MXD-UMX-IB new!

Double slot Universal input board for analog & digital video and analog & digital audio

Features

- Double slot input board - needs two cards' slot in the frame
- UMX technology
- Accepts DVI-I and HDMI digital signals with embedded audio
- Digitizes VGA, YUV analog input formats and converts to HDMI or DVI
- 10-bit HD and SD; interlaced and progressive A/D conversion
- HDCP compliant
- Autodetects input signal
- Deep color support
- Picture adjustments per input port, contrast, black level, color etc.
- Pixel Accurate Reclocking
- Digital and analog audio embedding and de-embedding
- Simultaneous audio embedding and de-embedding per port
- S/PDIF digital audio connector can be configured either as both input and output
- Balanced stereo audio connector can be individually configured as both input or output
- S/PDIF connector supports PCM Stereo and 5.1 AC3 digital audio formats
- Only compatible with MX-FR80**R**, MX-FR65**R**, MX-FR33**R**, MX-FR33L and MX-FR17 frames

UMX (Universal MatriX) technology has been developed by Lightware to support various analog and digital video and audio signal formats. MXD-UMX-IB is an input board designed for our matrix routers accepting DVI, HDMI, VGA and YUV video signals and digital or analog audio. Each channel also has balanced analog bi-directional line level input/output connector, a bi-directional S/PDIF input/output connector, an HDMI audio de-embedder and re-embedder plus a small 3x3 digital audio crosspoint switch per each input port. Various combinations of sources can be connected, such as analog laptops with stereo audio output, Set-top boxes with HDMI and S/PDIF outputs, computers with HDMI output and embedded audio and many, many more. HDMI de-embedded PCM audio can be converted to stereo analog formats locally, and a new audio stream can be embedded into the video stream (5.1 S/PDIF for example) from another source. Computer VGA signals with 5.1 S/PDIF audio can be converted to HDMI for further switching in the matrix. Our well-known professional features like Pixel Accurate Reclocking, Advanced EDID Management, built-in Frame Detector and Input signal analysis, 10 bit video A to D conversion, deep color support and an HDCP enable/disable function are all built in this versatile tool.

MXD-UMX-IB

Specifications

HDCP compliancy:	yes
Max Resolution:	1920x1200 or 2048x1080
PCM Stereo audio support:	Balanced analog, S/PDIF and DVI-I connectors
5.1 audio support:	S/PDIF and DVI-I connectors only
Dolby TrueHD and DTS-HD audio:	DVI-I connector only
Power consumption (3.3 V):	4.7 A (typical), 6.8 A (max.)
Power consumption (5 V):	4.2 A (typical), 5.4 A (max.)
Calculated AC Power (W):	52.2 (typical), 70.6 (max.)
Heat dissipation (BTU):	115 (typical), 181 (max.)
Weight:	1200 g
Input connectors:	DVI-I, Phoenix, S/PDIF

Port diagram