

## LM-SC5810HA SD/HD/3G-SDI to HDMI&AV MULTI -FUNCTION CONVERTER

### § 1. Overview

LM-SC5810HA converter is used in converting one channel SDI signal to HD Multimedia signal and AV(CVBS) signal . separate and convert the sound signals of SDI, and then embed to HDMI signal and AV signal, to achieve the video and sound transmission synchronously. This equipment has one channel loopback function in SDI signal output, User can monitor camera's situation in this locality.

### § 2. Features

- Support SDI input format: 480i, 576i, 720p50/60, 1080p24/25/30, 1080i 50/60, 1080p50/60.
- Support SMPTE 425M(A level and B level), SMPTE424M, SMPTE292M, SMPTE259M-C.
- Carry 1 channel SDI signal loop out.
- SDI signal support the maximum input coax length:  
Belden 1694A: SD-SDI 400m;  
HD-SDI 200M;  
3G-SDI 140M.
- Automatically embed SDI audio signal to HDMI signal and AV (CVBS) signal.

### § 3. Specifications

MODEL		LM-SC5810HA
Video In		SD/HD/3G-SDI
Video Out		SD/HD/3G-SDI, HDMI Digital Signal, AV(CVBS)
Input Power		DC 12V/250mA
Video signal bandwidth		270Mbps,1.485Gbps,2.970Gbps
Connection Port	SDI In/Out	BNC-F (75Ω)
	HDMI Out	HDMI 1.3 connector
	AV Out	BNC
LED	SDI	Flickering: Receiving
	HDMI	Flickering: Receiving
	AV	Flickering: Receiving
	LMR	On: Working
Temperature / Humidity		-20°C ~ +60°C / 0 ~ 80%

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## § 4. Sizes and Packaging accessories

### § 4.1 Sizes

Model	Description	Size
LM-SC5810HA	SDI- HDMI & AV(CVBS) Converter	120*119*36mm

### § 4.2 Packaging accessories

Packaging accessories list:

- SD/HD/3G-SDI to HDMI&AV Converter 1 piece
- AC Adapter 1 piece
- User Manual 1 piece

## § 5. Panel Layout and LED Indicators Illustrations

### § 5.1 LED Indicators Illustrations

The LEDs indicate the meanings from top to bottom as following respectively:

Name	Color	Status	Description
HDMI	Green	Turn On	HDMI signal is active status.
		Turn Off	HDMI signal is inactive status.
AV(CVBS)	Green	Turn On	AV signal is active status.
		Turn Off	AV signal is inactive status.
SDI	Green	Turn On	SDI signal is active status.
		Turn Off	SDI signal is inactive status.
LMR	Green	Turn On	Power source has been connected.
		Turn Off	Power source hasn't been connected.

## § 6. Installation Procedures

- To open the box, then checking the quality, model no. and quantity of the equipments and accessories according to the picking list, if there were any questions, just feel free to contact us or the local distributors
- To check the power supply configuration, if it were DC input, just connects with the correct voltage according to the power supply input requirements. To connect AC/DC Adapter to the alternating current power supply socket.
- Connect SDI signal to SDI IN port by coaxial cable.
- Connect HDMI OUT port and AV OUT port to display device by standard connected cable.
- Connect power adapter, and debug and use.

#### Remark:

1. In using, please must use original configuration power adapter.
2. The quality of cable affect the transmission quality and distance of the signal directly.