

AV-96F30

4K2K HDMI over SFP+

The AV-96F30 is a fully integrated HDMI Extender over 10G SFP+ Optics that can support HDMI signals in 1080p and 4K2K in non-compressed, lossless extension.



The product works with any HDMI 1.4 Audio/Video source in resolution up to 4K2K UHD 3840x2160@30Hz, as well as fully HDCP compliant and EDID/Hot Plug transparent. The optional IR and RS-232 can be used for the TV, screen, Set-top box control.

The product is designed to work in the industrial environment of operating temperature 0 to 70°C. The LC terminated multi-mode fiber optic cable is used, preserving signal integrity and providing excellent protection from electromagnetic interference (EMI). Compared to similar copper-based solutions, optical signal transmission provides inherent galvanic isolation and excellent immunity to electromagnetic interference. The units also feature metal enclosures, providing further protection against radiated noise. Locking HDMI and power connectors ensure trouble-free installation and long-lasting, reliable operation.

Features

- ❖ Extends HDMI, RS-232 or IR over a single strand fiber optic cable.
- ❖ Support HDMI 4K2K Ultra HD (3840 x 2160 @ 30Hz) up to 300 meters over OM3 fiber.
- ❖ Fully HDCP compliant, 12-bit Deep Color, LPCM 7.1 audio, Dolby® True HD, and DTS-HD Master Audio™.
- ❖ Support fully transparent DDC/EDID, CEC and Hot-Plug signal.
- ❖ Optional Full duplex RS-232 up to 115200 baud.
- ❖ Plug-and-play, no any additional software installation is required.
- ❖ Firmware upgradable.
- ❖ FCC, CE, RoHS.

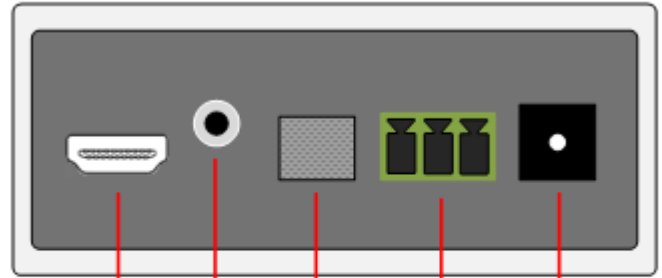
Front / Back View

AV-96F30T **Front**



Power LED

Back



HDMI In

IR Rx

SFP +

RS-232

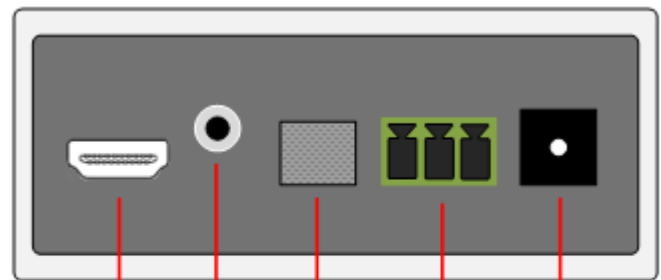
DC 12V

AV-96F30R **Front**



Power LED

Back



HDMI Out

IR Tx

SFP +

RS-232

DC 12V

Specification

Model No.	AV-96F30T-RS	AV-96F30T-IR	AV-96F30R-RS	AV-96F30R-IR
HDMI Input	1		N/A	
HDMI Output	N/A		1	
RS-232	Yes	N/A	Yes	N/A
IR	N/A	Yes	N/A	Yes
Power	DC 12V 1A			
Resolution	Up to 3840x2160@30Hz			
Inter-connect Cable	Duplex LC OM3 (300 meters)			
Environment	Operating Temp.	0 to 70°C		
	Storage Temp.	-40 to 100°C		
	Humidity	0 ~ 80% Non-condensing		
Physical Properties	Material	aluminum		
	Weight	130g		
	Dimension	88(L) x 90(W) x 30(H) mm		

Diagram

