

# 3G/HD-SDI to HDMI/Component Video Converter

ITEM NO.: SDI03



SDI03 is used for up or down scaling of 3G HD-SDI signals to computer graphics video, SD, or HD video signals. It accepts multi-standard SDI, HD-SDI, and 3G HD-SDI input, and gives you the option of selecting the output resolution and aspect ratio, provided via a HDMI or Component Video output selection. Applications including HD CCTV, home theater up-scaling, projection systems in conference rooms, boardrooms, hotels and churches..

## Features:

- 3G/HD/SDI signal convert to component video or HDMI selections.
- Support up/down scaler function.
- Support SDI (SMPTE 259M), HD-SDI (SMPTE 292M), 3G-SDI (SMPTE 424M).
- Video support NTSC, PAL, 720p, 1080i, 1080p.
- Audio Support: HDMI 7.1 Channel, 2 channel analog/digital audio.
- Built in Equalizer to increase the working distance and signal reliability.
- SDI Loop Out with Retiming function to have the best output quality.

## Installation:



## Operation:

1. VIDEO OUT selection by HDMI / YPbPr cable to TV display.
2. VIDEO OUT selection setup by "HDMI/ YPbPr" button.
3. Resolution selection setup by " Resolution" button.
4. HDMI output resolution setup sequence : 720 x 480i60 、 720 x 576i50 、 1280 x 720p50 、 1280 x 720p60 、 1920 x 1080i50 、 1920 x 1080i60 、 1920 x 1080p24 、 1920 x 1080p50 、 1920 x 1080p60
5. YPbPr Output resolution setup sequence : 720 x 480i60 、 720 x 576i50 、 1280 x 720p50 、 1280 x 720p60 、 1920 x 1080i50 、 1920 x 1080i60 、 1920 x 1080p50 、 1920 x 1080p60

## Recommend Cable:

HD video transmission, coaxial cable bandwidth at least support 1.5G. Full HD transmission, coaxial cable bandwidth at least support 3G.

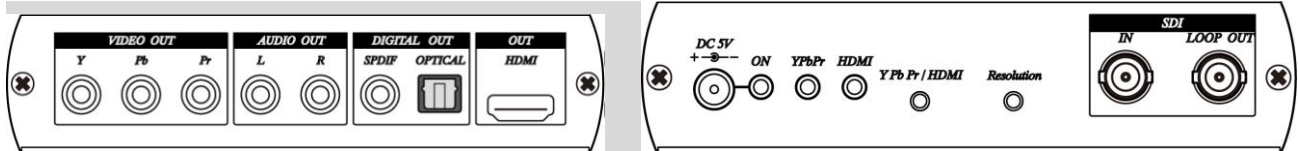
Link cable recommend to use high quality 75Ω coaxial cable and BNC connector, low quality coaxial cable/BNC connector may case signal loss and effect transmission distance and reliability.

**Working Distance:**

Max. distance via high quality 75Ω Coaxial Cable ( Belden 1505A Testing)	
SD resolution 270Mbps (480i,576i)	300M
HD resolution 1.45Gbps (720p, 1080i, 1080p@24/25/30Hz)	200M
Full HD resolution 2.97Gbps (720p, 1080i, 1080p@24/25/30Hz)	100M

**Panel View:**

**SDI03**



**Button Function:**

HDMI / YPbPr      HDMI / YPbPr    Output selection  
 Resolution           Output resolution selection

**LED Indication:**

Green      Power  
 Blue      HDMI output  
 Blue      YPbPr output

**Trouble Shooting:**

If your TV display not support HDMI output “resolution and frequency”, then it won’t have picture at the monitor.

**Specification:**

ITEM NO.	SDI03
SDI Standard/ Protocol	SDI (SMTPE 259M) , HD-SDI (SMTPE 292M) , 3G-SDI (SMTPE 424M)
SDI Input Resolution	NTSC (480i) , PAL (576i) , 720p@50/59.94/60Hz , 1080i@50/59.94/60Hz , 1080p@23.98/24/29.97/30/50/59.94/60Hz
HDMI Output Resolution	NTSC (480i) , PAL (576i) , 720p@50/60Hz , 1080i@50/60Hz , 1080p@24/50/60Hz
YPbPr Output Resolutoin	NTSC (480i) , PAL (576i) , 720p@50/60Hz , 1080i@50/60Hz , 1080p@50/60Hz
Function	Button x 2
SDI Input/Output	BNC x 2 (75 Ω)
YPbPr Output	RCA x 3 ( Y 75Ω 0.7 Vp-p , Pb 75Ω 0.3Vp-p , Pr 75Ω 0.3Vp-p)
Analog Audio Output	RCA x 2 (10K Ω , 1 Vp-p)
Digital Audio Output	Coaxial RCA x 1 (75 Ω) , Optical x 1
HDMI Output	HDMI Type A x 1
Power Consumption	1000 mA ( Max.)
Power Adapter	DC 5V 2A
Temperature	Operation: 0 to 55℃ , Storage: -20 to 85℃ , Humidity: up to 95%
Dimension mm	140x95x32mm
Weight g	320 g

