

4 SDI Digital Video plus IP fiber System

Lightem Systems LSDASI-4-E digital video fiber optic transmission system transmits 4 SD-SDI(143M/177M/270M/360M/540Mbps) standard definition digital video and 1 10/100/1000Mbps ethernet through one single mode fiber or multimode fiber with the standards of SMPTE259M, SMPTE297M, SMPTE310M, SMPTE305M (SDTI), or transmit 4 digital video signal with the standard of DVB-ASI stream. The converter provides 4 SDI/ASI input, and the receiver outputs 4-way parallel SDI/ASI digital video.



FEATURES

- SDI/ASI signal auto recognition
- Compliant with the standards of SMPTE259M, SMPTE297M, SMPTE310M, SMPTE305M (SDTI), SMPTE344M
- Compliant with the standard of DVB-ASI(EN50083-9)
- Auto adaption to the speed of SDI 143M,177M,270M,360M,540Mbps, or DVB-ASI
- Support gigabit Ethernet network, IEEE 802.3 standard

SPECIFICATIONS

Parameters	Values
<i>SDI/ASI Input</i>	
<i>Signal Standard</i>	SMPTE259M, SMPTE297M, SMPTE310, SMPTE305(SDTI), DVB-ASI(EN50083-9)
<i>No. of Input</i>	4
<i>Resolution</i>	10 bit
<i>Signal Level</i>	>380mVp-p
<i>Auto-Cable Equalization</i>	>250m(270Mbps) (BELDEN8281 Cable)
<i>Return Loss</i>	>16dB (270Mbps)
<i>Impedance</i>	75Ω
<i>Connector</i>	BNC
<i>SDI/ASI Output</i>	
<i>Number of Output</i>	4
<i>Signal Level</i>	800mVp-p±10%
<i>Rise/Fall Time</i>	<0.65ns
<i>SDI Jitter</i>	<0.2UI(740ps)@10Hz / <0.2UI(740ps)@1kHz
<i>Impedance</i>	75 ohm
<i>Connector</i>	BNC
<i>Ethernet Network</i>	
<i>Standard</i>	IEEE 802.3
<i>Data rate</i>	10/100/1000Mbps auto sense
<i>Auto Negotiation</i>	Support
<i>Work mode</i>	Full-duplex or half-duplex
<i>Auto-cross</i>	Support
<i>Connector</i>	RJ45
<i>LED Indicators</i>	Data rate, fiber optic

AUDIO VIDEO SYSTEM

<i>Physical</i>	
<i>Dimension(HxWxD, mm) 19-inch 1RU</i>	44×433×340
<i>Power Supply</i>	30 – 255VAC, 50-60Hz
<i>Power Consumption</i>	<10W
<i>Operating Temperature</i>	0 to +70 Degree
<i>Humidity</i>	0 to 95% RH Non-condensing
<i>LED Status Indicator</i>	Power, Optical Link, Video Activity
<i>Optical</i>	
<i>Fiber Type</i>	Single mode or multimode
<i>Number of fiber</i>	1
<i>Wavelength</i>	1310/1550
<i>Distance</i>	upto 120 km
<i>Connector</i>	FC/PC

ORDERING INFORMATION

P/N	Description
LSDASI-4-E	Lightem Systems 4Ch SDI/ASI Digital Video + Gigabit Ethernet fiber optic converter