

AUDIO VIDEO SYSTEM

AES/EBU Digital Audio fiber system

Lightem Systems LBDA series is high performance AES/EBU digital audio fiber optic transmission system. Provide X-channel AES/EBU digital audio via fiber optic transmissions media. It accepts synchronous or asynchronous AES/EBU of 44.1 or 48 kHz sampling frequency.



FEATURES

- Input/output AES/EBU digital audio
- X-channel synchronous or asynchronous AES/EBU signals transmitted simultaneously.
- Transmission distance up to 120 km without relay

APPLICATIONS

- Radio Station AES/EBU Signal Transmission
- ENG/EPG Serial Digital Audio Transmission
- Tape Deck to Digital Audio Tape Transmission
- Pre-production and Post-production Serial Digital Audio Links

SPECIFICATIONS

Model	LBDA-2	LBDA-4	LBDA-8
<i>AES/EBU Audio Input</i>			
<i>Standard</i>	AES/EBU under AES3-1992(ANSI S4.40-1992, IEC 958)1		
<i>Channel Capacity</i>	2	4	8
<i>Level</i>	0.2-7.0Vp-p		
<i>Sampling Frequency</i>	32 KHz-108 KHz		
<i>Impedance</i>	110Ω(balance),or 75Ω(unbalance)		
<i>Connector</i>	XLR(balance), BNC(unbalance)		
<i>AES/EBU Audio Output</i>			
<i>Channel Capacity</i>	2	4	8
<i>Level</i>	5Vp-p		
<i>Sampling Frequency</i>	48KHz <0.6ns@270Mbps		
<i>Jitter</i>	<0.005UIp-p		
<i>Rise/Fall time</i>	<25ns		
<i>Impedance</i>	110Ω(balance)		
<i>Connector</i>	XLR(balance)		
<i>Physical</i>			
<i>Dimension</i>	43×430×230 (mm)		
<i>Power Supply</i>	130 – 255VAC,50-60Hz		
<i>Temperature</i>	0 – +50 °C		
<i>Humidity</i>	0 – 95% RH, non-condensing		
<i>LED Indicator</i>	Power, Optical Link, Audio Activity		

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<i>Optical</i>	
<i>Fiber Type</i>	Single mode or multimode
<i>Number of fiber</i>	1
<i>Wavelength</i>	1310/1550
<i>Fiber Optic Connector</i>	FC/PC
<i>Transmission Distance</i>	0-100km

ORDERING INFORMATION

P/N	Description
LBDA-2	Lightem Systems 2-channel AES/EBU Digital Audio fiber optic converters
LBDA-4	Lightem Systems 4-channel AES/EBU Digital Audio fiber optic converters
LBDA-8	Lightem Systems 8-channel AES/EBU Digital Audio fiber optic converters