



OTR-1000/1001HDMI 2.0, USB, IR & RS-232 Over Fiber

OTR-1000/1001



The OTR-1000/1001 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 (OTR-1000 only) (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-1000/1001 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 (model OTR-1000 only)
- Bi-directional RS-232
- Bi-directional IR
- Compact flange-mount design



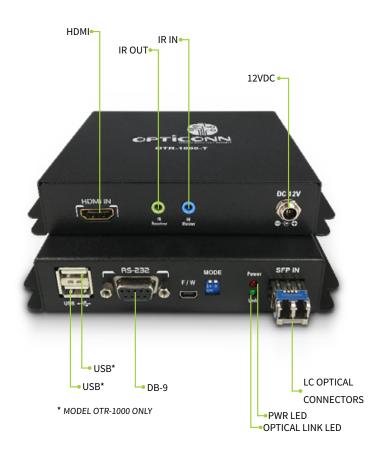


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Models

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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, SM or MM, duplex LC connectors, 12 VDC@2A included, Compact stand-alone enclosure
OTR-1001	Fiber optic extender link (tx & rx), HDMI 2.0, resolution support up to 4K60, 4:4:4, HDCP 2.2, Bi-directional IR, Bi-directional RS-232, SM or MM, 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 on MM or up to 10Km on SM		
Fiber Type	MM (OM3 fiber recommended) or SM		
Fiber Connector	Duplex LC		
Audio Specifications			
HDMI Audio	Surround sound up to 7.1 ch		
Data/Control Specifications			
USB (OTR-1000 only)	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		