

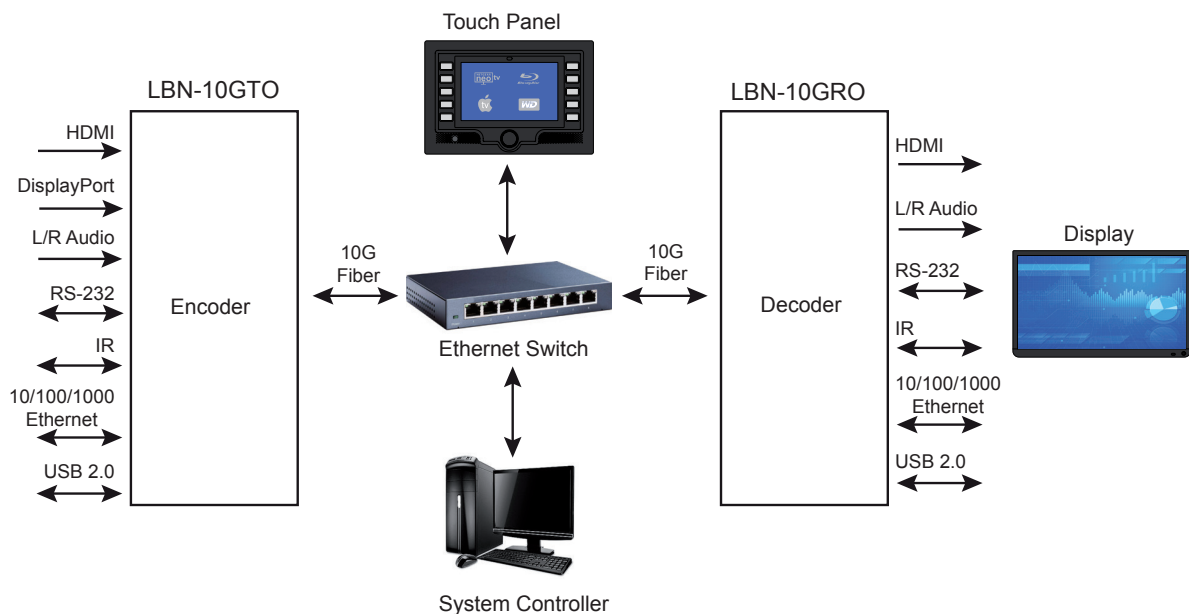
LBN-10GTO/10GRO

Link Bridge HDMI 2.0 Video Encoder/Decoder Over Optical 10G IP Network



FEATURES

- Supports HDMI 2.0 Video, together with Audio, RS-232, IR, LAN, and USB, over Optical 10G IP Network
- Visually Lossless Compression and Zero Latency
- HDMI 2.0 and HDCP 2.2 Compliant
- Supports pass-through 10/12-bit HDR sources (Point-to-Point and Genlock mode only)
- HDMI and DisplayPort Input at TX, and HDMI Output at RX
- Provide Analog Audio Insertion and Extraction
- Bi-directional RS-232, IR, USB 2.0 Ports, as well as Local 10/100/1000Mbps LAN
- AV Processing supports video scaling, video wall, single-frame switching, multi-view window, and audio down-mixing



DOING MORE WITH ONE CABLE



VIDEO INPUT (TX)

Video Formats	HDMI 2.0, DisplayPort 1.2
Connector	HDMI type A (HDMI 2.0) DisplayPort (DisplayPort 1.2)

VIDEO OUTPUT (RX)

Video Formats	HDMI 2.0
Connector	HDMI type A

AUDIO (TX/RX)

Audio Format	Analog L/R
Connector	3.5mm Jack

SERIAL DATA (TX/RX)

Channel Capacity	1 bi-directional
Signal Format	RS-232
Data Rate	115,200 baud max
Connector	DB-9

IR (TX/RX)

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

ETHERNET (TX/RX)

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

USB (TX/RX)

Channel Capacity	1
Signal Format	USB 2.0
Connector	USB type B (TX), USB type A (RX)

OPTICAL PORT (TX/RX)

Transceiver type	10G SFP+ module
Number of fibers	2
Connector	LC

STATUS LED INDICATORS (ENCODER/DECODER)

Power	Indicates input power present
Link TX	Indicates 10G transmission activity
Link RX	Indicates 10G receive activity
Video	Indicates stable video
GbE	Indicates local Ethernet activity
USB	Indicates USB activity

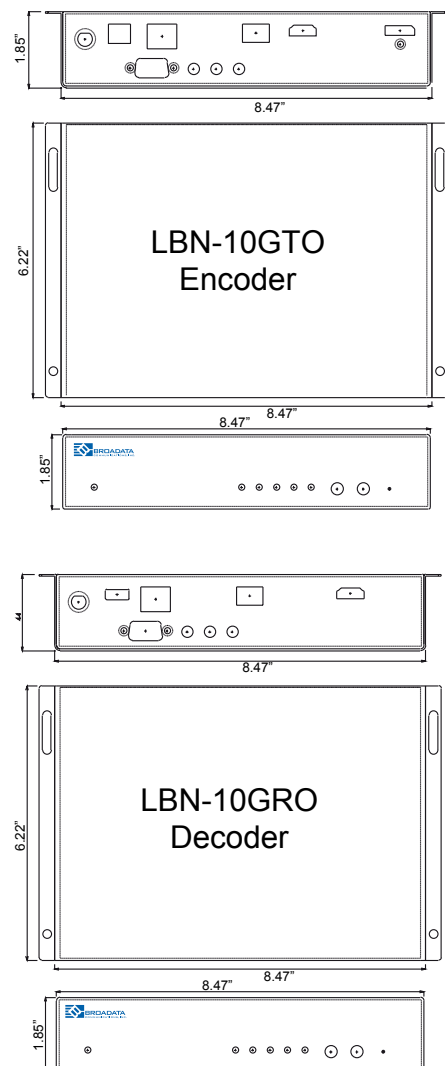
PHYSICAL

Dimensions	8.47" (W) x 6.22" (D) x 1.85" (H)
Power	+12 VDC @ 3.0 Amps (Max.),
Operating Temperature	Up to 40-deg C, operating
Humidity	0 to 90%, non-condensing

ORDERING INFORMATION

LBN-10GTO	Encoder with HDMI/DisplayPort Input (300m multimode 10G SFP+ included)
LBN-10GRO	Decoder with HDMI Output (300m multimode 10G SFP+ included)

PANEL DRAWINGS



DOING MORE WITH ONE CABLE