

## LM-PYS01 HD video YPbPr to SDI converter



**Model No.: LM-PYS01**

### **Product Introduction:**

LM-PYS01 HD video converter, support YPbPr signal input and 3G / HD / SD SDI signal output. This device integration YPbPr receivers and 3G / HD / SD-SDI encoder, convert YPbPr signal to 3G / HD / SD-SDI signals .Simultaneously, LM-PYS01 supports external analog stereo audio signal embedded in the SDI signal. In addition, LM-PYS01 also support the "frequency-conversion" function, YPbPr signals can be input "convert" to SDI signal output fixed resolution and converter SD 480I / 576I "up converting" to HD SDI. You can also "transform under" HD 1080P / 720P / 1080I to SD SDI output, optional trim or extra time "down converted" black edges. Resolution through digital coding switch to select, easy to operate.

### **Features:**

1. Standard YPbPr signal input
2. Optional 3G / HD / SD SDI signal output
3. Optional 1080P / 1080I / 720P / 480I / 576I common resolution
4. Optional 1080PSF / 720P 30/25/24 special resolution
5. Optional "down converted" trim or add black borders
6. YPbPr input signal adaptively
7. Support external analog stereo audio signals embedded in SDI signal
8. SDI output can be set as "frequency-conversion"
9. SDI output can be set as "fixed frequency"
10. Special features can be customized

### Panel Description:



- ① DIP switch
- ② YPbPr input port
- ③ Audio input port

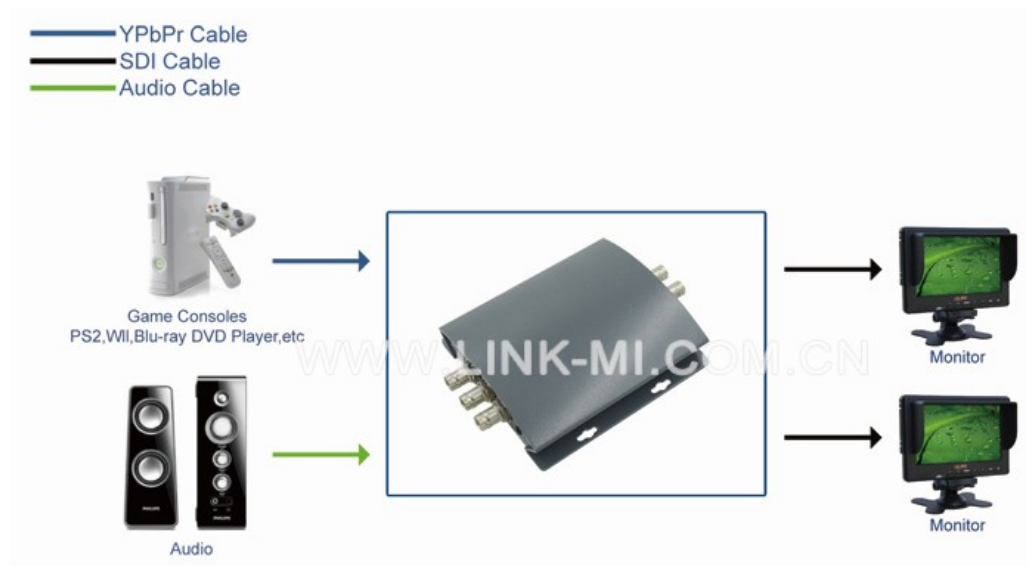


- ④ DC 5V-12V
- ⑤ SDI output port
- ⑥ LED Instruction ( P: Power L:SD M: HD H: 3G)

### Connect and Operating:

1. Connect the cable of all the ports correctly.
2. Adjust the device on a suitable resolution, connect the power.

**Connect Diagram:**



**DIP Switch Setting:**



Coding	Resolution
0	1080i @50HZ
1	1080P @60HZ
2	1080P @50HZ
3	1080i @60HZ
4	1080P @30HZ
5	1080Pi @25HZ
6	1080P @24HZ
7	720P @60HZ

8	720P @50HZ
9	720P @30HZ
A	720P @25HZ
B	576i @50HZ
C	480i @60HZ
D	576i @50HZ Cut
E	576i @50HZ Black
F	Reserved

### Specifications

Name	HD video YPbPr to SDI converter	
Model No.	LM-PYS01	
YPbPr Input	Signal	YPbPr Standard
	Connector	BNC
	SMPTE	27M
	Signal Amplitude	800mv $\pm$ 10% ( 75 $\Omega$ )
	Impedance	75 $\Omega$
Analog Audio Input	Output Signal	Analog Stereo Audio
	Impedance	16 $\Omega$
	Connector	Earphones
SDI Output	Output Signal	SDI Signal
	Connector	BNC (IEC169-8 Standard)
	Signal Amplitude	800mv $\pm$ 10% ( 75 $\Omega$ )
	Impedance	175 $\Omega$
General Parameters	Power Supply	DC 5-12V
	Power	<2W
	Dimension(L*W*H)	141*102*30 mm
	Control	DIP Switch
	Net Weight	0.3kg
	Operating Temperature Range	0-50 $^{\circ}$ C
	Storage Temperature Range	-20 to 75 $^{\circ}$ C
	Operating Humidity Range	20-70%RH
Storage Humidity Range	0-90%RH	

### Packing Contents:

1. Main Unit. HD video YPbPr to SDI converter
2. DC 5V Power Supply
3. 1pcs Manual