Professional 8 In 8 Out HDMI Router with HDCP1.2, HDMI1.3, DVI1.0 compatibility

MX8x8HDMI-Pro digital video router is the most advanced HDMI router that supports DVI1.0 HDCP1.2 and even HDMI1.3 deep colour standards. This highest performance routing switcher that offers 8 inputs and 8 outputs with HDMI connectors. The built in sophisticated software and hardware features make the router most flexible and integrated solution for AV professionals and high end home theatre applications. Any input can be switched to any or more outputs without switching delay or frame latency. Supporting the latest HDMI1.3 36 bit deep colour standard, it can be connected even to the latest BluRay players, set top boxes, AV receivers or Apple TV. Advanced HD audio transmission and sample rate conversion proves the compatibility with old stuff whilst handling the finest Dolby TrueHD and DTS-HD formats as well. DVI, HDMI and HDCP signals can be seamlessly integrated in any AV system using Lightware MX8x8HDMI-Pro.

All inputs are equalized and reclocked for up to 60 meter long DVI copper cable, and all outputs of the matrix router are reclocked for stable, jitter free signal transmission. The unit can be controlled either by RS-232 / RS-422 port or TCP/IP LAN connection or by built in website.

Lightware Visual Engineering is a legal HDCP adopter. Please visit: www.digital-cp.com/about_dcp/List

Features

- No switching latency – zero frame delay
- HDMI1.3; HDCP1.1 and DVI1.0 compliant
- Input signal analysis / monitoring
- Signal presence display
- S/PDIF Digital Audio breakout for every output
- Color space conversion: RGB and YUV per output
- Color range scaling per output 24/30/36-bit RGB/YCbCr 4:4:4 (Deep Color)
- 1920x1200 or 2048x1080 maximal resolutions
- Gold plated high grade PCB boards and DVI connectors
- 60 meter copper cable compensation on all inputs
- Reclocking for both inputs and outputs
- PCM audio sample rate conversion 1/2 and 1/4 per output - 32-192 kHz Fs sample rate
- Dolby TrueHD and DTS-HD audio
- Web page hosting capabilities
- Front panel buttons control
- LCD menu control
- Advanced EDID Management
- RS-232 or RS-422 and Ethernet control
- Vista Spyder and Encore compatibility

Applications

- Home theatre systems
- Multiroom video and audio control
- Professional AV systems, conference rooms
- 3D Visualizations and Network Operation Centers
- Medical imaging

Connectors

Inputs:	HDMI
Outputs:	HDMI and S/PDIF
Power:	IEC standard
Serial control:	9 pole D-sub
Ethernet:	RJ45

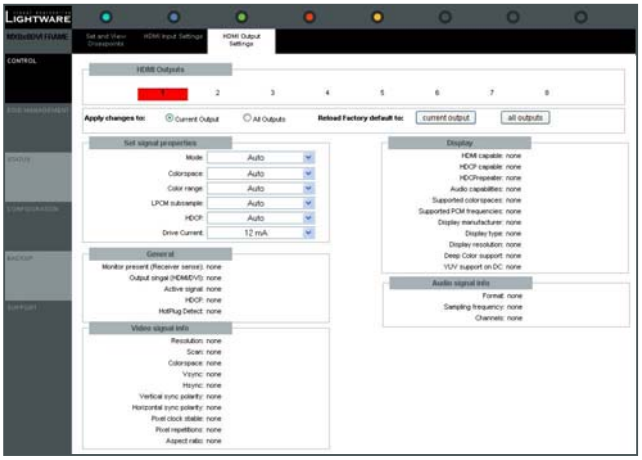
Specifications

Routing:	8x8 non-blocking - any input(s) to any output(s)
Bit rate:	2.25 Gbit/s per color
Resolution:	640x480 to 1920x1200 or 2048x1080 deep colour
EDID memory:	50 factory preset, and 50 user programmable
EDID emulation:	256 Byte Extended EDID v1.3

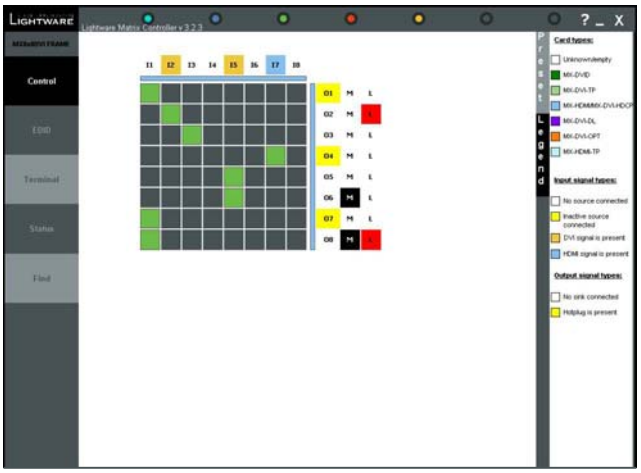
Control

Front panel buttons:	yes
RS-232 / RS-422	9600 Baud Rx; Tx
LAN:	Ethernet 10Base-T or 100Base-TX (Auto-Sensing)
WEB:	built-in website
Power:	100 to 240 V AC 3.0 Amps internal power supply
Power consumption:	72,6W (typ), 94,3W (max)
Dimensions:	446(482)W x 413D x 43,9H mm
Housing:	1U rack mount metal enclosure
Compliance:	CE
Net weight:	6520 gramms
Warranty:	3 years

HDMI output settings and signal information

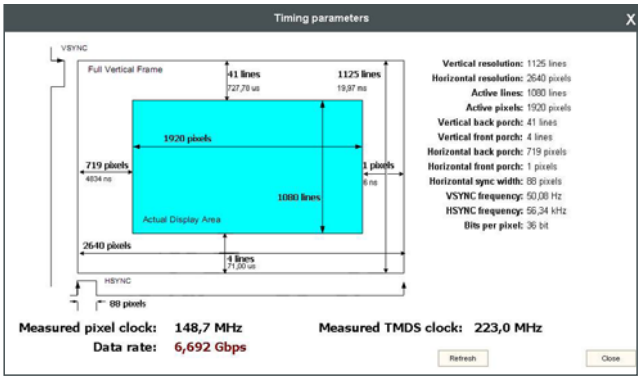


Control software for easy control and setup



Controls all functions of the router like IP configuration, routing, EDID Management, system status monitoring, Color space and color range control, audio samle rate conversion, etc.

Built-in oscilloscope function



Lightware's input signal analyzer function makes possible to determine the exact video format that is sent by the source, thus helps to identify many problems. For example the actual timing parameters may differ from the expected and this may cause some displays to drop the picture.
The signal analyzer measures the detailed timings on the matrices' incoming video signals just like a built-in oscilloscope, but it is much more easy to use. The parameters are displayed on an intuitive graphical interface.

Rear view