MX8x4DVI-Pro and MX8x8DVI-Pro

Professional 8x4 and 8x8 DVI Matrix Switchers

Part No: 9131 0002 (8x4), 9131 0003 (8x8)
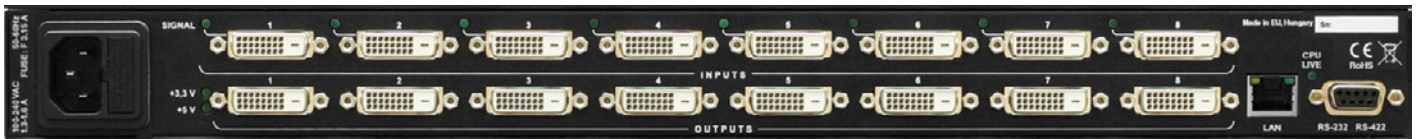
Highlight Features

- Single-link DVI-D transmission
- Supports HDTV resolutions: 720p, 1080i and 1080p and 2K
- RS-232 or RS-422 control
- Advanced EDID Management

Lightware MX8x4DVI-Pro and MX8x8DVI-Pro is an 8 input 4 output or an 8 input 8 output DVI matrix router, switching all DVI-D resolutions from 640x480 @ 60Hz to 1920 x 1200 including all HDTV resolutions: 720p, 1080i, 1080p, 2048 x1080. All inputs have a unique cable equalization circuit which allows using up to 50 meter cable. All outputs drive 500 mA power on DVI +5V pin to power fiber optical DVI cables.

MX8x4DVI-Pro and 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 RS-232 or RS-422 protocol, and IP based Ethernet connection including web access.

MX8x4DVI-Pro and MX8x8DVI-Pro

visual engineering
LIGHTWARE

Rear View

MX8x8DVI-Pro

Features

- 50 meter 24AWG 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 (1920 x 1200 or 2048 x 1080 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 (4) outputs, Take, Load preset, Save preset, Panel Lock, Output Lock
- RS-232 or RS-422 control – Simple RS-232 protocol is used for switching, preset calling, status request, etc.
- EDID routing - Advanced EDID Management with EDID emulation
- Ethernet control - TCP/IP based control

Specifications

Inputs:	8 x DVI-D Single-Link
Bit rate:	6 x 1.65 Gbit/s per color
Resolution:	Any between 640 x 480 to 1920 x 1200 including HDTV resolutions: 720p, 1080i, 1080p, 2K, 2048 x 1080
EDID termination:	At each input
Equalization:	Automatic, max 40 dB @ 825 Mhz (1.65 Gb/s) on each input
EDID:	100 memories, 50 user programmable
LAN:	TCP/IP Ethernet 10Base-T or 100BaseTX (auto-sensing)
Outputs:	8 or 4 x DVI-D Single-Link
Reclocking:	PLL Reclocking on each output
Power:	100 to 240 V 50/60 Hz 1.8-1.0 A
Power consumption:	23 W (typ), 31 W (max)
Heat dissipation:	79 BTU (typ), 106 BTU (max)
Dimensions:	446 (482) W x 303 D x 43.9 H mm
Weight:	4500 g
Compliancy:	CE
Warranty:	3 years

Connectors

Inputs:	8 x 24 pole DVI-D connector
Outputs:	8 or 4 x 24 pole DVI-D connector
Serial control:	9-pole D-sub female
LAN:	RJ45