

## Lightware HDMI Optical Extenders at ISE

Written by Bob Snyder  
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Lightware Visual Engineering introduces HDMI-OPT-TX100, -TX100R, -TX200R and HDMI-OPT-RX100, -RX100R, -RX200R single fiber HDMI1.3 extenders.

Lightware HDMI-OPT-series devices extend HDMI1.3, DVI1.0, HDCP and bidirectional RS-232 signals over one multimode fiber, and transmit the video signal with embedded audio to up to 2600 meters distance.

All transmitters feature Lightware's Advanced EDID Management with a memory of 100 EDIDs, 50 of which are user programmable. Using the factory, custom or transparent EDID emulation the user can fix and lock EDID data on the transmitter's input connector.

SingleFiberTechnology makes these units fully HDMI1.3 and HDCP1.1 compliant without need of a second fiber cable or copper connections. To simplify cabling, the bi-directional communication – which is necessary for HDCP handshaking – is performed on the same fiber core that transmits the video signal.

Cross compatibility between every device in Lightware's fiber optical product portfolio is ensured thanks to our attentive design. In a standalone application the HDMI-OPT series transmitter and receiver can work together simply, but with Lightware's hybrid modular matrix concept, it is even possible to connect these extender boxes directly to the matrix router using an MX-HDMI-OPT series input or output optical boards. This integrated solution simplifies installation and helps

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reducing system costs as well.

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