

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.

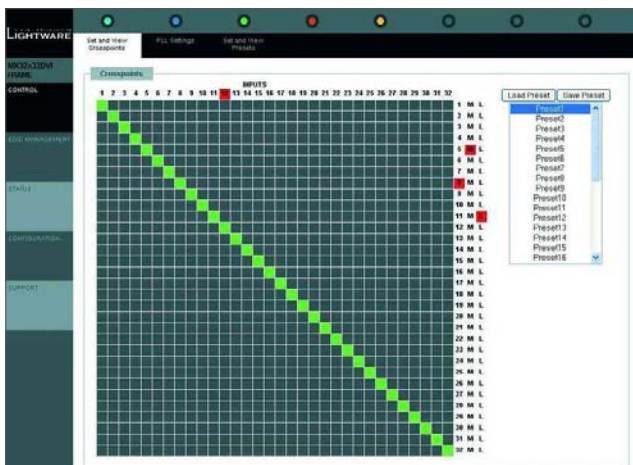


Single Fiber Technology: Lightware single fiber technology offers the latest, state of the art digital signal transmission. Only one multimode fiber cable is used per one DVI signal, opposite to competitors, who use 4 fiber channels and copper wires. Single fiber technology lowers the system infrastructure 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.

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

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|-----------------------------|---------------------------------|
| DVI input and output: | 24 pole DVI-D connector |
| CAT5/CAT6 input and output: | Category 6 RJ45 shielded |
| Fiber: | LC or Neutrik NO2-4FD LC duplex |
| Power: | IEC Power inlet |
| RS-232 or RS-422: | 9p sub D female |
| LAN: | RJ45 |
| GPIO: | Phoenix 5 pole |

Specifications

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|--------------------------|--|
| 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 NO2-4FD 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 |