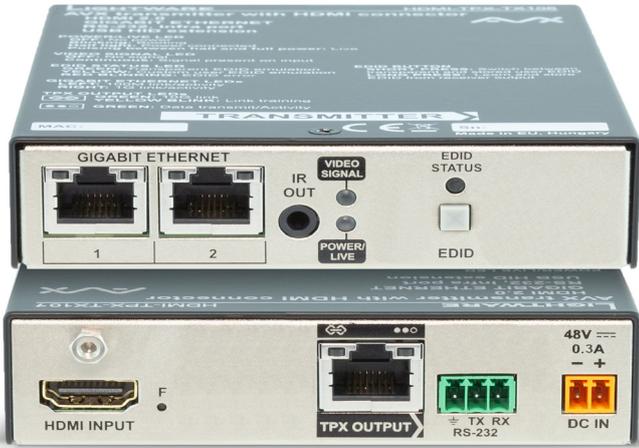
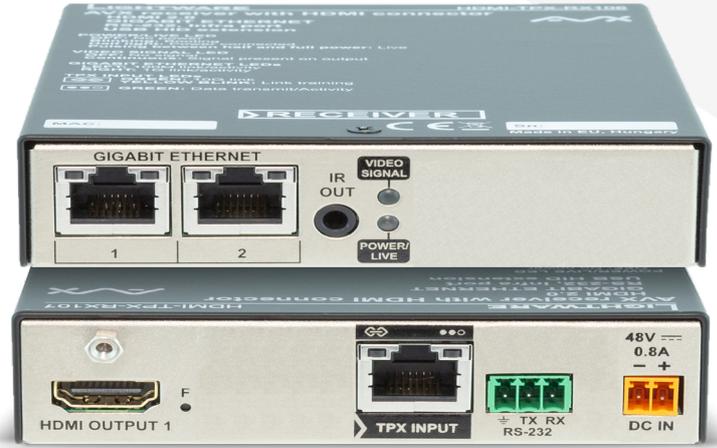


AVX (non-switchable) HDMI 2.0 extender



HDMI-TPX-TX107



HDMI-TPX-RX107

Part No: 9158 0001



The HDMI-TPX-TX107 and HDMI-TPX-RX107 extenders with AVX technology are Lightware's newest development and a natural progression from the widely popular HDMI-TPS-TX/RX97 series, allowing users to extend HDMI 2.0 signals up to 4K60 4:4:4 video resolution through a single CATx cable over distances up to 100 meters.

Beyond the benefits of sending high-resolution video over long distances, the extenders are also capable to handle various connectivity standards, including bi-directional RS-232 and command injection over IR (output only) as well.

The additional Gigabit Ethernet port is also a valuable addition, allowing users to connect an additional device to the network directly through the TPX extender.

HDCP 2.2 and basic EDID management functionality are also among the features offered by these devices, such as their connectivity and easy integration into a wide range of AV operations and with 3rd party devices, such as the Christie Terra projector.

Highlight Features

- Can be remote powered through CATx cable (PoE PD)
- Supports HDMI 4K signal formats (4K UHD @60Hz RGB 4:4:4, up to 18 Gbps)
- Extends HDMI 2.0, audio, Ethernet, RS-232 up to 100m over one CATx cable
- HDR and Low Latency Dolby Vision support
- Bi-directional RS-232 extension (pass-through)
- HDCP 2.2 compliant (transparent pass-through)
- Great price/value balance
- HDMI 2.0 end-to-end extension
- Ethernet extension (1 Gbps)
- Command injection through IR

Video	
Resolution	Up to UHD/4k@60Hz 4:4:4
Signal Type	HDMI 2.0, HDMI 1.x, DVI
Maximum data rate	18 Gbps
Maximum pixel clock	597 MHz
Content protections	HDCP 1.x, HDCP 2.2
Connector type	1x HDMI receptacle type A with screw locking option
	TX107: 1x HDMI input RX107: 1x HDMI output
Standards	HDMI 2.0, HDMI 1.4, DVI

Ethernet	
Control & User Data	2x 1000Base-T via RJ-45
RS232	
Connector type	1x 3Pol Phoenix
Symbol rate	between 4800 and 115200 baud
Configuration	Data bits: 7 or 8
	Parity: none, odd or even
	Stopbits: 1 or 2

IR	
Connector type	3.5mm connector (1/8" mini-jack) (output only!)
EDID management (TX107)	1x pass-through or 1x stored (learned) EDID selected by the push button

General		
Powering	External 40W (48V, 0,83A) power supply	
Power dissipation (max)	TBD	
Thermal dissipation (max)	TBD	
Weight	TBD	
Operating conditions	Ambient temperature	0-50oC
	Relative humidity	0-90% (non-condensing)
Transportation conditions	Ambient temperature	-20-70oC
	Relative humidity	0-95% (non-condensing)
Compliance	CE	
Warranty	3 years	

*with long reach firmware option. Long reach firmware supports pixel clock frequencies up to 148,5 MHz.

**Distances are 20% shorter if remote powering used. AWG 26 cables are not recommended with remote powering.