

# Video to RGB/Sync Converter

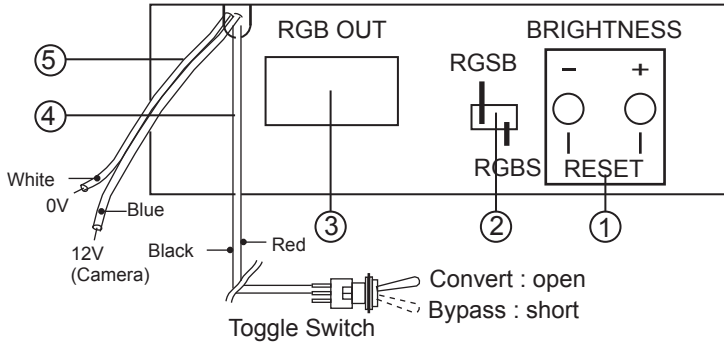
Operation Manual

## Features:

1. Digital decoding and encoding ensures best conversion quality.
2. Converts NTSC/PAL /SECAM composite video to RGB/Sync or RGSB(Sync on Green).
3. Input system auto detecting.
4. RGSB input loop through.
5. Sync polarity switchable between positive and negative.
6. Output brightness adjustable.

## Operation Controls and Functions:

### Front Panel



- 1. + and - Buttons:** Use these two buttons to increase or decrease the brightness.

**Reset:** Simultaneously depressing the + and - buttons return brightness to factory default.

- 2. RGSB/RGSB Switch:** To select between RGSB(sync on Green)or RGSBs.

- 3. 9-Pin D Females connector:**

RGB out: DB9 Pin configuration  
Gray: PIN 1 — GND  
Brown: PIN 2 — Sync of source 1  
Red: PIN 3 — RED out  
Yellow: PIN 4 — RED in from source 1  
Green: PIN 5 — Green in from source 1  
Blue: PIN 6 — Green out  
Purple: PIN 7 — Blue out  
Orange: PIN 8 — Blue in from source 1  
Black: PIN 9 — Sync out  
Source 1: Loop-through RGB/S input.  
Source 2: Video input.

- 4. Toggle switch to switch between convert and RGB bypass.**

### JP2

Output	Select
Open	Convert
Short	Bypass

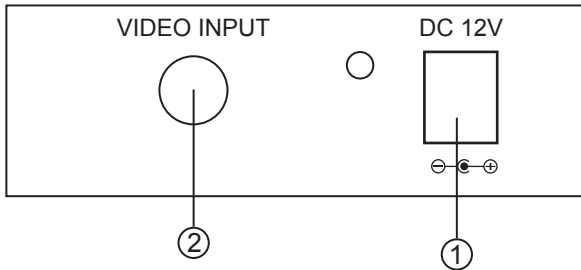
## 5. Control wires(12V Camera/GND)

When the control wire is connected to 12 Volt, it forces the unit to go into convert mode. When the control wire has no voltage apply to it, the toggle switch will dictate the convert/bypass mode.

T.Switch \ C.wire	Output	
	12V	0V
Convert	V in	V in
Bypass	V in	RGB Bypass

## Operation Controls and Functions:

### Rear Panel



#### 1. DC power supply input:

DC 12V center positive.

#### 2. Video Input.

## Specifications:

### Input:

Video input: 1 Vp-p 75 ohm RCA jack x 1

RGBs input: Pass through

### Output:

RGB: 0.7 Vp-p 75 ohm 9-pin D Females connector.

Sync: 3 Vp-p positive or Negative polarity

**Power Supply:** DC 12V center positive

**Dimensions:** 94mm(D)x77mm(W)x30(H)mm

**Accessory:** One set of D-Sub 9-pin RGB bare wire  
and One set of 2-wire power cable.

**Weight:** 0.4 Kgs

