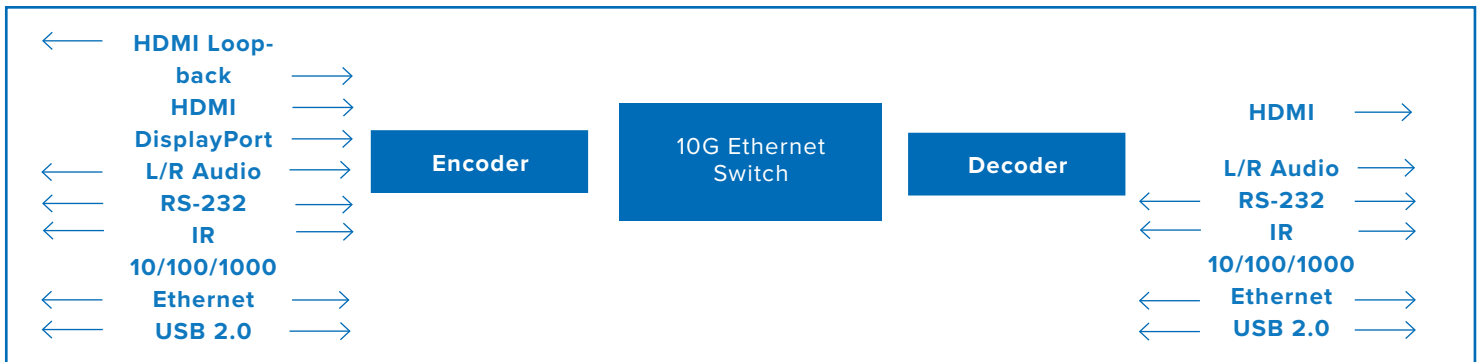
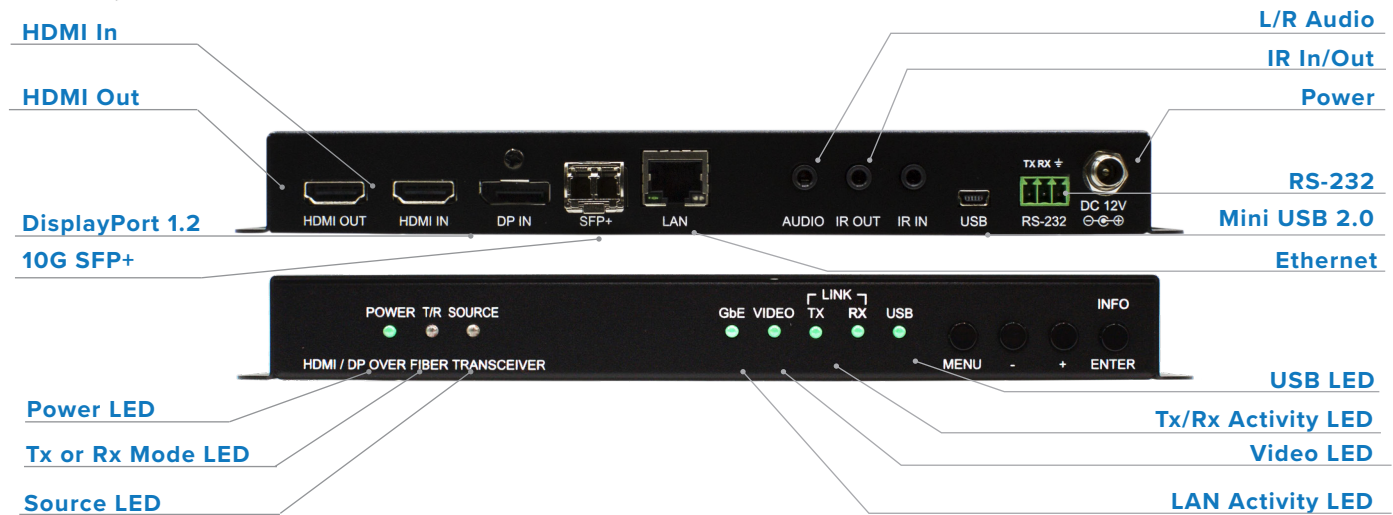


10G AV Over IP HDMI/DisplayPort Video Transceiver (Tx or Rx) Over Optical 10G IP Network


SDVoE™
LBN-10GTRO


OVERVIEW

The LBN-10GTRO is a SDVoE-Compliant, All-In-One AV over IP Transceiver that provides the highest-quality, uncompressed 4K and zero-frame latency Audio/Video extension over Optical 10G Networks. The Transceiver(s) functions in either Encoder/Tx or Decoder/Rx Modes to provide versatile options for easy future scalability. Multiple control and data signals can be simultaneously transmitted with audio and video, including IR, RS-232, USB and Ethernet. The Transceiver is ideal for large event installations where multiple Transceivers can be combined with one or more 10GbE fiber switches to form a distributed video matrix, a multi-viewer system, or a video wall system.

FEATURES

- Configurable either as Encoder (TX) or Decoder (RX)
- Supports 4K60 HDMI Video at 18Gbps, together with Audio, RS-232, IR, LAN, and USB, over Optical 10G IP Network
- Visually Lossless Compression and Zero Latency
- HDCP 2.2 Compliant
- Supports pass-through 10/12-bit HDR sources
- Provides Analog Audio Insertion and Extraction
- Bi-directional RS-232, IR, USB 2.0, and full LAN 10/100/1000Mbps Extension
- AV Processing supports video scaling, video wall, single-frame switching, multi-view windowing, and audio down-mixing

VIDEO INPUT

Video Formats	18G 4K HDMI, DisplayPort 1.2
Connector	HDMI type A Full Size DisplayPort

VIDEO OUTPUT

Video Formats	18G 4K HDMI
Connector	HDMI type A

AUDIO

Audio Format	L/R Analog
Connector	3.5mm Stereo Jack
Configuration	TX: Audio Input & Output RX: Audio Output

SERIAL DATA

Channel Capacity	1 bi-directional
Signal Format	RS-232
Data Rate	115,200 baud max
Connector	3-pin Terminal Block

IR

Channel Capacity	1 bi-directional
Frequency	30-50KHz
Connector	3.5mm Jack

ETHERNET

Channel Capacity	1
Ethernet Speed	10/100/1000Base-T
Connector	RJ-45

USB

Channel Capacity	1
Signal Format	USB 2.0
Connector	USB type A adapter included

OPTICAL PORT

Transceiver type	10G SFP+ module
Number of fibers	2
Connector	LC
Maximum Transmission Distance	300m with OM3 multimode Fiber

STATUS LED INDICATORS (ENCODER/DECODER)

Power	Indicates input power present
T/R	Indicates if device is TX or RX
Source	Indicates which local video input is selected
Link TX	Indicates 10G transmission activity
Link RX	Indicates 10G receiver activity
Video	Indicates stable video
GbE	Indicates local Ethernet activity
USB	Indicates USB activity

PHYSICAL

Dimensions Standalone	9.11"(W) x 6.56"(D) x 0.98"(H)
Power Supply	12V DC, 3A
Operating Temperature	0 to 40°C, operating
Humidity	0 to 90% RH, Non-Condensing

CERTIFICATIONS

CE, FCC

GREEN COMPLIANCE

RoHS

ORDER INFORMATION

LBN-10GTRO Transceiver with HDMI/DisplayPort Input and HDMI Output (300m multimode 10G SFP+ included)

Included Accessories 12V DC Power Adapter

Optional Accessories

LBN-10G-SFP-8M 10G SFP+ Multimode Fiber Module

PANEL DRAWING

