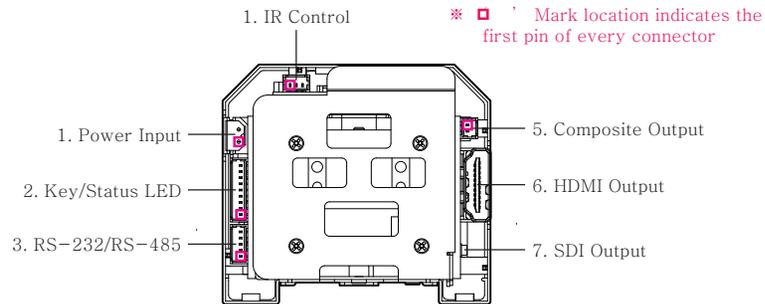


## In/Out Interface



### 1. J1-Power Input (WAFER-5268[2P])

Pin NO	1	2
Function	12v	GND

### 2. J2-Key In/Out (SD-53048-0910[9P])

Pin NO	1	2	3	4	5	6	7	8	9
Function	Key-scan0	Key-scan1	Key-scan2	Key-DATA0	Key-DATA1	Key-DATA2	Key-CON	3.3v	GND

### 3. J4-RS232/RS-485 (SD-53048-0510[5P])

Pin NO	1	2	3	4	5
Function	RS232-RX	RS232-TX	GND	RS-485 TRX-	RS-485 TRX+

### 4. J3-REMOCON (SD-53048-0310[3P])

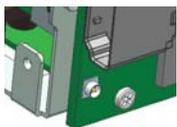
Pin NO	1	2	3
Function	3.3v	GND	Remocon-IN

### 5. J23-Composite TV Out(SD-53048-0210[2P])

Pin NO	1	2
Function	Composite	GND

### 6. J17-HDMI OUT (A type-HDMI 1.3)

### 7. J21-SDI\_Out(U-FL-R-SMT(10) : Hirose)



# Marshall Electronics

## V-C310B-HDSDI User Manual



## Features

- . Optical 10X zoom installed (4.5-45mm)
- . A variety of resolutions supported (1920X1080 30P/60i, 1280X720 60p)
- . HD-SDI SMPTE 292M standard
- . Video transmission up to 100M (5C-HFBT coaxial cable)
- . Data control by RS-232
- . Easy coaxial cable installation

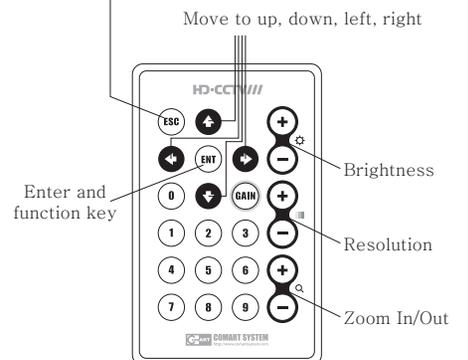
## Caution

- . Power: 12V DC 1A  
Marshall V-PS12-1000 or equivalent
- . Do not disassemble
- . Camera lens needs to be protected from impact
- . If problems are found, please contact Marshall Electronics Technical Support for assistance

## Remote Control

- . Distance : 10M
- . When RC is on : LED will blink

Cancel setup value and  
Exit setup mode



## Specifications

Model	V-C310B-HDSDI
Image Sensor	1/2.5" Primary Color CMOS
Effective pixels	Aspect 16:9 Approximately 2.07M pixels
Lens	1/3.6" , f=4.5-45.0mm, F1.8-2.2
Zoom	Optical 10X
Minimum Lux.	6Lux (F1.8/50IRE/TV=1/30sec, 1920x1080 movie)
Video Signal	1920x1080 30p / 1280x720 60p / 1280x720 30p
Minimum Object Distance	Wide limit : 1cm / Tele limit : 100cm
Focus	Auto / Manual
Auto Slow Shutter	0.35Lux (Slow Shutter ON)
Other Functions	BLC / AWB / Noise Reduction / Flicker Reduction / Image Stabilizer / Mirror (Vertical-Horizontal)
Video Output (Signal from V-C210B-HDSDI -> Output Resolution)	1920x1080 30p → 1920x1080 30p / 60i
	1921x1080 25p → 1920x1080 25p / 50i
	(Available at V-C210B-HDSDI supporting 1080 25p)
	1280x720 60p → 1280x720 60p
	1281x720 50p → 1280x720 50p
OSD	(Available at V-C210B-HDSDI supporting 720 50p)
	1280x720 30p → 1280x720 30p
OSD	Yes (16 Colors) / OSD Menu / OSD Caption / Font Size: 16x24, 24x 40 / 95 ASCII Characters available
Operating Temp.	0°C ~ 60°C
Operating Humidity	20 to 80%
Power Source	DC 12V (Voltage Tolerance : 8V~15V)
Control	IR / IR232 / RS485 / Key
Output Interface	SDI, Composite, S-Video, HDMI
Power Consumption	4.2W @12V
Weight	250±10g
Dimensions	54.5mm(W) x 64.0mm(L) x 48.7mm(H)

## Accessories



Power Cable



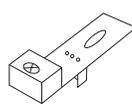
Composite Cable



HD-SDI Cable



IR Sensor Cable



IR Sensor



RS-232 Cable



DC 12V Adapter



Remote Control

## Dimensions

