

SDI to analog Video Converter

Lightem Systems LSC series SDI to analog video converter converts SDI digital video to analog video with broadcasting quality and is over 250C short haul technical specification. It is a suitable for applications in TV station, CMMB,IPTV, mobile TV, mobile phone TV, telecommunication operators, government video conference system and other new media field.



FEATURES

- Compliant with the standards of SMPTE259M, SMPTE297M, SMPTE305M, SMPTE310M,
- Auto adaption to the speed of SDI 143M, 177M, 270M, 360M, 540Mbps
- Automatic cable equalization function, signal re clocking

APPLICATIONS

- HD Video at TV Stations
- Telecommunication Operators
- Government Video Conference
- New Media Field

SPECIFICATIONS

SDI Digital Video Input	
Signal Standard	SMPTE424M, SMPTE292M, SMPTE259M, SMPTE297M, SMPTE305M, SMPTE310M
Number of Input	1
Signal Level	>380mVp-p
Auto-Cable Equalization	>100m@2970Mbps, (Belden 1694A cable)
	>200m@1485Mbps, (Belden 1694A cable)
	>350m@270Mbps, (Belden 1694A cable)
Input Return Loss	>10dB@2970Mbps
Impedance	75Ω
Connector	BNC
Analog video output	
Signal standard	PAL 525/625 Lines
Channel	1
Output level	1.0Vp-p@75Ω
Color delay	< 10ns
Differential gain	< 1.0%
Differential phase	< 0.7 degree
SNR(weighted)	> 70dB
Impedance	75Ω
Connector	BNC

AUDIO VIDEO SYSTEM

<i>Analog audio output</i>	
<i>Channel</i>	2
<i>Frequency response</i>	20Hz-20KHz@-0.5dB
<i>Max level</i>	17.4Vp-p(+18dBm)
<i>SNR</i>	>88dB
<i>Isolation</i>	>90dB@1KHz
	>90dB@20KHz
<i>Output impedance</i>	Small resistance
<i>Connector</i>	XLR
<i>Physical</i>	
<i>Dimension(H×W×D, mm)</i>	44×176×221.2(mm)
<i>Power supply</i>	130-260VAC, 50/60Hz
<i>Operation temperature</i>	0 ~ 50°C
<i>Relative humidity</i>	0-95%, non-condensing
<i>LED status indicator</i>	Power, video activity

ORDERING INFORMATION

P/N	Description
LSC-SDIAV	Lightem Systems SC series SDI Digital Video to Analog Video