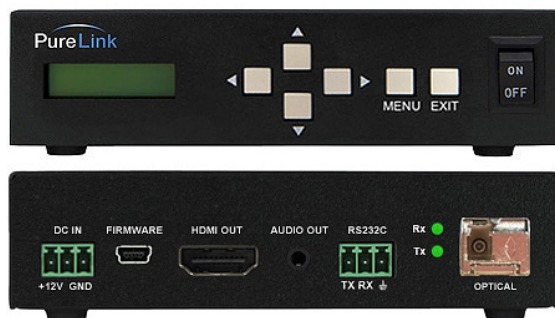


PM-FR102-U 4K HDMI over 1 LC Fiber Receiver w/Scaling

The **PM-FR102-U** is a PureMedia™ Fiber Optic extender receiver for HDMI featuring built-in 4K auto-scaling technology powered by Motore™. The PM-FR102-U delivers powerful and reliable long-distance extension of Ultra HD/4K video, embedded and analog stereo audio, as well as control signals up to 32,808 ft. (10 km) over a single-mode fiber optic cable.



Key Features

- Extends uncompressed digital video, audio, and control signals over fiber
- Supports resolutions up to Ultra HD/4K
 - 10 km. (32,800 ft.) over single-mode fiber
 - 500 m. (1,650 ft.) over multi-mode fiber
- HDCP compliant
- RS-232 control
- Compatible with the PureMedia™ matrix switcher fiber outputs (PM-FOS4-U)
- Compatible with DVI display devices (adapter required)

Technical Specifications

INPUT SIGNAL	Fiber Optical (> -10dbm (after 32,808ft (10km) transmission))
OUTPUT SIGNAL	DVI / HDMI (TMDS), 3.5mm stereo audio (> 4db (after 32,808ft (10km) transmission))
DATA RATE	3.4 Gbps/ch, Total 10.2 Gbps Max
SUPPORTED RESOLUTIONS	Up to 3840 x 2160 @24/25/30Hz (RGB 4:4:4, YCbCr 4:4:4, 4:2:2, 4:2:0)
MAX. DISTANCE	Single Mode Fiber: 1920 x 1200 @ 60Hz or at 1080p, Ultra HD 4K : 32,808 ft (10km) Multi Mode Fiber: 1920 x 1200 @ 60Hz or at 1080p, Ultra HD 4K : 1,650 ft (500m)
CONNECTOR TYPE	HDMI 19P Female (x 1) , 3.5mm Stereo Jack, 1 LC Optical Connector, 3P /3.5MM Terminal Block (for Power) 3P /3.5MM Terminal Block (for RS-232), Mini USB (for firmware update)
SUPPORTED FORMATS	DVI 1.0 , HDMI 1.4b, HDCP 2.0
POWER CONSUMPTION	DC +12V, 4Watts Max
DIMENSIONS(W X D X H)	7.57 x 5.96 x 1.7 in. 192.4 x 151.4 x 42 mm
WEIGHT	1.5 Lbs 0.68 Kg

Scaler Output Resolutions		
AUTO	720p (60Hz)	SXGA (1280x1024 @75Hz)
3840x2160 @30Hz	720p (59Hz)	SXGA (1280x1024 @60Hz)
3840x2160 @24Hz	720p (50Hz)	XGA (1024x768 @85Hz)
1920x1200 @60Hz	576p (50Hz)	XGA (1024x768 @75Hz)
1080p (60Hz)	480p (60Hz)	XGA (1024x768 @60Hz)
1080p (59Hz)	1400x900 @60Hz	SVGA(800x600 @75Hz)
1080p (50Hz)	1366x768 @60Hz	SVGA(800x600 @60Hz)
1080i (60Hz)	1360x768 @60Hz	BYPASS
1080i (59Hz)	UXGA (1600x1200 @60Hz)	BYPASS
1080i (50Hz)	1400x1050 @60Hz	