ez-SHV+ SDI to HDMI Converter with Display and Scaler

Operation manual



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01 ez-SHV+

(SDI to HDMI Converter with Display and Scaler)

Lumantek's ez-SHV+ is an SDI to HDMI converter with Display and Scaler.

The ez-SHV+ does more than just coverting. Through its 2.7 inch TFT-LCD, it dislays the video input.

The display also shows an eye pattern for video quality monitoring, the resolution of

incoming video and approximate cable length relative to the quality of the video.

Features

1 Inputs & outputs

Input: 1x SD/HD/3G-SDI (BNC 75Ω) 1x SD/HD/3G HDMI (Type A) Output:

1x SD/HD/3G-SDI loop (BNC 75Ω)

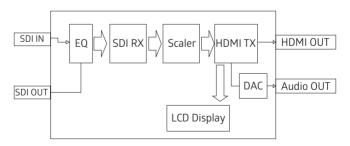
1x Analog audio stereo

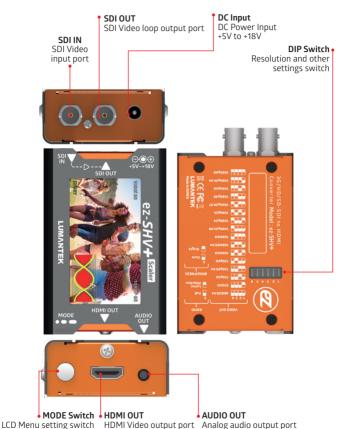
2 Supports SD/HD/3G

3 TFT-LCD Display (2.7 inch)

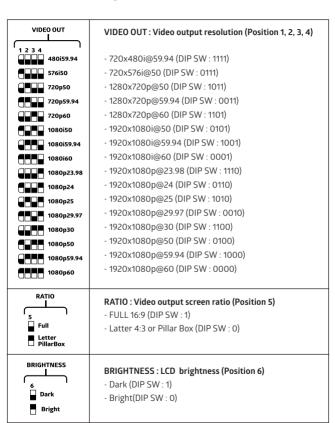
Push switch for mode change

Diagram

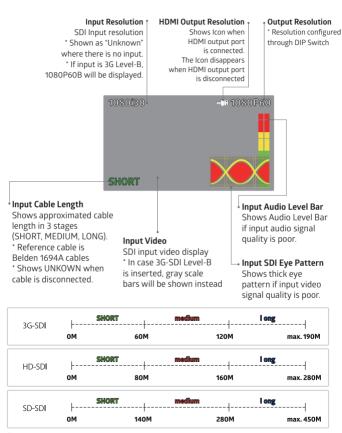




DIP Switch Settings

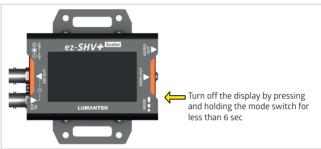


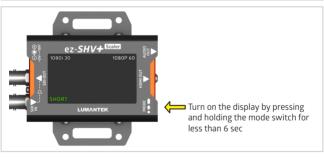
LCD Displays



LCD Displays

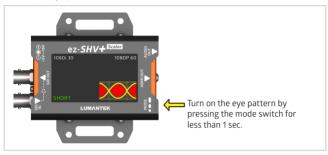
① LCD Display ON/ OFF

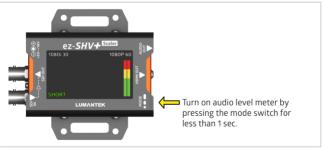




LCD Displays

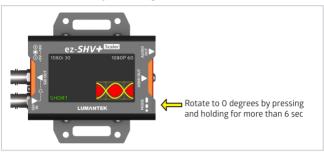
② SDI input eye pattern or audio level meter

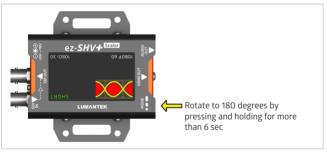




LCD Displays

③ LCD monitor rotation (by 0 or 180 degrees)

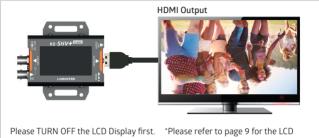




02 Interface

LCD Displays

④ ON/OFF HDMI mirrored output for teleprompter



TURN ON the mirrored output application by pressing the mode switch for more than 6 seconds while the LCD OFF.

Display ON/OFF *Supports only HD resolutions



Please TURN OFF the LCD Display first TURN OFF the mirrored output application by pressing the mode switch for more than 6 seconds while the LCD OFF

- *Please refer to page 9 for the LCD Display ON/OFF
- *Supports only HD resolutions

03. Product Configuration

ez-SHV+



AC to DC adapter



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04. Technical Specifications

Data Input

SDI Video Input : SD/HD/3G-SDI (BNC

75Ω) x1

Video Formats:

- 720x480i@59.94/60
- 720x576i@50
- 1280x720p@50/59.94/60
- 1920x1080i@50/59.94/60
- 1920x1080p@23.94/24/25/29.97/30
- 1920x1080p@50/59.94/60 (3G-SDI Level-B not supported)

Data Output

SDI LOOP Output : SD/HD/3G-SDI (BNC

75Ω) x1

Audio Output : Stereo Jack x1 HDMI Video Output : SD/HD/3G (HDMI Type A) x1

Video Formats :

- 720x480i@59.94 (DIP SW : 1111)

- 720x576i@50 (DIP SW : 0111)- 1280x720p@50 (DIP SW : 1011)

- 1280x720p@59.94 (DIP SW : 0011)

- 1280x720p@60 (DIP SW : 1101)

- 1920x1080i@50 (DIP SW : 0101) - 1920x1080i@59.94 (DIP SW : 1001)

- 1920x1080i@39.94 (DIP SW : 0001)

- 1920x1080p@23.98 (DIP SW: 1110)

- 1920x1080p@24 (DIP SW : 0110)

- 1920x1080p@25 (DIP SW : 1010)

- 1920x1080p@29.97 (DIP SW: 0010)

- 1920x1080p@30 (DIP SW: 1100)

- 1920x1080p@50 (DIP SW: 0100) - 1920x1080p@59.94 (DIP SW: 1000)

- 1920x1080p@60 (DIP SW: 0000)

Connections

Power: DC Power Input (DC Jack) x1 DIP Switch: (6 Pole) x1 Video In/Out Resolution, Video Output Ratio, LCD

Brightness

MODE: (Push Switch) x1 LCD ON/OFF,

Menu Selection

Display

2.7 inch TFT LCD: Input Video Display, Input SDI Eye Pattern,In/Output Video Resolution Display, Input Cable Length, Audio Level Meter

Electrical

Power Input: DC +5V to +18V Power Consumption: 3W(max.) Operation Temperature: 0~45°C

Physical

Dimension : 86.3x57.2x26.6 mm (include

connector)

Weight: 0.3 kg (0.66lbs)

LUMANTEK

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