



DVI-7360-TX

Fiber Optic Transmitter, HDMI, 2x LC

DVI-7360-RX

Fiber Optic Receiver, HDMI, 2x LC

FEATURES

- Supports 4K (UHD) resolution formats up to 4096x2160 / 24p, 30p
- Supports 1080p resolution with color depth up to 16 bits/pixel
- Supports HDMI bit-rates up to 3.4 Gbps/color, 10.2 Gbps total
- Supports multi-mode and single-mode fiber optic cables using LC optical connectors
- Very long usable range up to 4,500 meters using single-mode fiber optic cables
- Optical link does not require any copper cable connections
- Optical link is immune to environmental signal noise
- Low RFI / EMI profile for sensitive applications
- Supports IR back channel over optical link
- Locking power supply connector provides added security

Flawless Signal Quality - The DVI-7360 is a high-speed, HDCP compliant fiber optic transport system capable of distributing high resolution HDMI or DVI signals over cable lengths up to 350 meters (1,150 ft.) while maintaining flawless image quality. An HDMI input signal from a source device such as a set-top box or Blu-Ray player is converted into light pulses by an optical transmitter module for transmission over two (2) strands of fiber optic cable. On the display side, an optical receiver module converts the light pulses back to an HDMI signal for display on a monitor or projector.

Extreme Distances - The DVI-7360 supports optical links using either multi-mode or single-mode fiber. In applications where HDCP support is not needed, this extender supports long-haul optical links up to 4.5 kilometers (2.8 miles) using single-mode fiber optic cables. These features make the DVI-7360 a powerful solution for digital display applications that require flawless signal quality over extremely long cable runs.



SPECIFICATIONS

Performance	
Compliance	DVI v1.0, HDMI v1.4, HDCP v1.4
Maximum Pixel Clock Frequency	Supports pixel clock rates up to 340 MHz
Maximum Video Bit Rate	Supports digital signal bit rates up to 3.4 Gbps per color
Supported Color Depth	Supports 1080p resolution with up to 16 bits/pixel
Digital Audio Support	Dolby Digital, Dolby Digital Plus, Dolby True HD and DTS-HD Master Audio
Supported HDTV Formats	Supports all HDTV resolutions including 1080p, 2K and 4K (UHD) formats
Supported PC Resolutions	Supports resolutions up to 4096x2160 / 24p, 30p
Optical	
Optical Transmitter	Laser Source: 1310nm FP / 1430nm FP / 1550nm FP
Optical Receiver	PIN Photo Diode O/E Converter
Fiber Cable Type / Max. Length	50/125 μ multi-mode optical fiber / 500 meters (350 meters with HDCP) 9/125 μ single-mode optical fiber / 4,500 meters (350 meters with HDCP)
DVI Gear Fiber Cable	OFNP, Plenum Rated - additional data and custom lengths available on request
Connections	
HDMI Input / HDMI Output	19-pin female HDMI connectors
Optical Input / Output	2x female LC optical connectors
IR Transmitter / IR Receiver	3.5 mm mono mini-jack
Power	5.5 mm locking mini-jack
Mechanical	
Construction	Extruded aluminum enclosure with black anodized finish
Dimensions (H-W-D)	1.2" x 3.0" x 4.6" (29.5 mm x 75.0 mm x 117.2 mm)
Weight	Tx unit: 6.1 oz. (172 g) Rx unit: 6.1 oz. (172 g)
Environmental	
Operating Temperature	+32° to +122° F (0° to + 50° C)
Storage Temperature	-4° to +158° F (-20° to +70° C)
Humidity (storage / operating)	10% to 90% (non-condensing)
Power Requirements	
Power Source	Both Tx and Rx units must be powered using the supplied external AC power adapters.
External AC Power Adapter	Input: 100~240VAC / 50-60Hz, 0.5A Output: 5VDC, 3.0A
Maximum Power Consumption	Tx unit: 3.5 watts Rx unit: 3.5 watts
Regulatory Approvals	
Extender Units	HDMI ATC, FCC, CE, RoHS
External AC Power Adapter	UL, CUL, CE, PSE, GS, RoHS
Warranty	
Limited Warranty	3 Years Parts and Labor
Model Number	
DVI-7360	HDMI™ Fiber Optic Extender
Accessories Included	
2x External AC Power Adapters, 1x IR Transmitter, 1x IR Receiver, 1x User Guide	