

CR-F02P-R

4K HDMI Extender



CR-F02P-R

Product overview

CR-F02P-R can extend HDMI signal up to 33000 feet/10 km (over single-mode fiber cable). It supports video resolution up to 4K2K@60Hz 4:4:4. Transmitter supports loop output, audio embedding and EDID management function. Receiver supports audio extracting function. In addition, the extender supports bidirectional IR control and RS-232 signal pass-through. It can allow you to easily control the display device on the signal source side or control the signal source device on the display side when using this extender.

CR-F02P-R offers ideal solutions for homes, offices, digital entertainment centers, control centers, conference rooms, schools and corporate training environments, where require HDMI source and transmission over long distance.

Features

- HDMI 2.0b, HDCP 2.2 and DVI 1.0 compliant
 - Support 18Gbps video bandwidth
 - Video resolution up to 4K2K@50/60Hz 4:4:4
 - HDMI audio formats: LPCM2/5.1/7.1CH, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
 - Support 3D and HDR format video, does not support CEC control
 - Transmission distance up to 33000 feet/10 km (over single-mode fiber Cable)
- *It is possible to use multi-mode fiber with these SFP modules but the distance can not be guaranteed.
- Support bidirectional IR control, RS-232 pass-through and EDID management for simple and convenient control
 - Transmitter supports loop output (sharing local HD video and audio) and audio embedding function
 - Receiver supports audio extracting output function
 - Compact design for easy and flexible installation

Specifications

The parameter name	CR-F02P-R		
HDMI Compliance	HDMI 2.0b	ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)
HDCP Compliance	HDCP 2.2		
Video Bandwidth	18Gbps		
Video Resolution	Up to 4K2K@60Hz YUV 4:4:4	Housing	Black Metal Enclosure
Color Depth	8-bit, 10-bit, 12-bit	Dimensions	134mm [W] x 68mm [D] x 18mm [H]
Transmission Distance	Up to 33000 feet/10 km over single-mode fiber cable	Weight	2.7W (Max.)
IR Frequency	20KHz-60KHz	Weight	278g
Color Space	RGB, YCbCr4:4:4, YCbCr4:2:2, YCbCr 4:2:0	Power Supply	DC 5V/1A (US/EU standards, CE/FCC/UL certified)
HDMI Audio Formats	LPCM2/5.1/7.1CH, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD	Interface	Input: 1 x Optical Fiber In [LC female] 1 x IR IN [3.5mm Stereo Mini-jack] 1 x SERVICE [Micro USB, Update port]
RS-232 Baud Rate	4800-115200bps		Output: 1 x HDMI OUT [Type A, 19-pin female] 1 x RS-232 [3.81mm Phoenix connector] 1 x IR OUT [3.5mm Stereo Mini-jack] 1 x AUDIO OUT [3.5mm Stereo Mini-jack]

Diagram

