SDI ⇌ HDMI Cross Converter
User's Manual

Model No :VCF-HS01

Please read this manual carefully before using this product. Please keep this manual for future reference.

As we are always improving our products' functions, so our product technical parameters may be changed without notice.
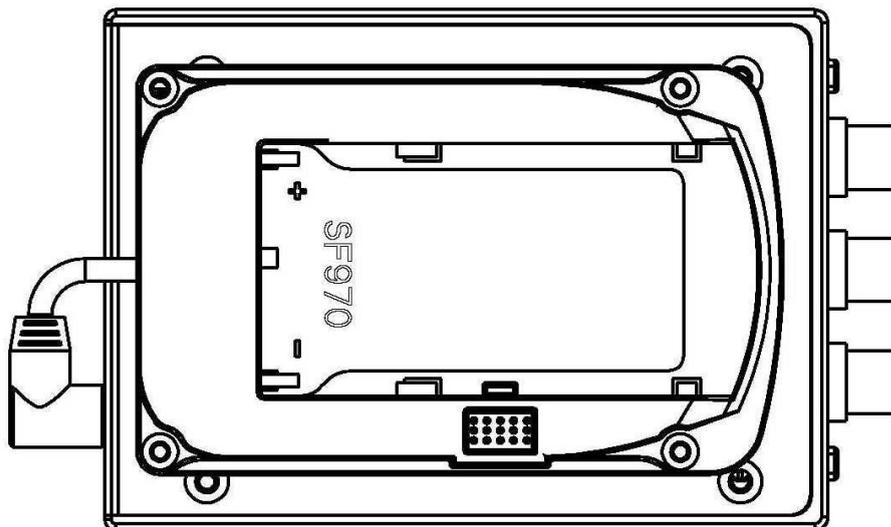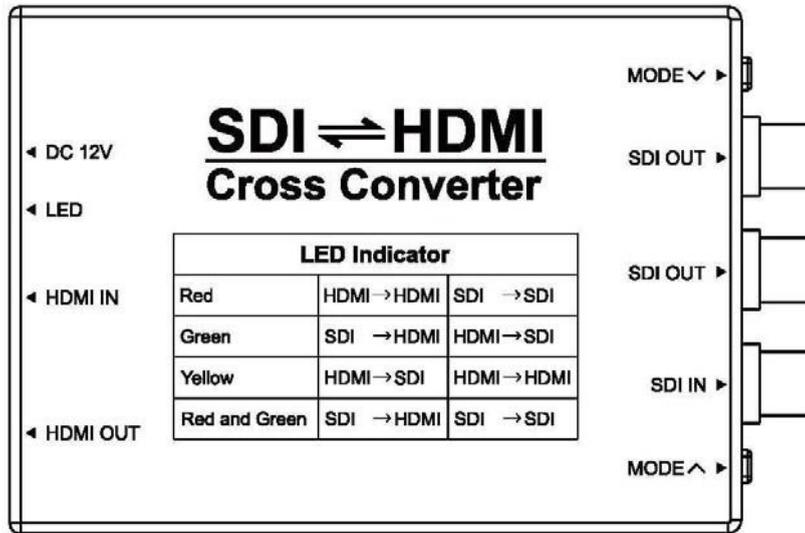
Summary

SDI ⇌ HDMI cross converter is a device that converts high-definition Serial Digital Interface SDI signal to HDMI signal and also converts HDMI signal to high-definition Serial Digital Interface SDI signal. Our device can automatically adapt to SD, HD, 3GB/s video format, which could meet your needs no matter if you need the mutual transformation between SDI signal and HDMI signal, or SDI signal distribution.
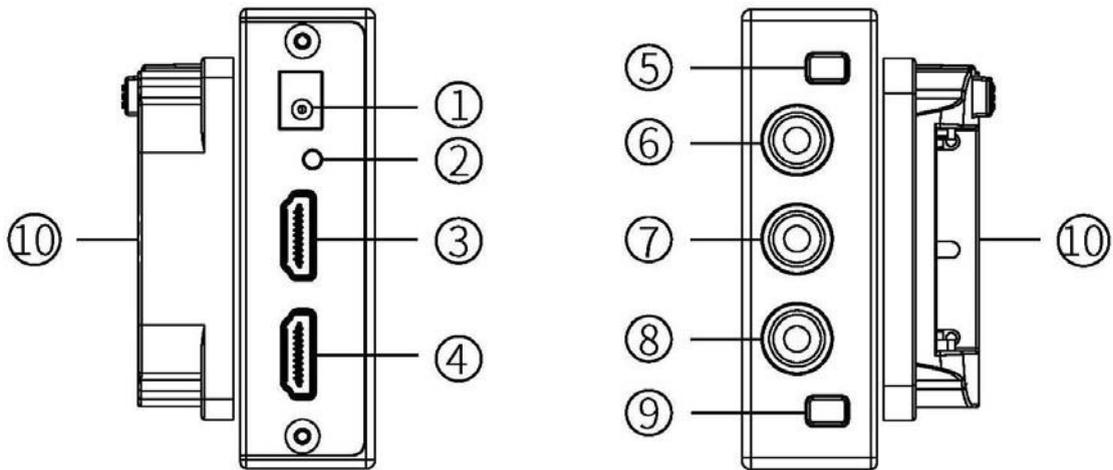
Our device is widely used in video conference system, multimedia signal broadcast, radio and television program production and broadcast, SDI/ HDMI signal extension and video security monitoring field.

Features

- Support 1 X SDI input，2 X SDI output, 1 X HDMI input and output.

- Support SMPTE 424M, SMPTE 292M, SMPTE 259Mstandard.

- SD/HD/3G-SDI signals converse perfectly.

- Adopt the adaptive signal enhancement technology, and

  simultaneously ensure the undistorted reduction

  undistorted compression video signals.

- Support 5V-24V power input.

- Flexible power supply system, adapter power supply or battery

  power supply.

- Portable design and convenient for project use.

- Standard 1/4 mounting screw holes on both sides.

- DC power, signal input, signal output state indicator.

- Die-casting technology of aluminum alloy housing, strong and

  durable.

- To charge by the back battery, convenient to use outside.

Panel and Interface Introduction

DC 12V

LED

HDMI IN

HDMI OUT

SDI ⇌ HDMI
Cross Converter

MODE ∨ ►

SDI OUT ►

SDI OUT ►

SDI IN ►

MODE ∧ ►

LED Indicator		
Red	HDMI→HDMI	SDI →SDI
Green	SDI →HDMI	HDMI→SDI
Yellow	HDMI→SDI	HDMI→HDMI
Red and Green	SDI →HDMI	SDI →SDI

SF970

① DC power input interface.

② Mode status switching LED indicator.

③ HDMI input interface.

④ HDMI output interface.

⑤ MODE ∨ conversion mode switch button. (Switch down circularly)

⑥ SDI output interface.

⑦ SDI output interface.

⑧ SDI input interface.

⑨ MODE ∧ conversion mode switch button. (switch up

　circularly)

⑩ F970 battery plate (When install the battery, insert the DC

　plug on the battery plate into the DC socket of the device to power it).

Switching Mode Introduction

LED Indicator		
Red	HDMI→HDMI	SDI →SDI
Green	SDI →HDMI	HDMI→SDI
Yellow	HDMI→SDI	HDMI→HDMI
Red and Green	SDI →HDMI	SDI →SDI

Press MODE button (The two MODE buttons are with same function, MODE ∨ is to switch down circularly, MODE ∧ is to switch up circularly) to switch the signal conversion mode,

the LED status indicator will change colors correspondingly.

1. Indicator Red:

   To convert HDMI input to HDMI output; SDI

   input to SDI X 2 output.

2. Indicator Green:

   To convert SDI to HDMI output;

   convert HDMI to SDI X2 output.

   Signal conventions between SDI and HDMI are synchronous and no
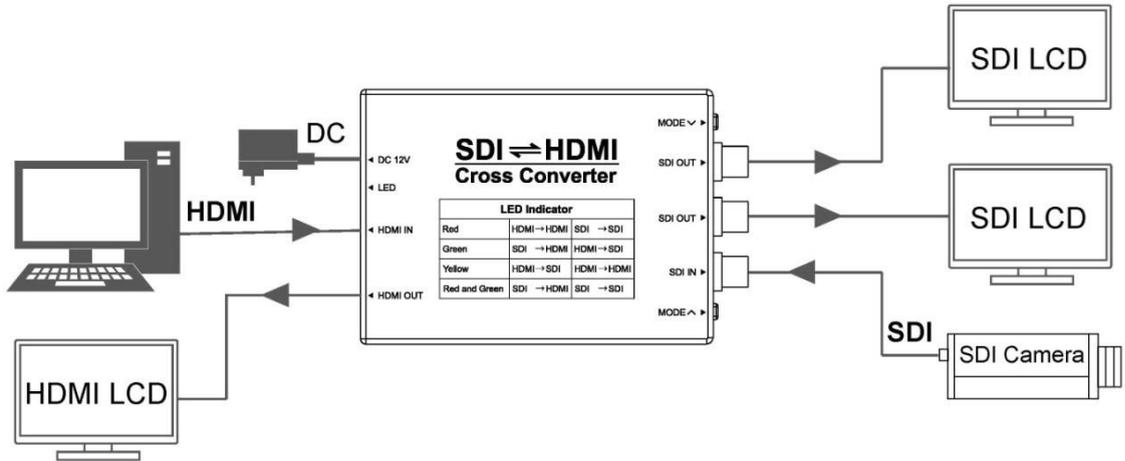
   interference.

3. Indicator Yellow:

   To convert HDMI input to HDMI output;

   convert HDMI to SDI X 2 output.

4. Indicator Flashes between Red and Green: To

   convert SDI input to SDI X 2 output; convert SDI to

   HDMI output.

System Connection Diagram

Support Format

SDI Support Format	3G-SDI:1080P(60/59.94/50)
	HD-SDI:1080P(30/29.97/25/24) 1080I(60/59.94/50) 1080PsF24 720P(60/59.94/50/30/25/24)
	SD-SDI:576I(50),480I(60)
HDMI Support Format	1080P(60/59.94/50/30/29.97/25/24)
	1080I(60/59.94/50)
	1080PsF24
	720P(60/59.94/50/30/25/24)
	576I(50),480I(60)

Product Specification

Input	3G/HD/SD-SDI × 1, HDMI× 1
Output	3G/HD/SD-SDI × 2, HDMI× 1
Power Consumption	≤4.2W
Input Voltage	DC 5V～24V
Connector	DC 12V
Battery Plate	F970 (Standard); D28S, E6 (Optional)
Unit Size	108.5L×78.8H×23D (mm)
Unit Weight	230g/ 260g (With F970 Plate)
Working Temperature	-20℃～60℃
Storage Temperature	-30℃～70℃
Installation Way	1/4"-20 screw threads on both sides

Safety Caution

Please observe the following cautions during the process of installing, to ensure the reliable performance of the equipment and the safety of the user.

■ Please do not use this product in a dust, soot, electric

conductivity dust, corrosive gas, combustible gas, high temperature, wind and rain, condensation, shock and other occasions.

■ Please avoid wiring and inserting cable plug in

charged state, otherwise it is easy to damage the device.

■ The installation of wiring and inserting cable plug

should be strong and reliable, poor connect may lead to the false action of the device.

■ When use the back battery to supply the power,

please notice whether it is under normal power supply, or it might cause the abnormal work for equipment due to the low voltage.