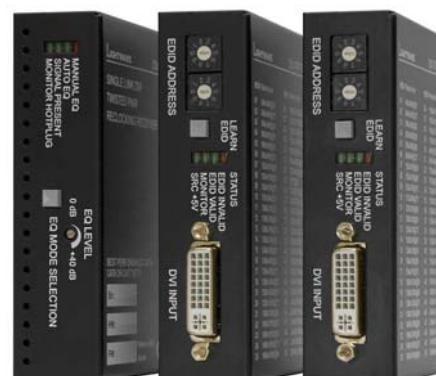


## DVI extender over CAT5 ... CAT7 twisted pair cable

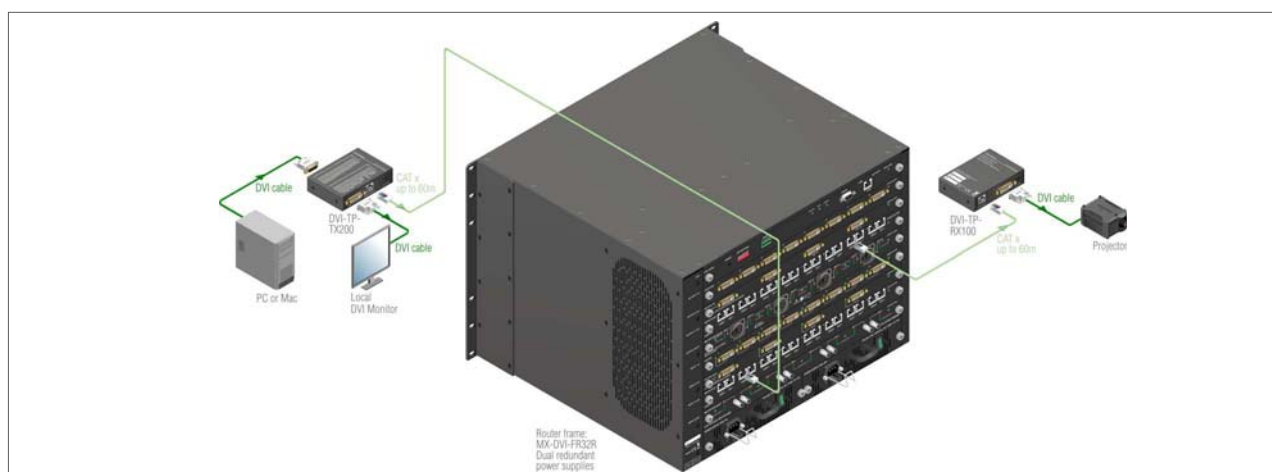
Lightware TP series transceivers are DVI over twisted pair extenders which transmit single link DVI-D signals over a single CAT5 CAT6 or CAT7 cable. Accessible distances depend on the used cable quality and signal resolution. DVI-TP-TX200 and DVI-TP-TX300 transmitters include an EDID Manager and built-in DVI distribution amplifier for local monitor output. Only one CAT5 cable is needed for DVI signal transmission, there is no need for second CAT cable. Next to 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.

### System example



### Options

1U rack shelf



## Applications

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

## Features

- One Cable Technology
- DVI reclocking
- 50 meter long DVI signal transmission at 1920x1080p resolution
- 80 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:	CAT6 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	60m	60m	65m	70m	70m	80m
800x600	60	05	60m	60m	65m	65m	65m	75m
1024x768	60	08	55m	55m	60m	60m	60m	75m
1280x720p	60	36	55m	55m	60m	60m	60m	70m
1280x1024	60	19	50m	50m	55m	60m	60m	65m
1400x1050	60	23	45m	45m	45m	55m	55m	60m
1600x1200	60	27	30m	35m	35m	45m	45m	50m
1920x1080p	60	45	30m	35m	35m	45m	45m	50m
1920x1200p	60	28	30m	35m	35m	45m	45m	50m

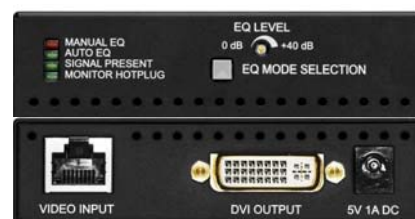
## Front and back panels



DVI-TP-TX300



DVI-TP-TX200



DVI-TP-RX100