

# **HDMI Extender over Two Wires**

### **MVE-AH1T1-01YQ**

The ENFORCER HDMI Extender over Two Wires extends the range of traditional HDMI cabling methods by using an active transmitter and receiver to send video and audio over any two copper wires including Cat5e/6 cables, telephone wires, and coaxial cables.

#### Features:

- Extends HDMI up to 984ft (300m) at 1080p over two wires
- Supports resolutions from 480i to 1080p with zero signal loss
- Plug and play operation comes as a complete set
- HDMI Loop output for local HDMI display
- Two (2) 12VDC power supplies included
- Bi-directional RS-232 pass-through
- IR Pass-through for remote control extension and operation









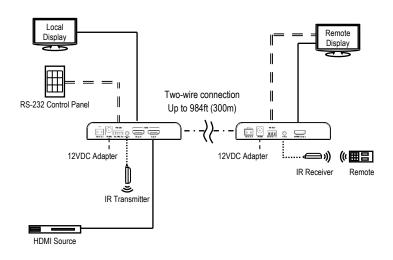




### **Specifications:**

Input DDC signal   SVp-p (TTL)	Input video signal		3.3V
Deep color         24bit           Video formats supported         High-speed HDMI, HDCP 1.3           Audio formats supported         PCM           Output video         HDMI           Resolutions supported         1080p/1080i/720p/576p/576i/480p/480i           Range         Up to 984' (300m)           Video input/output connector         HDMI Type A 19-pin female           Max. input/output cable length         24AWG (15m), 26AWG (10m), 28AWG (5m)           IR Pass-through frequency         20~60 kHz           RS-232 Pass-through baud-rate         Up to 115,200           Operating voltage         12VDC           Power supply         2A@12VDC (2.1mm plug) x2           ESD Protection (human body model)         ±8kV (Air-gap discharge), ±4kV (Contact discharge)           Current draw         Transmitter Receiver         625mA@12VDC           Operating temperature         32°~140° F (0°~60° C)           Dimensions         51/6"x15/16" (x37/16" (130x23x87 mm)	Input DDC signal		5Vp-p (TTL)
Video formats supported         High-speed HDMI, HDCP 1.3           Audio formats supported         PCM           Output video         HDMI           Resolutions supported         1080p/1080i/720p/576p/576i/480p/480i           Range         Up to 984' (300m)           Video input/output connector         HDMI Type A 19-pin female           Max. input/output cable length         24AWG (15m), 26AWG (10m), 28AWG (5m)           IR Pass-through frequency         20~60 kHz           RS-232 Pass-through baud-rate         Up to 115,200           Operating voltage         12VDC           Power supply         2A@12VDC (2.1mm plug) x2           ESD Protection (human body model)         ±8kV (Air-gap discharge), ±4kV (Contact discharge)           Current draw         Transmitter 625mA@12VDC           Receiver         580mA@12VDC           Operating temperature         32°~140° F (0°~60° C)           Dimensions         51/6"x15/16" (x37/16" (130x23x87 mm)	Maximum single link range		1080p
Audio formats supported         PCM           Output video         HDMI           Resolutions supported         1080p/1080i/720p/576p/576i/480p/480i           Range         Up to 984' (300m)           Video input/output connector         HDMI Type A 19-pin female           Max. input/output cable length         24AWG (15m), 26AWG (10m), 28AWG (5m)           IR Pass-through frequency         20~60 kHz           RS-232 Pass-through baud-rate         Up to 115,200           Operating voltage         12VDC           Power supply         2A@12VDC (2.1mm plug) x2           ESD Protection (human body model)         ±8kV (Air-gap discharge), ±4kV (Contact discharge)           Current draw         Transmitter 625mA@12VDC           Receiver         580mA@12VDC           Operating temperature         32°~140° F (0°~60° C)           Dimensions         51/6"x15/16" (x37/16" (130x23x87 mm)	Deep color		24bit
Output video         HDMI           Resolutions supported         1080p/1080i/720p/576p/576i/480p/480i           Range         Up to 984' (300m)           Video input/output connector         HDMI Type A 19-pin female           Max. input/output cable length         24AWG (15m), 26AWG (10m), 28AWG (5m)           IR Pass-through frequency         20~60 kHz           RS-232 Pass-through baud-rate         Up to 115,200           Operating voltage         12VDC           Power supply         2A@12VDC (2.1mm plug) x2           ESD Protection (human body model)         ±8kV (Air-gap discharge), ±4kV (Contact discharge)           Current draw         Transmitter         625mA@12VDC           Current draw         Receiver         580mA@12VDC           Operating temperature         32°~140° F (0°~60° C)           Dimensions         51/6"x15/16" (x37/16" (130x23x87 mm)	Video formats supported		High-speed HDMI, HDCP 1.3
Resolutions supported         1080p/1080i/720p/576p/576i/480p/480i           Range         Up to 984' (300m)           Video input/output connector         HDMI Type A 19-pin female           Max. input/output cable length         24AWG (15m), 26AWG (10m), 28AWG (5m)           IR Pass-through frequency         20~60 kHz           RS-232 Pass-through baud-rate         Up to 115,200           Operating voltage         12VDC           Power supply         2A@12VDC (2.1mm plug) x2           ESD Protection (human body model)         ±8kV (Air-gap discharge), ±4kV (Contact discharge)           Current draw         Transmitter 625mA@12VDC           Receiver         580mA@12VDC           Operating temperature         32°~140° F (0°~60° C)           Dimensions         51/6"x15/16" (x37/16" (130x23x87 mm)	Audio formats supported		PCM
Range         Up to 984' (300m)           Video input/output connector         HDMI Type A 19-pin female           Max. input/output cable length         24AWG (15m), 26AWG (10m), 28AWG (5m)           IR Pass-through frequency         20~60 kHz           RS-232 Pass-through baud-rate         Up to 115,200           Operating voltage         12VDC           Power supply         2A@12VDC (2.1mm plug) x2           ESD Protection (human body model)         ±8kV (Air-gap discharge), ±4kV (Contact discharge)           Current draw         Transmitter 625mA@12VDC           Receiver         580mA@12VDC           Operating temperature         32°~140° F (0°~60° C)           Dimensions         51/6"x15/16" (x37/16" (130x23x87 mm)	Output video		HDMI
Video input/output connector         HDMI Type A 19-pin female           Max. input/output cable length         24AWG (15m), 26AWG (10m), 28AWG (5m)           IR Pass-through frequency         20~60 kHz           RS-232 Pass-through baud-rate         Up to 115,200           Operating voltage         12VDC           Power supply         2A@12VDC (2.1mm plug) x2           ESD Protection (human body model)         ±8kV (Air-gap discharge), ±4kV (Contact discharge)           Current draw         Transmitter 625mA@12VDC           Receiver         580mA@12VDC           Operating temperature         32°~140° F (0°~60° C)           Dimensions         51/6"x15/16" (x37/16" (130x23x87 mm)	Resolutions supported		1080p/1080i/720p/576p/576i/480p/480i
Max. input/output cable length         24AWG (15m), 26AWG (10m), 28AWG (5m)           IR Pass-through frequency         20~60 kHz           RS-232 Pass-through baud-rate         Up to 115,200           Operating voltage         12VDC           Power supply         2A@12VDC (2.1mm plug) x2           ESD Protection (human body model)         ±8kV (Air-gap discharge), ±4kV (Contact discharge)           Current draw         Transmitter Receiver         625mA@12VDC           Operating temperature         32°~140° F (0°~60° C)           Dimensions         51/6"x15/16" (x37/16" (130x23x87 mm)	Range		Up to 984' (300m)
R Pass-through frequency   20~60 kHz     RS-232 Pass-through baud-rate   Up to 115,200     Operating voltage   12VDC     Power supply   2A@12VDC (2.1mm plug) x2     ESD Protection   ±8kV (Air-gap discharge),     (human body model)   ±4kV (Contact discharge)     Current draw   Transmitter   625mA@12VDC     Current draw   Transmitter   580mA@12VDC     Operating temperature   32°~140° F (0°~60° C)     Dimensions   51/6"x15/16" (130x23x87 mm)	Video input/output connector		HDMI Type A 19-pin female
R Pass-through frequency   20~60 kHz	Max. input/output cable length		24AWG (15m), 26AWG (10m),
RS-232 Pass-through baud-rate         Up to 115,200           Operating voltage         12VDC           Power supply         2A@12VDC (2.1mm plug) x2           ESD Protection (human body model)         ±8kV (Air-gap discharge), ±4kV (Contact discharge)           Current draw         Transmitter 625mA@12VDC           Receiver         580mA@12VDC           Operating temperature         32°~140° F (0°~60° C)           Dimensions         51/6"x15/16" (x37/16" (130x23x87 mm)			28AWG (5m)
Operating voltage         12VDC           Power supply         2A@12VDC (2.1mm plug) x2           ESD Protection (human body model)         ±8kV (Air-gap discharge), ±4kV (Contact discharge)           Current draw         Transmitter Receiver         625mA@12VDC           Operating temperature         32°~140° F (0°~60° C)           Dimensions         5¹/ <sub>6</sub> "x¹5/₁ <sub>6</sub> "x3²/₁ <sub>6</sub> " (130x23x87 mm)	IR Pass-through frequency		20~60 kHz
Power supply	RS-232 Pass-through baud-rate		Up to 115,200
ESD Protection (human body model)         ±8kV (Air-gap discharge), ±4kV (Contact discharge)           Current draw         Transmitter 625mA@12VDC           Receiver         580mA@12VDC           Operating temperature         32°~140° F (0°~60° C)           Dimensions         51/6"x15/16"x37/16" (130x23x87 mm)	Operating voltage		12VDC
(human body model)         ±4kV (Contact discharge)           Current draw         Transmitter         625mA@12VDC           Receiver         580mA@12VDC           Operating temperature         32°~140° F (0°~60° C)           Dimensions         51/6"x15/16"(x37/16" (130x23x87 mm)	Power supply		2A@12VDC (2.1mm plug) x2
Current draw         Transmitter         625mA@12VDC           Receiver         580mA@12VDC           Operating temperature         32°~140° F (0°~60° C)           Dimensions         51/6"x15/16"(x37/16" (130x23x87 mm)	ESD Protection		
Current draw         Receiver         580mA@12VDC           Operating temperature         32°~140° F (0°~60° C)           Dimensions         5¹/₀"x¹⁵/₁₀"x3²/₁₀" (130x23x87 mm)	(human body model)		±4kV (Contact discharge)
Receiver   580mA@12VDC	Current draw	Transmitter	625mA@12VDC
Dimensions 51/8"x15/16"x37/16" (130x23x87 mm)		Receiver	
	Operating temperature		32°~140° F (0°~60° C)
Weight 7.4-oz (210g) (Each)	Dimensions		5 <sup>1</sup> / <sub>8</sub> "x <sup>15</sup> / <sub>16</sub> "x3 <sup>7</sup> / <sub>16</sub> " (130x23x87 mm)
	Weight		7.4-oz (210g) (Each)

## **Sample Application:**



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