

AUDIO VIDEO SYSTEM

HDMI to 3G/HD/SDI Digital Video Converter

Lightem Systems LSC HDMI to 3G/HD/SDI converter converts HDMI or DVI-D HD multimedia signal to 3G-SDI / HD-SDI or SDI digital video signal. 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

- HDMI or DVI-D signal auto recognition as input and output as 3G-SDI/HD-SDI/SDI automatically
- Compliant with the standards of HDMI1.3, DVI1.0, SMPTE424M, SMPTE292M, SMPTE259M, SMPTE297M, SMPTE305M, SMPTE310M
- Auto adaption to the speed of 3G-SDI/HD-SDI/SDI 143M,177M,270M,360M,540M,1483.5M,1485M,2970Mbps
- Resolution up to 1080p@60Hz, 12-bit color

APPLICATIONS

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

SPECIFICATIONS

HDMI or DVI-D HD Digital Video Input	
<i>Signal Standard</i>	HDMI 1.3, DVI 1.0, HDCP, CEA-861E
<i>Channel Number</i>	1
<i>Data Rate</i>	Maximum up to 3Gbps
<i>Resolution</i>	576i, 720p, 1080i, 1080p@60Hz
<i>Formats</i>	RGB, YCbCr, and xvYCC digital video
<i>Clock frequency</i>	225MHz
<i>Connector</i>	HDMI, type A, female
3G/HD/SDI Digital Video Output	
<i>Channel Capacity</i>	1
<i>Signal Level</i>	800mVp-p±10%
<i>3G-SDI Rise/Fall time</i>	<135ps@2970Mbps
<i>HD-SDI Rise/Fall time</i>	<270ps@1485Mbps
<i>SDI Rise/Fall time</i>	<0.6ns@270Mbps
<i>3G-SDI Jitter</i>	<0.3UI
<i>HD-SDI Jitter</i>	<0.2UI(134ps)@100kHz <1.0UI(673ps)@10Hz
<i>SDI Jitter</i>	<0.2UI(740ps)@10Hz
	<0.2UI(740ps)@1kHz
<i>Impedance</i>	75Ω
<i>Connector</i>	BNC

AUDIO VIDEO SYSTEM

<i>Physical</i>	
<i>Dimension(HxWxD)</i>	39×166×95
<i>Power Supply</i>	130 – 260VAC, 50-60Hz
<i>Power Consumption</i>	<5W
<i>Temperature</i>	0 to +50 °C
<i>Humidity</i>	0 to 95% RH Non-condensing
<i>LED Status Indicator</i>	Power, Video Activity

ORDERING INFORMATION

P/N	Description
LSC-HM3GSDI	Lightem Systems SC series HDMI Digital Video to 3G/HD/SDI Converter