



Product Description:

The model DVI-7350 is a high-speed fiber optic transport system capable of distributing high resolution HDMI or DVI signals over cable lengths up to 100 meters (328 ft.) while maintaining flawless image quality. HDMI input signals from a source device such as a set-top box or Blu-Ray player are converted into light pulses by an optical transmitter module for transmission over 4 strands of multi-mode 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. The unit provides a direct DDC link that supports monitor EDID / HDCP communications using a standard CAT5 cable. These features make the DVI-7350 the ideal solution for display applications that require flawless HDMI or DVI signal quality over very long cable runs.

Key Features:

- Supports HDTV resolutions up to 1080p with 8-bit color
- Supports PC resolutions up to 1920x1200 and 2048x1080 pixels
- Supports digital bit-rates up to 1.65 Gbps
- Optical fiber transmission is immune to environmental signal noise
- Low RFI / EMI profile for sensitive applications
- RJ45 (CAT5) connection supports bidirectional DDC / HDCP communications
- Transmitter unit can be powered by HDMI source or by optional +5VDC external power supply
- Receiver unit is powered by +5VDC external power supply
- Detachable optical cables greatly simplifies installation and maintenance

Specifications:

Model Number	
DVI-7350	HDMI Fiber Optic Extender
Connections	
HMDI Input / HDMI Output	19-pin female HDMI connectors
Optical	4x LC type fiber optic connectors (R, G, B, Clock)
DDC	RJ-45 jack
Power	3.5 mm jack
Compliance	
HDMI Compliance	HDMI v1.2
HDCP Compliance	HDCP v1.3
Safety Compliance	RoHS, CE
Resolution	
PC	Supports resolutions up to 1600x1200 and 1920x1200
HDTV	Supports HDTV resolutions up to 1080p and 2048x1080
Bandwidth	
Pixel Rates	Supports pixel clock rates up to 165 MHz
Bit Rates	Supports digital signal bit rates up to 1.65 Gbps
Optical	
Optical Transmitter	Tx Module: VCSEL Lasers, Class 1 laser product
Optical Receiver	Rx Module: PIN Photo Diodes
Fiber Cable Type	50/125μ multi-mode optical fiber with 4x LC connectors per module
DVIgear Fiber Cable	OFNP, Plenum Rated PVC Jacket, Diameter 5.0 mm (additional data available upon request)
Cable Length	Maximum 100 meters / 328 ft. (limited by CAT5 cable length)
Power	
Optical Transmitter	The Tx module requires at least 100 ma of DC current from the HDMI source; an optional external power supply may be used if needed.
Optical Receiver	Must be powered using the supplied external power supply
External Power Supply	Input: 100-240VAC, 50-60Hz 0.5A / Output: +5VDC @ 2.0A
Power Consumption	Maximum: 1.1 watts (for both Tx and Rx units)
Mechanical	
Construction	Rugged metal enclosure with jet black finish
Dimensions (L x W x H)	2.50" x 2.27" x 1.09" (63.5 mm x 57.6 mm x 27.7 mm)
Weight	Tx Unit: 0.27 lb. (122 g) Rx Unit: 0.27 lb. (122 g) Shipping: 1.10 lb. (516 g)
Environmental	
Operation	32° to 122° F / 0° to 50° C
Storage	-4° to 158° F / -20° to 70° C
Relative Humidity	10% - 80%
Accessories Included	
1x External AC Power Adapter, 1x User Guide	