SC-HDR01E

EX-SDI to HDMI / CVBS Converter

SC-HDR01E is a converter unit that converts EX-SDI signal to HDMI signal and also possible to output various signals such like HDMI, EX-SDI and CVBS for the EX-SDI 1.0/2.0 input signals. This product can be applied to various Application Diagrams such as EX-SDI signal monitoring or external transmission. Especially, when connects to SC-HDT01E, HDMI image could be transmitted for long distance and RS-485 control data could be also transmitted simultaneously by coaxial cable.

Features

· Converting to HDMI/CVBS signal for the input EX-SDI 1.0/2.0 signal
· Support various HDMI output resolution(~1080p60Hz)
  - Output resolution adjustment function (built-in scaler)
· 1 IN / 3 OUT distribution
  (HDMI x 1, SDI Loop Out x 1, CVBS x 1)
· If connect it to SC-HDT01E, HDMI signal could be available to transmit
  Max. 600m for EX-SDI 2.0 by RG-6 cable
· Provides RS-485(Half Duplex) input port : If connect it to SC-HDT01E in
  EX-SDI signal, RS-485 control data could be transmitted simultaneously
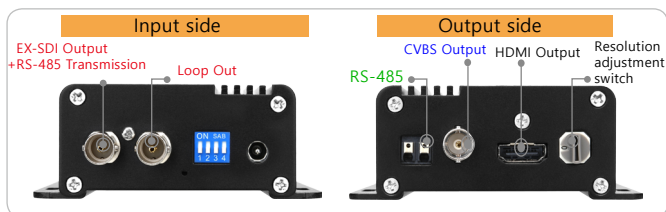 by Coax. cable – UTC function

[SC-HDR01E]
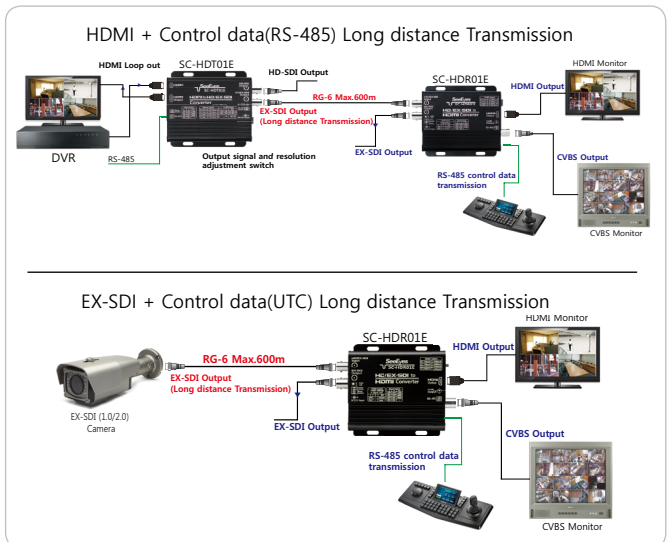
Recommended Configurations

[SC-HDT01E]   [EX-SDI(1.0, 2.0) Camera]

SC-HDR01E In/Out Port

Input side
EX-SDI Output +RS-485 Transmission
Loop Out

Output side
CVBS Output
HDMI Output
Resolution adjustment switch
RS-485

Specifications

MODEL	SC-HDR01E (EX-SDI to HDMI/CVBS Converter)			
Input Signal	Full HD: 1.5G, Full HD: 3G EX-SDI 1.0, EX-SDI 2.0, EX-SDI 3G			
HDMI Output Signal	HDMI 1.3, DVI Compliant			
SDI Output Signal	EX-SDI 1.0, EX-SDI 2.0			
CVBS Output Signal	CVBS, 1Vp-p, NTSC/PAL			
Max. Transmission Distance (RG-6)	200m (Full HD: 1,5G) / 100m (Full HD: 3G) 400m (EX-SDI 1.0 or EX-SDI 2.0 3G) 600m (EX-SDI 2.0)			
HDMI Output Setting (Rotary DIP Switch)	SW NO.	OUTPUT	SW NO.	OUTPUT
	0	1280x720p 60	4	1920x1080p 30
	1	1280x720p 50	5	1920x1080p 25
	2	1920x1080i 60	6	1920x1080p 60
	3	1920x1080i 50	7	1920x1080p 50
Connection PORT	EX-SDI In/Output	BNC-F x 1 (each)		
	HDMI Output	HDMI A Type		
	CVBS Output	BNC-F		
	Power Input	DC Jack		
	RS-485	Terminal Block 1p		
LED	Green	ON : SDI Input		
	Red	ON : Power Input		
Input Power	Over than DC 12V. 0.5A			
Temperature / Humidity	-10℃ ~ +50℃ / 0 ~ 80%			
Case / Weight	Aluminum / 202g			
Dimensions(mm)	93(W) X 92.5(H) X 35(D)			

EX-SDI Supporting Resolution

EX-SDI 1.0	EX-SDI 2.0
1280x720p, 50/60 1920X1080i, 50/60 1920x1080p, 25/30	1280x720p, 50/60 1920X1080i, 50/60 1920x1080p, 25/30 1920x1080p, 50/60

Application Diagram

HDMI + Control data(RS-485) Long distance Transmission

EX-SDI + Control data(UTC) Long distance Transmission

Dimensions