

VIDEO MULTIPLEXER



HDMI Video Multiplexer

ST-2401-FA

Over View

The Extron Spiktel ST-2401-FA HDMI Fiber Optic Extender is a transmitter for long haul transmission of HDCP-compliant HDMI video, stereo audio, and RS-232 control signals over fiber optic cabling. Engineered for reliability and exceptional high resolution image performance, it uses Extron all digital technology to deliver perfect pixel-for-pixel transmission of HDMI computer-video images up to WUXGA 1920x1200 resolution, including HDTV 1080p/60 and 2K. Designed specifically for AV systems, the ST-2401-FA HDMI also includes a host of integrator-friendly features such as Key Minder, EDID Minder, audio embedding, and real-time system monitoring. A compact, low profile enclosure allows for discreet installation.

Specification

Model	ST-2401-FA
Automatic compatible video system	PAL, NTSC, SECAM
Unit Description	HDMI with 3D Transmitter/HDMI with 3D Receiver
Supported Resolutions	480i/480p/720p/1080i/1080p60
Audio Support	Surround Sound up to 7.1 ch. or Stereo Digital Audio
Input Output-Signal	Single link 225 MHz
	High Speed HDMI Deep Color and Full Support
IR Pass Thru	Full-duplex bi-directional
Fiber Optic 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)
DVIGear Fiber Cable	OFNP, Plenum Rated - additional data and custom lengths available on request

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Connections:	HDMI Input / HDMI Output Optical Input / Output IR Transmitter / IR Receiver	19-pin female HDMI connectors 2x LC optical connectors 3.5 mm mono mini-jack
Mechanical:	Construction Dimensions (L x W x H) Weight	- Extruded Aluminum enclosure with black anodized - 4.61" x 2.95" x 1.16" (117.2 mm x 75.0 mm x 29.5 mm) - Tx Unit: 6.1 oz. (172 g) Rx Unit: 6.1 oz (172 g)
Environmental:	Operation Storage Relative Humidity	+32° to +122° F. (0° to +70° C.) -4° to +158° F. (-20° to +70° C.) 10% to 90% non-condensing
Power:	Power Source External Power Supply Input: Maximum Power Consumption:	Both Tx and Rx units must be powered using the supplied AC power adapters 100-240 VAC, 50-60 Hz 0.5A / Output: +5VDC @ 3.0 A DVI-7360-Tx: 3.5 watts DVI-7360-Rx: 3.5 watts

Optical Transmitter:- Laser Source: 1310nm FP / 1430nm FP / 1550nm FP
Supported PC Resolutions:- Supports resolutions up to 4096x2160 (p24)
Maximum Video Bit Rate:- Supports digital signal bit rates up to 3.4 Gbps
Maximum Pixel Clock Frequency:- Supports pixel clock rates up to 340 MHz
Accessories Included: 2x External AC Power Adapters, 1x User Guide
Warranty : 1 years

Application :

The ST-2401-FA supports optical links using either multi-mode fiber 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 HDMI or DVI signal quality over extremely long cable runs



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