

DVI, HDCP and HDMI compliant input board



Part No: 9112 0044



Features

- Max resolution up to 4K/UHD @ 60 Hz 4:2:0 or 4K/UHD @ 30 Hz 4:4:4
- HDMI 1.4, HDCP 1.1 and DVI 1.0 compliant
- Frame Detector (analyze detailed video timings)
- High power DVI 5V output (for fiber adapters, etc)
- Supports several embedded audio formats (including PCM, Dolby Digital and DTS)
- Automatic or adjustable color space and color range conversion
- HDCP enable/disable function on input
- Uncompressed video up to 6.75 Gbps datarate (225 MHz pixel clock)
- Advanced EDID Management
- Supports HDMI 3D signal formats (frame packing, side-by-side and top-bottom)
- Supports deep color signals (24/30/36 bit RGB/YCbCr 4:4:4)
- Pixel Accurate Reclocking
- No video compression
- No signal latency, zero frame delay

MX-DVI-4K-IB is an eight channel input board for the MX series modular matrix routers with DVI connectors for DVI and HDMI 1.4 signals with HDCP. Fully supporting HDMI 1.4 signals with embedded multichannel audio, this board is designed with screw-lockable DVI connectors for safety and security. The board features 3D compatibility, Pixel Accurate Reclocking, HDMI to DVI conversion, color space conversion (RGB and YUV per output), signal analysis, color range scaling, 12 bit Deep Color, Dolby TrueHD and DTSHD audio compatibility and PCM audio sample rate conversion.

Specifications

HDCP compliancy:	Yes
Max Resolution:	4K/UHD @ 30 Hz 4:4:4 or 4K/UHD @ 60 Hz 4:2:0
3D signal compatibility:	Frame packing, side-by-side, top-bottom
Input cable equalization:	40 dB
Power consumption (3.3 V):	2.8 A (typical), 4.7 A (max.)
Power consumption (5 V):	2.1 A (typical), 2.4 A (max.)
Calculated AC Power (W):	28.2 W (typical), 39.3 W (max.)
Heat dissipation (BTU/h):	103 BTU/h (typ.), 145 BTU/h (max.)
Weight:	850 g
Input connectors:	DVI-I