

## Fully configurable hybrid matrix switcher supporting DVI, Fiber and CAT5 transmission from 8x8 up to to 16x16



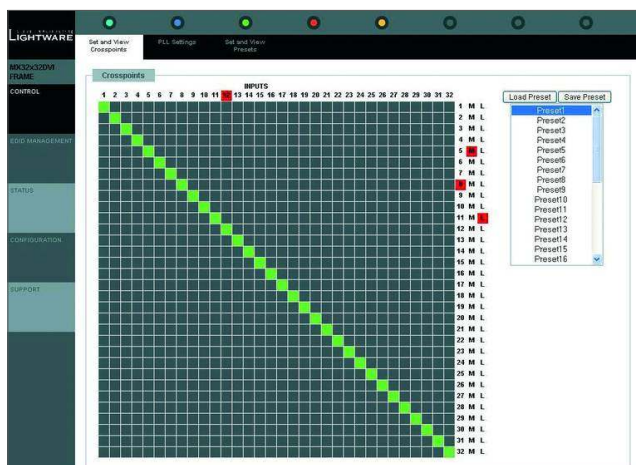
MX16x16DVI-Pro is the highest performance modular expandable DVI routing switcher that offers up to 16 inputs and up to 16 outputs. Multiple type input and output boards (DVI; Fiber and CAT5) can be used in mixed format that allows the most flexible and integrated solution on the market. Each Input and Output board contains 8 channels, and any combination can be used in a single frame. For short distances up to 50 meters the DVI or CAT5 I/O boards are suggested, for longer distances fiber solution is suggested.

**Single Fiber Technology:** Lightware single fiber technology offers the latest, state of the art digital signal transmission. Only one multimode fiber cable is used per one DVI signal, opposite to competitors, who use 4 fiber channels and copper wires. Single fiber technology lowers the system infrastructure cost and isolates sources and receivers from ground loops and hum noises. MX16x16DVI-Pro fiber crosspoint matrix switcher supports all DVI-D resolutions up to 1920x1200 and 2048x1080.

All outputs of the DVI matrix router are reclocked for stable, jitter free signal transmission. Each DVI output powers fiber optic DVI cables on +5V pin, that allows transmission of DVI signals for long distances.

The unit can be controlled either by RS-232 / RS-422 port or TCP/IP LAN connection or by built in website.

### Built - in website for easy control and setup



Controls all functions of the router like IP configuration, routing, EDID Management, system status monitoring, etc.

# MX16x16DVI-PRO

## MX-DVID-IB

- 8 channel DVI-D single link input board with DVI-D connectors
- Adaptive equalization for up to 60 meter DVI cable and EDID Management on each input



## MX-DVID-OB

- 8 channel single link DVI-D output board with signal Reclocking



## MX-DVI-TP-IB

- 8 channel RJ45 input board for DVI signal transmission over single CAT5 cable. DDC and EDID emulation on second, DDC connector.
- Input cable equalization. Use with DVI-UTP TX200 transmitter



## MX-DVI-TP-OB

- 8 channel RJ45 output board for DVI signal transmission over single CAT5 cable
- Signal Reclocking
- Use with DVI-UTP RX100 receiver



## MX-DVI-OPT-IB

- 8 channel fiber optical input board. One multimode fiber for each DVI channel
- Neutrik duplex LC connectors, max 500 meter transmission distance



## MX-DVI-OPT-OB

- 8 channel fiber optical output board with signal Reclocking
- One multimode fiber for each DVI channel
- Neutrik duplex LC connectors, max 500 meter transmission distance



## MX-DVI-FR16

- 16x16 DVI routing frame, accepts 2 input and 2 output boards

## Features

- Hybrid fiber, DVI and CAT5 input and output capabilities
- Single Fiber Technology
- Rugged Neutrik fiber connectors for rental applications
- DVI signal transmission over one CAT5 cable
- Routing from 8x8 up to 16x16 single link DVI signals
- 50 meter DVI cable compensation on all DVI and RJ45 inputs
- Field-upgradeable, modular design
- Web page hosting capabilities
- 1920x1200 and 2048x1080 maximal resolutions
- Front panel buttons control
- Advanced EDID Management
- RS-232 or RS-422 and Ethernet control

## Optional accessories

- DVI-UTP TX200: CAT5 transmitter with local monitor output and EDID Management
- DVI-UTP RX100: CAT5 receiver with DVI output
- DVI-OPT TX200: Fiber optical transmitter. DVI signal transmission over one multimode fiber. Local monitor output.
- DVI-OPT RX100: Fiber optical receiver with one DVI output.

## Connectors

DVI input and output:	24 pole DVI-D connector
CAT5/CAT6 input and output:	Category 6 RJ45 shielded
Fiber:	LC or Neutrik N02-4FD LC duplex
Power:	IEC Power inlet
RS-232 or RS-422:	9p sub D female
LAN:	RJ45
GPIO:	Phoenix 5 pole

## Specifications

Routing:	16x16 non-blocking - any input(s) to any output(s)
Bit rate:	1.65 Gbit/s per color
Resolution:	640x480 to 1920x1200 or 2048x1080
EDID memory:	50 factory preset, and 50 user programmable
EDID emulation:	256 Byte Extended EDID v1.3
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
Inputs DVI and RJ45:	DVI 8x DVI-D single link / input board
Equalization:	40dB automatically
Outputs DVI and RJ45:	8 x DVI-D single link / output board
Reclocking:	Yes
+5V current:	500mA / DVI output connector
Fiber inputs and outputs	Multimode 850 nm
Transmission distance:	500 meters
Connectors:	LC or Neutrik N02-4FD type LC compatible
Power:	100 to 240 V AC or DC 3.0 Amps
Power consumption:	118W (typ) 165W (max)
Compliance:	CE
Net weight:	13320 gramms
Warranty:	3 years