SC-SDHD01/HDSD01

SD(CVBS) to HD-SDI converter / HD-SDI to SD(CVBS) converter

SC-SDHD01 is an SD to HD-SDI converter that can receive SD Analog (CVBS) video signals and convert it to HD-SDI signals. SC-HDSD01 is an HD-SDI to CVBS converter that can downscale (convert) HD-SDI signals to SD Analog (CVBS). Also, SC-HDSD01 can output 16:9 or 4:3 aspect ratio, and it is possible to extend the HD-SDI signal distance thanks to the built-in Equalizer and Reclocker.

Features

[SC-SDHD01]

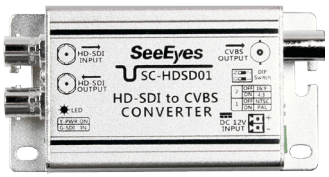
- Upscales SD Analog video signals and output HD-SDI signals
- Supports various output resolutions
  - 1280x720(50p, 60p), 1920x1080(50i, 60i, 25p, 30p, 50p, 60p)
- Hybridization possible by converting general analog cameras to HD-SDI DVR
- 16:9, 4:3 aspect ratio selectable
- Small / lightweight aluminum case
- Built-in surge protection circuit

[SC-HDSD01]

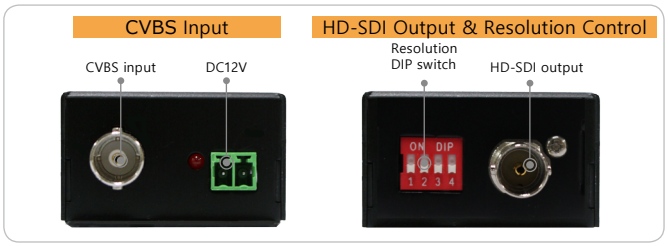
- Downscales HD-SDI signals to SD Analog(CVBS) signals
- SDI repeater supported: various HD-SDI input/output resolutions
- HD-SDI signal distance amplification with built-in equalizer and reclocker
- Able to build HD-SDI system using existing analog matrix system
- Output 16:9 or 4:3 aspect ratio of CVBS video
- Built-in surge protection circuit

[SC-SDHD01]

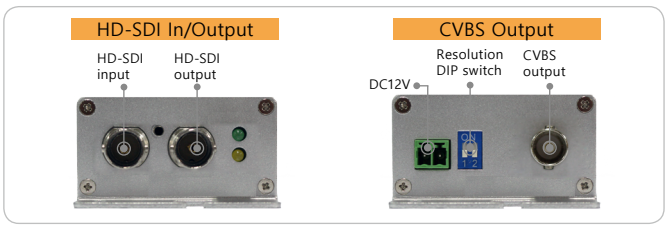
[SC-HDSD01]



SC-SDHD01 Interface



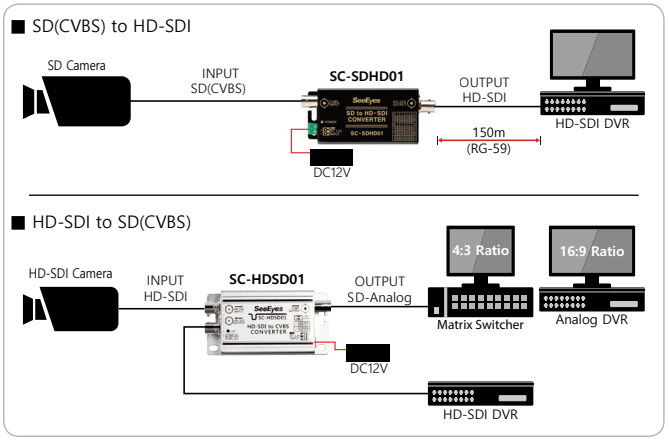
SC-HDSD01 Interface



SC-HDSD01 DIP Switch

Switch	Number 1	Number 2
OFF	NTSC Output	16:9 Ratio
ON	PAL Output	4:3 Ratio

Application Diagram

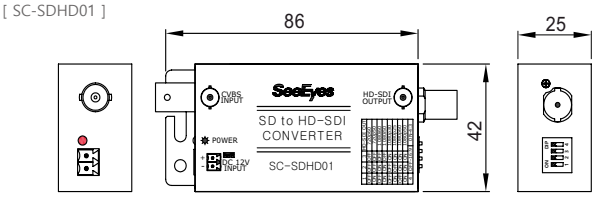


Specification

MODEL			SC-SDHD01 (SD(CVBS) to HD-SDI)
Video	Input	CVBS	75Ω, 1Vp-p/BNC-F
	Output	HD-SDI(1ch)	1920x1080(50i,60i,25p,30p,50p,60p)
Power input			2P Terminal Block, DC 12V 500mA
Power consumption			12V / 140mA
Temperature / Humidity			0°C ~ +50°C / 0 ~ 80%
Case Body / Weight			Aluminium / 100g
Dimensions(mm)			86(W) x 42(H) x 25(D)
MODEL			SC-HDSD01 (HD-SDI to SD(CVBS))
HD-SDI Input Resolution			1920 x 1080 (p24, p35, p29,97, p30, p50, p59.94, p60), 1920 x 1080 (i50, i59.94, i60), 1280 x 720 (p50, p59.94, p60)
CVBS 출력			BNC-F, 75Ω, 1Vp-p, NTSC or PAL
Power consumption			DC12V / 170mA
Power input			DC12V 500mA adapter
Temperature / Humidity			0°C ~ +50°C / 0 ~ 80%
Case Body / Weight			Aluminium / 96g
Dimensions(mm)			97(W) x 50(H) x 27.5(D)

Dimensions

[SC-SDHD01]



[SC-HDSD01]