

# AUDIO VIDEO SYSTEM

## Lightem Systems LBAA Series Analog Audio Digital fiber optic Transmission System

**LBAA-2:** Lightem Systems LBAA-2 is a high performance broadcast quality 2-channel audio transmission system. Features 2-channel analog audio input and 2-channel analog audio as output.

**LBAA-4:** Lightem Systems LBAA-4 is a high performance broadcast quality 4-channel audio transmission system. Features 4-channel analog audio input and 4-channel analog audio as output.

**LBAA-8:** Lightem Systems LBAA-8 is a high performance broadcast quality 8-channel audio transmission system. Features 8-channel analog audio input and 8-channel analog audio as output.

**LBAA-16:** Lightem Systems LBAA-16 is a high performance broadcast quality 16-channel audio transmission system. Features 16-channel analog audio input and 16-channel analog audio as output.



### FEATURES

- Audio 20-bit encoder/decoder.
- Audio input/output balance/unbalance transform automatically.
- ESD protection.
- Transmission distance up to 100 KM.

### APPLICATIONS

- Radio station audio program transmission
- Public site such as gymnasium/theater audio transmission

### SPECIFICATION

Audio input	LBAA-2	LBAA-4	LBAA-8	LBAA-16
Number of channel	2	4	8	16
Signal Resolution	20 bits			
Frequency response	20Hz-20KHz@-0.5dB			
Operating mode	Balanced or unbalanced			
Max input level	17.4Vp-p(+18dBm)			
Isolation	>90dB@1kHz;>90dB@20kHz			
Input impedance	600Ω or big resistance			
Connector	XLR			
Audio output				
Number of channel	2	4	8	16
Signal Resolution	20 bits			
Frequency response	20Hz-20KHz@-0.5dB			
Operating mode	Balanced or unbalanced			
Max output level	17.4Vp-p(+18dBm)			
SNR(weighted)	>90dB			
THD	<0.2%			
Isolation	>90dB@1KHz;>90Db@20khZ			
Delay	2 degree			
Amplitude match	±0.2dB			
Output impedance	Small resistance			
Connector	XLR			

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Physical				
Dimension(HxWxD)	44x433x340 (mm)	44x433x340 (mm)	44x433x340 (mm)	88x433x340 (mm)
Power Supply	130 - 255VAC,50-60Hz			
Power Consumption	<20W			
Operating Temperature	0 - +50 °C			
Humidity	0 - 95% RH, non-condensing			
LED Status Indicator	Power, Optical Link, Audio Activity			
Optical				
Fiber Type	Single mode or Multimode			
Number of fiber	1			
Wavelength	1310nm and/or 1550nm			
Fiber Optic Connector	FC/PC			
Transmission Distance	0-100km			

## PRODUCTS



LBAA-2



LBAA-4



LBAA-8



LBAA-16

## ORDERING INFORMATION

P/N	DESCRIPTION
LBAA-2	Lightem Systems LBAA 2Ch Broadcasting grade Audio Fiber Converter
LBAA-4	Lightem Systems LBAA 4Ch Broadcasting grade Audio Fiber Converter
LBAA-8	Lightem Systems LBAA 8Ch Broadcasting grade Audio Fiber Converter
LBAA-16	Lightem Systems LBAA 16Ch Broadcasting grade Audio Fiber Converter