

8x8 DVI Matrix Switcher



Lightware MX 8x8 DVI is an 8-input 8-output DVI matrix router supporting all DVI-D resolutions coming from PC VGA cards or other DVI-D sources. It supports PC resolutions from 640x480@60Hz to 1920x1200 including all HDTV resolutions: 720p, 1080i, 1080p, 2K. The unit can route 8 DVI-D (digital) signals to any 8 displays for example LCD monitors, plasma displays or projectors. All inputs have a unique cable equalization circuit which allows to use up to 50 meter cable. All outputs support 500mA power on DVI +5V pin to power fiber optical DVI cables.

Features

- 50 meter 24 AWG cable support due to input cable equalization
- 8 Inputs, 8 Outputs non-blocking DVI cross point matrix (any inputs to any outputs)
- Single link, 1.65 Gb/s DVI-D transmission (1920x1200 or 2048x1080 max resolution)
- Supports HDTV resolutions: 720p, 1080i and 1080p and 2K without HDCP encoding
- Plug and play EDID termination at inputs – Each input has its own EDID DDC termination circuit.
- Plug and Play EDID terminations at inputs - Each input has its own EDID termination, DVI sources will recognize as "LW MX 8x8 DVI "
- Output PLL reclocking (removes jitter caused by long cables) – each output has a clean, jitter free signal, eliminating signal distortion caused by long cables or connector reflections, etc.
- Front panel buttons control – 8 inputs, 8 Outputs, Take, Load preset, Save preset, Panel Lock, Output Lock
- RS 232 or RS422 control – Simple RS232 protocol is used for switching, preset calling, status request, etc.

Connectors

Inputs:	8x 24 pole DVI-D connector
Outputs:	8x 24 pole DVI-D connector
Power:	IEC 230V
RS-232 or 422:	9p sub D female

Specifications

Inputs:	8xDVI-D single link
Bit rate:	1.65 Gbit/color
Resolution:	any between 640x480 to 1920x1200 including HDTV resolutions: 720p, 1080i, 1080p, 2K 2048x1080
EDID termination:	at each input
Equalization:	Automatic, max 40dB@ 825 MHz (1.65 Gb/s) on each input
Matrix:	8x8 non-blocking, any input(s) to any output(s)
Outputs:	8xDVI-D single link
Reclocking:	8x PLL reclocking on each output
Power:	110-230V 50..60 Hz 70 Watts
Dimensions:	1U rack mount, 44 x 480 x 300 mm

Connection

