



### Product Description:

DVI-7335 is an HDCP compliant fiber optic transport system capable of distributing high resolution DVI and HDMI signals over cable lengths up to 1.5 kilometers (4,920 ft.) with flawless image quality. The product consists of an optical transmitter and an optical receiver, which support both multi-mode and single-mode fiber cables. DVI and HDMI input signals from a source device such as a PC, cable set-top box or Blu-Ray player are converted into light pulses by an optical transmitter module for transmission over three (3) strands of fiber optic cable. On the display side, an optical receiver module converts the light pulses back to a DVI / HDMI signal for display on a monitor or projector. The DVI-7335's impressive range and feature set make it an ideal solution for digital display systems that require flawless DVI or HDMI signal quality over very long cable runs.

### Key Features:

- Supports HDTV resolutions up to 1080p with 12-bit color
- Supports PC resolutions formats up to 1920x1200 and 2048x1080
- Supports digital bit-rates up to 2.25 Gbps/color, 6.75 Gbps total
- Supports USB 1.1 signals for keyboard, mouse, etc. over optical link
- Supports both Multi-Mode and Single-Mode fiber optic cables
- Very long usable range up to 1,500 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
- Detachable optical cables greatly simplify installation and maintenance

### Specifications:

| Performance                                  |   |
|--|---|
| Compliance                                   | DVI v1.0, HDMI v1.3, HDCP v1.4, USB 1.1   |
| Maximum Pixel Clock Frequency                | 225 MHz   |
| Maximum Video Bit Rate                       | 2.25 Gbps   |
| Supported Color Depth                        | 8-bit, 10-bit, and 12-bit   |
| Supported HDTV Formats                       | up to 1080p with 12-bit color   |
| Supported PC Resolutions                     | up to 1920x1200 and 2048x1080   |
| I/O Connectors                               |   |
| DVI Input / DVI Output                       | 18+1 DVI Male gold plated connectors  |
| Optical                                      | 3x LC optical connectors  |
| USB  | USB Mini Type B connector   |
| Power  | 3.5 mm jack   |
| Optical Specifications                       |   |
| Optical Transmitter                          | FP Laser: 1310nm / 1550nm   |
| Optical Receiver                             | PIN Photo Diode O/E Converter   |
| Fiber Cable Type / Max. Length               | 50/125 $\mu$ multi-mode optical fiber: 500 meters / 1640 ft.<br>9/125 $\mu$ single-mode optical fiber: 1,500 meters / 4921 ft.<br>Optical Links with HDCP signals: 300 meters / 984 ft.<br>Optical Links with USB 1.1 Low Speed signals: 300 meters / 984 ft.<br>Optical Links with USB 1.1 Full Speed signals: 50 meters / 164 ft. |
| DVIGear Fiber Cable                          | OFNP, Plenum Rated - additional data and custom lengths available on request  |
| Mechanical                                   |   |
| Construction                                 | Die-cast Aluminum enclosure with black satin finish   |
| Dimensions (L x W x H)                       | 3.16" x 1.70" x 0.70" (80.3 mm x 43.1 mm x 17.7 mm)   |
| Weight                                       | Net Weight Tx / Rx Unit (each): 3.95 oz. (112 g)<br>Shipping Weight: 1 lb. (0.45 kg)  |
| Environmental                                |   |
| Storage Temperature                          | -4° to 158° F / -20° to 70° C   |
| Operating Temperature                        | 32° to 122° F / 0° to 50° 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 power supplies   |
| External AC Power Adapter                    | Input: 100-240VAC, 50-60Hz 0.5A / Output: +5VDC @ 3.0A  |
| Maximum Power Consumption                    | Tx Unit: 2.2 watts Rx unit: 2.0 watts   |
| Regulatory Approvals                         |   |
| Extenders                                    | FCC Class B, CE and RoHS  |
| External AC Power Adapter                    | UL, CUL, CE, PSE, GS, RoHS  |
| Warranty                                     |   |
| Limited Warranty                             | 3 Years Parts and Labor   |
| Model Number                                 |   |
| DVI-7335                                     | DVI + HDCP Fiber Optic Extender   |
| Accessories Included                         |   |
| 2x External AC Power Adapters, 1x User Guide |   |