DiVAR
OPTICAL FIBER SOLUTIONS

LWL2CXBALBI

Stereo Audio over Fiber - bi-directional

LWL2CXBALBI support two Line-level channel bi-directional balanced audio 16-bit digitally encoded broadcast quality over one multi-mode or single-mode optical fiber. These fiber optic transmitter and fiber optic receiver are typically used in applications for Rental, Staging, Theater, Stadiums, Theme Parks, Broadcast/Studio, CCTV audio and Professional AV applications, etc. and are available for stand-alone or rack-mount installations. FC, ST or SC optical connectors are optional.

Plug and Play design ensures adjustment-free installation and operation, and optical adjustments are never required. LED indicators are provided to instantly monitor the system operating status.

SPECIFICATIONS

OPTICAL	Wavelength	1310 nm & 1470 nm~1610 nm
	Output Power	-14~ -8 dBm / -5~0 dBm
	Optic fiber	50/125u multimode, 62.5/125u multimode, 9/125u single mode
	Rx sensitivity	-30 dBm
	Optical connector	FC or ST or SC (optional on request)
	Distance	0~2.000 m (MM) / 0~20 km (SM)

BALANCED AUDIO	Number of Channels	4 channel, TX/RX 2x Input + 2x Output, RX/TX 2x Input + 2x Output
	Input Connector	XLR3-F (female)
	Output Connector	XLR3-M (male)
	Input / Output Impedance	10 kOhm, electronically balanced
	Input capacitance LINE inputs	10 pF
	Max input/output voltage	Line: 3.0 Vp-p
	Frequency Response	10 Hz~24 kHz @ ±3 dB
	Sample Rates From	48 kHz
	SNR	> 80 dB

ELECTRICAL & MECHANICAL	Input Power Requirements	DC 5 V @ 2 A
	Power Adapter	AC 90 V~240 V; DC 5 V 2 A
	Power Consumption	< 5 W
	Dimensions	168 mm × 154 mm × 45 mm
	Weight	650 g Transmitter & Receiver each

ENVIRONMENTAL	Operating Temperature:	-20°C ~ +75°C
	Storage Temperature:	-40°C ~ +85°C
	Relative Humidity:	0% ~ 95% (non-condensing)
	MTBF:	>100,000 hours

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