

## Analog Video (with Analog audio embedder) to SDI Converter

Lightem Systems LSC series Analog video to SDI converter converts analog video to SDI digital video. It is 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

- Convert analog video to 3G/HD/SD-SDI video
- Analog audio embedder
- Compliant with the standards of SMPTE424M, SMPTE292M, SMPTE259M, SMPTE297M, SMPTE305M, SMPTE310M
- Auto adaption to the speed of SDI 143M, 177M, 270M, 360M, 540M, 1483.5M, 1485M, 2970Mbps

### APPLICATIONS

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

### SPECIFICATION

Analog Video Input	
Standard	PAL,NTSC,525/625 Lines
Channel Number	1
Signal Resolution	10Bits
Input Level	0.6-1.6Vp-p
Color Delay	<10ns
Differential Gain	<1.0%
Differential Phase	0.7 degree
SNR(Weighted)	>70dB
Connector	BNC 75 Ohms
Analog audio input	
Channel	2
Frequency response	20Hz-20KHz@-0.5dB
Max input level	17.4Vp-p(+18dBm)
Isolation	>90dB@1KHz, >90dB@20KHz
Input impedance	600Ω
Connector	XLR

# AUDIO VIDEO SYSTEM

<i>SDI Digital Video Output</i>	
<i>Channel Capacity</i>	1
<i>Signal Level</i>	800mVp-p±10%
<i>Rise/Fall time</i>	<0.6ns@270Mbps
<i>SDI Jitter</i>	<0.2UI(740ps)@10Hz
	<0.2UI(740ps)@1kHz
<i>Impedance</i>	75Ω
<i>Connector</i>	BNC
<i>Physical</i>	
<i>Dimension(HxWxD)</i>	44×158.5×250(mm)
<i>Power Supply</i>	130 - 255VAC,50-60Hz
<i>Operating Temperature</i>	0 - +50°C
<i>Humidity</i>	0 - 95% RH, non-condensing
<i>LED Status Indicator</i>	Power

## ORDERING INFORMATION

P/N	DESCRIPTION
LSC-AVSDI	Lightem Systems SC series Analog Video to SDI Digital Video converter