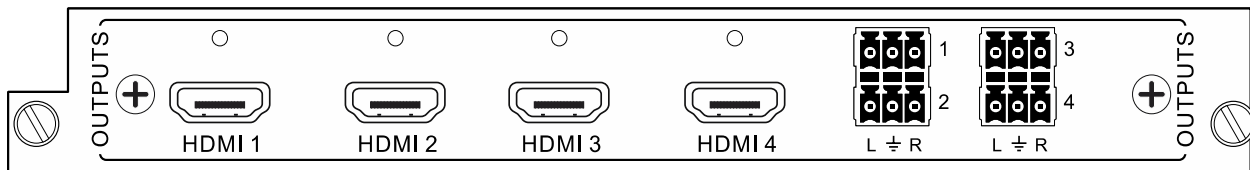# FLX-HO4A Technical Specifications
HDMI Output Card with Audio De-Embedding for FLX Series Matrices
Rev. 130703

The FLX-HO4A is an HDMI input card with analog audio de-embedding that can be used in the output slots of any FLX matrix chassis. The HDMI outputs can pass 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 to supported output devices. The FLX-HO4A also includes the ability to extract stereo audio from the HDMI signal. The external audio is output on the phoenix terminal blocks.

The FLX-HO4A features advanced EDID handling features that ensure video and audio compatibility, such as full copy and hybrid copy functions.

Technical Specifications	
I/O Connections	
HDMI Output	Four (4) HDMI Type A Receptacle Connector
Analog Audio Out	Four (4) 3 pole Euroblock Connectors
Supported Audio and Video	
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
Supported Video	
Maximum Video Compatibility	Deep Color 48/36/30/24 Bit at 1080p, 3D
Video Compliance	HDMI and HDCP
Analog Audio	
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
HDMI Signal Characteristics	
Bandwidth	340 MHz (10.2 Gbps)
Gain	0 dB
Resolution Range	Up to 1920x1200
Crosstalk	< -50 dB at 5 KHz
Input Level	TMDS 2.9V/3.3V
Chassis and Environmental	
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
Other	
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.