



OTR-1000

HDMI 2.0, USB, IR & RS-232 Over Fiber

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The OTR-1000 is a compact, but powerful fiber optic extender pair capable of extending high resolution video up to HDMI 2.0, 4K60, 4:4:4, 8 bit or HDR, 4K30, 4:2:0, 10 bit over fiber. Extend signals long distances up to 300 meters on MM fiber and up to 10 Km on SM fiber. Along with the HDMI 2.0, USB (keyboard & mouse), bi-directional IR and bi-directional RS-232 can be sent on the same fiber cable for controlling remote displays, set-top boxes or any other devices that need to be controlled remotely. Additionally, the OTR-1000 is complaint with the latest HDCP 2.2 standards. The units are built with a solid stand-alone compact enclosure with mounting flanges, making it the perfect solution for any installation that might need wall, under desk or shelf mounting.

Features

- HDMI 2.0 long distance extension
- Resolution support up to 4K60, 4:4:4
- HDCP 2.2 compliant
- Small Form Pluggable fiber optic interface
- Up to 300 meters on MM fiber or up to 10Km on SM fiber
- Only duplex LC connection needed
- USB keyboard and mouse
- Bi-directional RS-232
- Bi-directional IR
- Compact flange-mount design



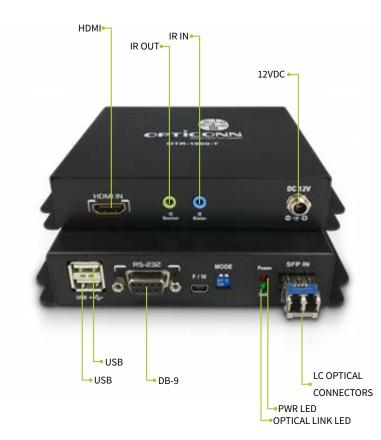


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Models

Model	Description
OTR-1000	Fiber optic extender link (tx & rx), HDMI 2.0, resolution support up to 4K60, 4:4:4, HDCP 2.2, USB keyboard & mouse, Bi-directional IR, Bi-directional RS-232, Up to 300 meters on duplex LC connectors, 12 VDC@2A included, Compact stand-alone enclosure



Specifications

Video Specifications		
HDMI Compliance	HDMI 2.0	
HDCP Compliance	HDCP 2.2	
Resolution Support	Up to 4K2K@60, 4:4:4, 8 bit or HDR, 4K2K@30, 4:2:0, 10 bit	
Video Bandwidth	600 MHz, 18 Gbps	
Input TMDS	1.2 Volts p-p	
Input DDC Signal	5 Volts p-p, TTL	
Optical Specifications		
Distance	Up to 300 meters	
Fiber Type	MM (OM3 fiber recommended)	
Fiber Connector	Duplex LC	
Audio Specifications		
HDMI Audio	Surround sound up to 7.1 ch	
Data/Control Specifications		
USB	Keyboard & Mouse	
IR Pass-thru	20 KHz to 60 KHz, Bi-directional	
Serial Data	RS-232	
Mechanical Specification		
Enclosure type	Stand-alone	
Dimensions (L x W x H)	4.5" x 6.13" x 1.12"	
Weight	1.5 lbs	
Mounting	Flange-mount	
Power Specifications		
Power Supply	12 VDC@2A	
Environmental Specifications		
Operating Temperature	0 to 50 C	
Relative Humidity	30 to 90%, non-condensing	
Storage Temperature	-20 to 60 C	