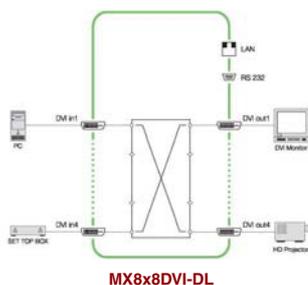# 8x8 DVI Matrix Switcher

Lightware MX 8x8 DVI-PRO is an 8-input 8-output DVI matrix router, switching all DVI-D resolutions from 640x480@60Hz to 1920x1200 including all HDTV resolutions: 720p, 1080i, 1080p, 2048x1080. All inputs have a unique cable equalization circuit which allows to use up to 50 meter cable. All outputs drives 500mA power on DVI +5V pin to power fiber optical DVI cables.

MX8x8DVI-PRO contains an advanced EDID management system. The user can emulate any EDID on the switcher's inputs independently, read out and store any attached monitor's EDID in 100 internal memory locations, upload and download EDID files using Remote Control Software. EDID is a monitor identification data, that determines for the connected computer it's native pixel resolution and refresh rates.

The DVI crosspoint switcher can be controlled through 9 pole D-sub connector via RS232 or RS422 protocol, and IP based Ethernet connection including web access.

Features

- 50 meter 24 AWG cable support due to input cable equalization
- Signal Detect LED-s at each input connector – Detects active DVI-D signal (clock channel) when connected to the input
- 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
- 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 RS-422 control – Simple RS232 protocol is used for switching, preset calling, status request, etc.
- EDID routing - advanced EDID management with EDID emulation
- Ethernet control - TCP/IP based control

Connection

MX8x8DVI-DL

Connectors

Inputs/Outputs:	8 x 24 pole DVI-D connector
Power:	IEC 230V
RS-232/RS-422:	9p sub D female
LAN:	RJ45

Specifications

Inputs:	8 x DVI-D single link
Bit rate:	6x1.65 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
EDID:	100 memories, 50 user programmable
LAN:	TCP/IP Ethernet 10Base-T or 100Base TX (Auto-Sensing)
Outputs:	8 x DVI-D single link
Reclocking:	PLL reclocking on each output
Power:	100 - 240V 50/60Hz 1.8 - 1.0 A
Dimensions:	446 (482)W x 303D x 43,9H mm
Net weight:	4500 gramms
Warranty:	3 years