

## FLX-HI4A Technical Specifications

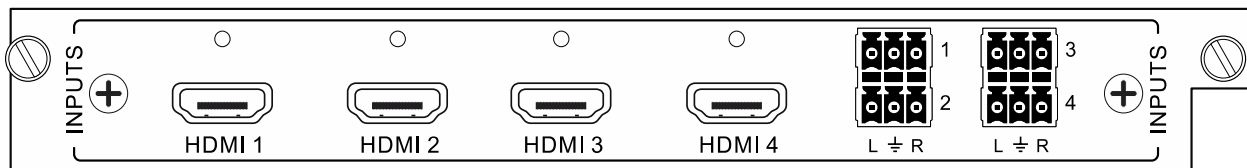
### HDMI Input Card with Audio Embedding for FLX Series Matrices

Rev. 130703

The FLX-HI4A is an HDMI input card with analog audio embedding that can be used in the input slots of any FLX matrix chassis. The HDMI inputs can accept high resolution video signals, including 3D and 48-bit Deep Color at 1080p. Additionally, audio signals from stereo up to 7.1 audio streams will pass through the matrix to supported outputs.

The FLX-HI4A also includes the ability to embed an analog audio signal into the HDMI. The external audio is supplied to the input card on the phoenix terminal blocks. Input audio can be switched between analog and digital (HDMI) by RS232 or IP command. This functionality can be changed by input, to allow each input to be configured individually.

The FLX-HI4A features advanced HDCP handling, including the ability to turn HDCP compliance ON and OFF to ensure maximum functionality with a wide range of sources.



Technical Specifications	
<b>I/O Connections</b>	
HDMI Input	Four (4) HDMI Type A Receptacle Connector
Analog Audio In	Four (4) 3 pole Euroblock Connectors
<b>Supported Audio and Video</b>	
Maximum Video Compatibility	Deep Color 48/36/30/24 Bit at 1080p, 3D
Video Compliance	HDMI and HDCP (Selectable)
HDMI Audio Compatibility	Up to PCM 8 channel, Dolby Digital TrueHD, and DTS-HD Master Audio
Analog to Digital Conversion Audio Format	PCM 2 Channel 48kHz
<b>Supported Video</b>	
Maximum Video Compatibility	Deep Color 48/36/30/24 Bit at 1080p, 3D
Video Compliance	HDMI and HDCP
<b>Analog Audio</b>	
Performance per Channel	Unbalanced Stereo Audio, -10 dBV nominal
Pinout (Left to Right)	Left (+), Ground, Right (+)
Output Impedance	50Ω
Frequency Response	20 Hz to 20 kHz, ±0.5 dB
THD + Noise	< 0.002% from 20 Hz to 20 kHz
<b>HDMI Signal Characteristics</b>	
Bandwidth	340 MHz (10.2 Gbps)
Gain	0 dB
Resolution Range	Up to 1920x1200
Crosstalk	< -50 dB at 5 KHz
Input Level	TMD5 2.9V/3.3V
<b>Chassis and Environmental</b>	
Construction	Plug-in card with keyed black metal plate
Shipping Weight	0.45 kg (1 lbs.)
Operating Temperature	0° to +40° C (+32° to +104° F)
Operating Humidity	20% to 90%, Non-condensing
Storage Temperature	-10° to +60° C (+14° to +140° F)
Storage Humidity	20% to 90%, Non-condensing
<b>Other</b>	
EDID Copy Mode Selection	Four (4) 2 position DIP switch (one per output)
Warranty	2 years
Matrix Switcher Compatibility	FLX-88, FLX-1616, FLX-3232

Distances and picture quality may be affected by cable grade, cable quality, source and destination equipment, RF and electrical interference, and cable patches. Intelix specifications are based on straight-through cabling with standard-grade Cat 5e unless noted otherwise.