

## DVI extender over CAT5 ... CAT7 twisted pair cable



Part No: 9152 0001 (TX200), 9152 0002 (TX300), 9152 0003 (RX100)



### Highlight features

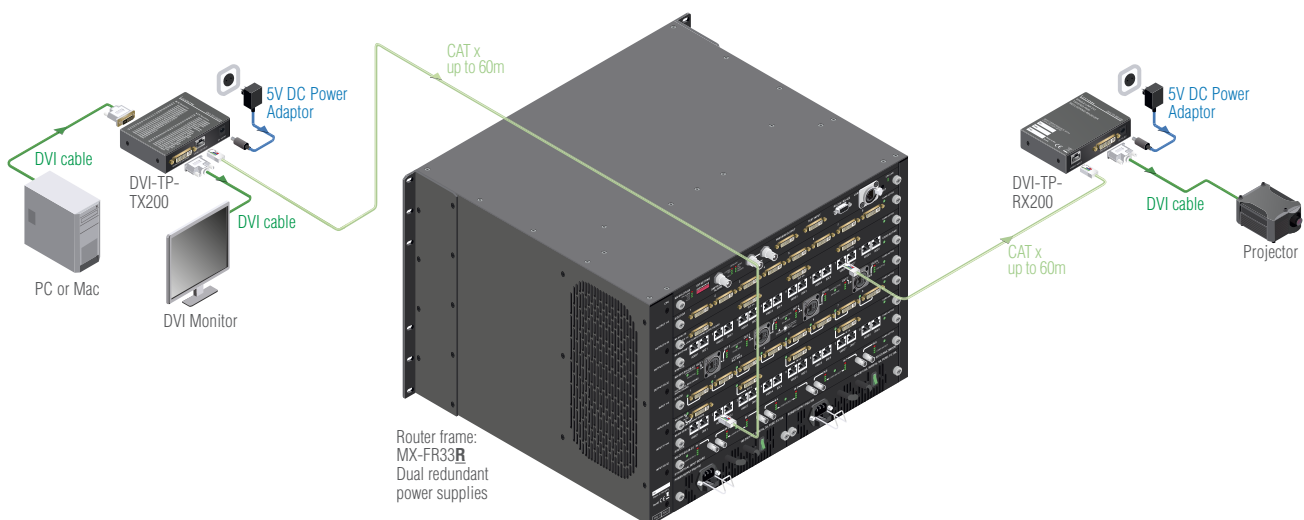
- Single cable technology
- Advanced EDID Management
- Local monitor output

Lightware TP series transceivers are DVI over twisted pair extenders which transmit Single-Link DVI-D signals over a single CAT5, CAT6 or CAT7 cable. Accessible distances depend on the used cable quality and signal resolution. DVI-TP-TX200 and DVI-TP-TX300 transmitters include an EDID Manager and built-in DVI distribution amplifier for local monitor output. Only one CATx cable is needed for DVI signal transmission, there is no need for second CAT cable. Beside the local DVI output TX200 provides one and TX300 provides two identical CATx outputs. TX300 allows transmission of DVI signal to three different remote displays including local monitor.

DVI-TP-RX100 is a high performance twisted pair receiver with automatic and precise manual cable EQ adjustment. It incorporates a unique TMDS reclocker function, that eliminates pixel errors and noise of the video signal.

All transceivers can be rack mounted or used standalone. The units are compatible with MX-DVI-TP-IB and MX-DVI-TP-OB boards which fit in Lightware matrix router frames.

### Modular matrix system example



# DVI-TP-TX200, -TX300 and -RX100

## Applications

- Digital Signage
- Fixed installations
- Conference rooms, classrooms
- Custom resolution and refresh rate EDID emulation
- Ground Loop isolation

## Features

- Single cable technology
- DVI reclocking
- 50 meter long DVI signal transmission at 1920x1080p resolution
- 65 meter DVI signal transmission at 1280x1024 resolution
- Advanced EDID Management
- 50 programmable EDID memory
- Local monitor output
- Locking DC connector for secure connection
- Source detection and Monitor detection LED

## Connectors

Input / Output DVI:	29 pole DVI-I connector
Input / Output TP:	RJ45 connector
Power:	Locking DC connector

## Specifications

Data rate per TMDS channel:	1,65 Gbps
Transmission distance (with CAT7 SFTP cable):	1080i, 720p; 1024x768 75 meters, 1920x1080p 50 meters
Max resolution:	1920x1200 or 2048x1080
HDCP pass through:	No
EDID Memory:	100 EDID
Programmable EDID Memory:	50 EDID
EDID support:	256 byte Extended EDID
Power:	External power adaptor, DC 5V 1A
Power consumption (TX200):	4W (typ) 6W (max)
Power consumption (TX300):	4W (typ) 6W (max)
Power consumption (RX200):	3W (typ) 6W (max)
Enclosure:	1 mm metal
Dimensions (TX200):	100,4W x 67,6D x 26H mm
Dimensions (TX300):	100,4W x 67,6D x 26H mm
Dimensions (RX200):	100,4W x 67,6D x 26H mm
Net weight (TX200):	230 g
Net weight (TX300):	240 g
Net weight (RX200):	230 g
Warranty:	3 years

## Maximum cable length

Resolution	VFreq(Hz)	EDID Memory	CAT5eUTP	CAT5eFTP	CAT6UTP	CAT6FTP	CAT6S/FTP	CAT7S/FTP
640x480	60	01	60 m	60 m	65 m	70 m	70 m	80 m
800x600	60	05	60 m	60 m	65 m	65 m	65 m	75 m
1024x768	60	08	55 m	55 m	60 m	60 m	60 m	75 m
1280x720p	60	36	55 m	55 m	60 m	60 m	60 m	70 m
1280x1024	60	19	50 m	50 m	55 m	60 m	60 m	65 m
1400x1050	60	23	45 m	45 m	45 m	55 m	55 m	60 m
1600x1200	60	27	30 m	35 m	35 m	45 m	45 m	50 m
1920x1080p	60	45	30 m	35 m	35 m	45 m	45 m	50 m
1920x1200p	60	28	30 m	35 m	35 m	45 m	45 m	50 m

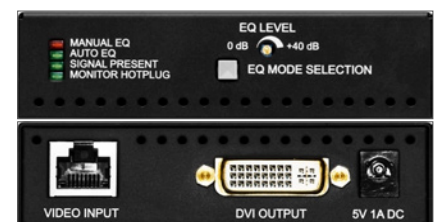
## Front and back panels



DVI-TP-TX300



DVI-TP-TX200



DVI-TP-RX100

# DVI-TP-TX200, -TX300 and -RX100

## Supplied accessory



### PSU-5VU Universal DC adaptor

(Part No: 1180 0049)

Wall power adaptor with interchangeable plug for international use.

Universal input: 100-240 V AC, 50-60 Hz,

Output: 5V DC, 2.5A

## Optional accessories



### Under desk mounting kit

(Part No: 5240 0275)

The UD-kit makes easy to mount a single device on any flat surface (e.g. furniture).



### Under desk mounting kit double

(Part No: 5240 0276)

The UD-kit double makes it easy to mount multiple devices on any flat surface (e.g. furniture).



### Rack shelf (Part No: 5240 0269)

The 1U high rack shelf provides mounting holes for fastening two half-rack or four quarter-rack sized units.