audio formats supported	LPCM, Dolby-AC3, DTS7.1, DSD		
Output video	HDMI		
Resolutions supported	4K/1080p/1080i/720p/576p/576i/480p/480i		
Video amplifier bandwidth	10.2Gbps		
Video input connector	1x HDMI Type A 19-pin female		
Max. input cable length	24AWG: 50' (15m); 26AWG: 30' (10m); 28AWG: 16' (5m)		
Video output connector	2x HDMI Type A 19-pin female	4x HDMI Type A 19-pin female	8x HDMI Type A 19-pin female
Max. output cable length	24AWG: 50' (15m); 26AWG: 32' (10m); 28AWG: 16' (5m)		
Operating voltage	5VDC		
Power supply	1A@5VDC (2.1mm plug)	2A@5VDC (2.1mm plug)	
ESD protection	±8kV (air-gap discharge), ±4kV (contact discharge)		
Current draw	650mA@5VDC		1820mA@5VDC
Operating temperature	32°~104° F (0°~40° C)		
Operating humidity	20~90% RH (no condensation)		
Dimensions	2 ³ / ₈ "x2 ³ / ₄ "x1 ³ / ₁₆ " (60x70x20 mm)	2 ³ / ₄ "x5 ³ / ₁₆ "x1" (70x147x25 mm)	4 ⁷ / ₁₆ "x10 ³ / ₁₆ "x1 ¹ / ₄ " (112x258x32 mm)
Weight	4.4-oz (125g)	10.5-oz (300g)	25.4-oz (720g)

Parts List:

1x 4K HDMI Splitter

1x 5VDC Power supply

1x Manual

EDID Management Settings:

MVD-AH12-01Q:

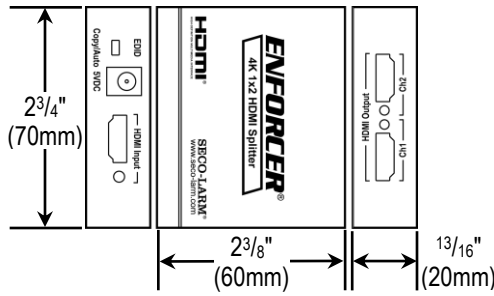
- Copy: Copy Output 2's EDID to the Input port
- Auto: Compare the EDID for Outputs 1 and 2

MVD-AH14-01Q and MVD-AH18-01Q:

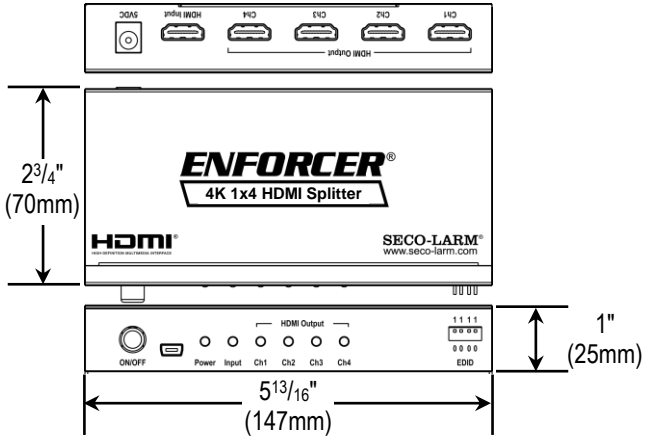
Position	EDID Description
0 0 0 0	Copy EDID from HDMI OUT1
0 0 0 1	1080p, 2CH AUDIO
0 0 1 0	1080p, DOLBY/DTS 5.1
0 0 1 1	1080p, HD AUDIO
0 1 0 0	1080i, 2CH AUDIO
0 1 0 1	1080i, DOLBY/DTS 5.1
0 1 1 0	1080i, HD AUDIO
0 1 1 1	3D, 1080p, 2CH AUDIO
1 0 0 0	3D, 1080p, DOLBY/DTS 5.1
1 0 0 1	3D, 1080p, HD AUDIO
1 0 1 0	4Kx2K, 2CH AUDIO
1 0 1 1	4Kx2K, DOLBY/DTS 5.1
1 1 0 0	4Kx2K, HD AUDIO
1 1 0 1	1080p, 2CH AUDIO
1 1 1 0	1080p, 2CH AUDIO
1 1 1 1	Auto Compare HDMI OUT EDID

Overview:

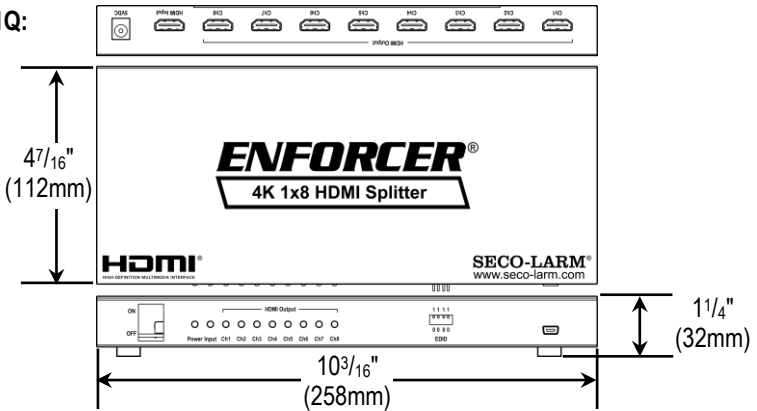
MVD-AH12-01Q:



MVD-AH14-01Q:



MVD-AH18-01Q:



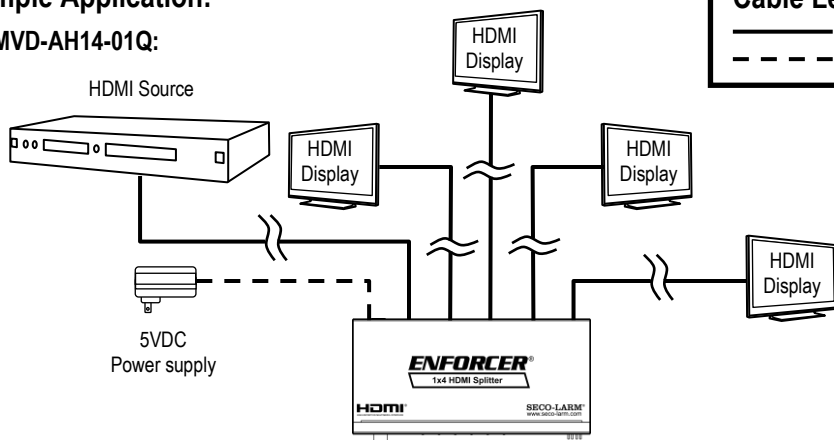
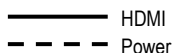
Installation:

1. Determine the location of where the 4K HDMI Splitter will be installed in relation to the HDMI source and HDMI displays.
2. Plug the HDMI source into the HDMI connector input on the splitter.
3. Plug the HDMI displays into the HDMI connector outputs on the splitter.
4. Plug the 5VDC adapter into the splitter.
5. Turn the HDMI sources and display device on.
6. Adjust the EDID settings as necessary.

Sample Application:

MVD-AH14-01Q:

Cable Legend:



For maximum cable length, see Specifications.

Troubleshooting:

HDMI Device does not function correctly.

- Make sure the splitter is powered.
- Make sure the source and display(s) are powered.
- Make sure that there are no problems with the HDMI source, HDMI cables, or HDMI display(s) by plugging a source directly into the display using the HDMI cables.
- Make sure that the source and display(s) are plugged in to the correct connectors.
- Make sure the HDMI source is compatible with the HDMI display(s).
- Make sure the HDMI input and output cables are used within the specified range (see Specifications).

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