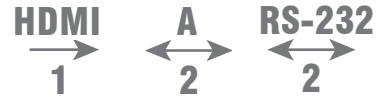


Link Bridge™ Fiber Optic
HDMI Transmission Systems



**“HDMI + Stereo Audio + RS-232
Over 1 Multimode Fiber”**

**“Standalone Unit or
Decora Wall-Plate Packaging”**

**“Automatic EDID”
No EDID Learning Required**



**“High performance and affordable solutions for
your digital video transmission.”**

Applications

Remote HDMI/DVI Extension

Digital Signage

Video Wall Presentation

Features

HDMI 1.3 Capable

Up to 400m at WUXGA (1920x1200
@ 60Hz)

Supports HDCP Encrypted Content

Supports DDC/EDID Transmission

Zero Compression and
Zero Bit Reduction

Up to 720p/1080i/1080p HDTV Video
Resolution

Over 1 Multimode Fiber

Compatible with our LBO Series
Products

The LBO-HDMI-AD Series is a high performance, low cost, miniature, Link Bridge™ Fiber Optic HDMI Transmission System. It carries one (1) unidirectional HDMI video, one (1) bi-directional stereo audio and two (2) RS-232 through one multimode fiber. This unique fiber optic transmission system lets your digital flat panel display extend up to 400m at WUXGA (1920x1200 @ 60Hz) or 720p/1080i/1080p HDTV video resolution. DVI video is also available through a DVI-to-HDMI adapter cable.

No user adjustment is required for the LBO-HDMI-AD system due to the use of advanced digital fiber optic transmission system technology with zero compression and zero bit reduction. This allows for a quick and easy setup, offering trouble-free operation for many years to come. In addition, the LBO-HDMI-AD transmitter (or receiver) is compatible with our LBO Series receiver (or transmitter). This makes both fiber transmission and HDMI/DVI/VGA/YPbPr/SV/CV/SDI conversion in one single system setup. The LBO-HDMI-AD comes with either a standalone miniature enclosure or a Decora wall-plate packaging. The units are easily monitored by power and link LED indicators.



LBO-HDMI-AD

Link Bridge™ Fiber Optic HDMI Transmission Systems

Multimedia Transmission Systems



Video

Resolution	Up to 1080p@60Hz or 1620x1200@60Hz
Connector	HDMI Female Plug
Protocol	DDC/EDID/HDCP Capable

Audio

Channel Capacity	2
Operating Mode	Unbalanced (Stereo Audio), Bi-directional
Input/Output Impedance	10k/50 Ohms (Stereo Audio)
Max. Input/Output Level	5 dBu/4Vpp (Stereo Audio)
Magnitude Freq. Response	20Hz to 20kHz @ -3dB
THD+N	>70 @ 1k Hz (Stereo Audio)
Connector	3.5mm Stereo Jack

Serial Data

Channel Capacity	2
Signal Format	RS-232
Data Rate	Up to 57.6kbaud
Connector	Terminal Block

Optical

Fiber Type	Multimode
Number of Fibers	1
Connector	SC

Physical

Dimension Standalone	4.17" (W) x 4.1" (D) x 1.1" (H)
Wallplate	1.75" (W) x 2.70" (D) x 2.81" (H)
Power Level (max.)	+12VDC @ 1.5A
Operating Temperature	0 to +50°C
Humidity	0 to 95% RH, non-condensing

Applications



Ordering Information

LBO-HDMI-AD-T-M-SC	Fiber Transmitter, Multimode, 1-Fiber	
LBO-HDMI-AD-R-M-SC	Fiber Receiver, Multimode, 1-Fiber	

Add -WP for Wallplate configuration
 Add -CH for LBO-CH Chassis mounting kit
 Add -UPS for International Universal Power Supply

DOING MORE WITH ONE FIBER

Subject to continued product enhancement, we reserve the right to change the above specifications and description without notice.

