CV365-CGB

Compact Genlock 3G-SDI/HD-SDI/HDMI Camera
(1080p59.94/50/60, 1080i59.94/50/60, 720p59.94/50/60)

PRECAUTIONS

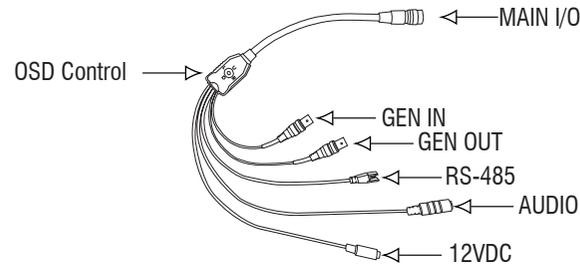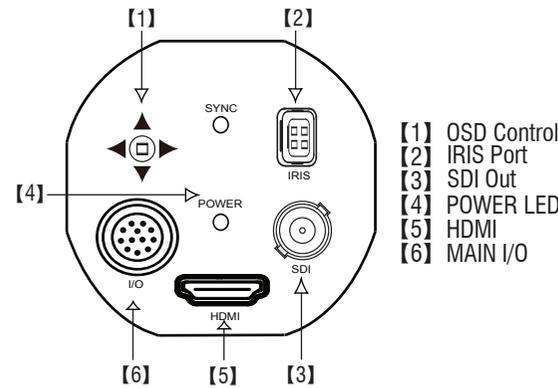| ⚠ WARNING	Do not use the camera if fumes, smoke or a strange odor is emitted from the unit, or if it seems to not function correctly. Disconnect the power source immediately and consult your supplier.
⚠ CAUTION	Always follow the instructions in the installation guide when applying power. Fire and equipment damage can occur if power is applied incorrectly. For the correct power supply, refer to the specification sheet.
⚠ CAUTION	Do not install or operate in small, unventilated areas. Heat build up can significantly reduce the performance and operating life of the product and may cause a fire.
⚠ CAUTION	To prevent damage, do not drop the camera or subject it to strong shock or vibration.
⚠ CAUTION	If installed close to a TV, radio transmitter, magnet, electric motor transformer or audio speakers the magnetic field generated may interfere with or distort the image.
⚠ CAUTION	Whether or not the camera is used outdoors, never point it toward the sun. Use caution when operating the camera in the vicinity of spot lights or other bright lights and light reflecting objects.
⚠ CAUTION	Do not use the camera in extreme environments where high temperatures or high humidity exists. Use the camera under conditions where temperatures are between 14°F ~ 122°F (-10°C ~ 50°C), and humidity is below 90%.

REGULATORY NOTICE

This device complies with part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

FEATURES

1/3" 2.1 Megapixel CMOS Progressive Scan Sensor
SDI (BNC): SMPTE 292M, SMPTE424M
HDMI 1.3 compliant (Embedded Audio)
Tri-level Sync Genlock
Audio Input (Embedded over SDI & HDMI)
0.2Lux (Day Color), 0.1Lux (Night B/W), 0.005Lux (DSS On)
Optical Multi Coated ICR Filter
3D-DNR, Digital Image Stabilizer, Flicker-less, Defog
WDR / BLC, High Light Compensation
Full OSD control & RS-485
12VDC

REAR PANEL & CABLE CONNECTIONS

[1] OSD Control
[2] IRIS Port
[3] SDI Out
[4] POWER LED
[5] HDMI
[6] MAIN I/O

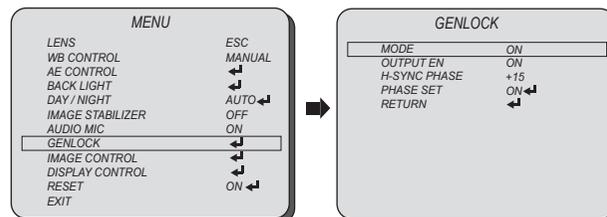OSD Control — MAIN I/O
GEN IN
GEN OUT
RS-485
AUDIO
12VDC

Genlock Reference Connection: Single Camera

1. Go to OSD Control and select GENLOCK>MODE as ON.
2. Connect Tri-Level reference signal into GEN IN.
3. CV365 Camera will reboot.
4. The frame rate and timing will be automatically synchronized with Tri-Level input signal.

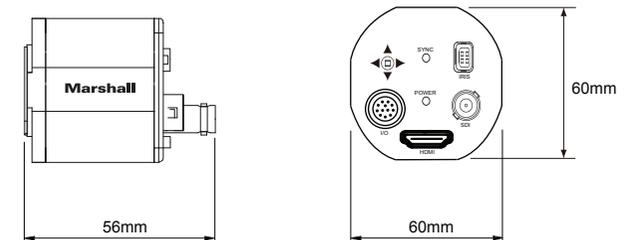## Genlock Reference Connection: Multiple Camera

1. Go to OSD Control of the first camera and select GENLOCK>MODE as ON and OUTPUT EN as ON.
2. Connect Tri-Level reference signal from GEN OUT of the first camera into GEN IN of the second camera.
3. The second camera will reboot.
4. The frame rate and timing of the second camera will be automatically synchronized with the Tri-Level signal of the first camera.

```
          MENU
LENS                  ESC
WB CONTROL            MANUAL
AE CONTROL            ↵
BACK LIGHT            ↵
DAY / NIGHT           AUTO ↵
IMAGE STABILIZER      OFF
AUDIO MIC             ON
GENLOCK               ↵
IMAGE CONTROL         ↵
DISPLAY CONTROL       ↵
RESET                 ON ↵
EXIT
```

```
          GENLOCK
MODE              ON
OUTPUT EN         ON
H-SYNC PHASE      +15
PHASE SET         ON ↵
RETURN            ↵
```

SPECIFICATIONS

CV365-CGB		SPECIFICATIONS
Sensor	Image Sensor	1/3" Progressive CMOS (Approx. 2.1 mega)
	Scanning System	16:9 Progressive
	Sync. System	Internal
	Effective Pixel	1920(H) x 1080(V)
	Min. Illumination	0.2Lux (Day), 0.1Lux (Night), 0.005Lux (DSS on)
	Horizontal Resolution	1,000TVL
Optics	Lens	C/CS Mount, DC-IRIS
Functions	Back Light Compensation	WDR/BLC
		HLC (High Light compensation)
	Exposure	Auto / Manual
	White Balance	Auto (3,000°K~8,000°K)
		ATW (1,900°K~11,000°K)
		Manual
	Day & Night System	AGC / TDN (ICR)
	Electronic Shutter	NTSC: 1/30~1/30000
		PAL: 1/25~1/30000
		DSS (~X64)
	Functions	Privacy Mask, Image Mirror, 3DNR, Flickerless
		Sharpness, Defog, DIS (Digital Image Stabilizer)
		Motion Detection, DSS (Digital Shutter Speed)
Video Output	SDI (BNC)	SMPTE 292M (1.485Gbps)
		1080p@25/30 or 29.97
		1080i@50/60 or 59.94
		720p@50/60 or 59.94
		720p@25/30
		SMPTE 424M (2.97Gbps)
		1080p@50/60 or 59.94
		800mVp-p, 75Ω, Unbalanced Generator (Single-Ended)
	HDMI (HDMI Type A)	HDMI 1.3 compliant (Embedded Audio)
		1920x1080p@50/60 or 59.94
		1920x1080i@50/60 or 59.94
		1920x1080p@25/30 or 29.97
		1280x720p@50/60 or 59.94
		1280x720p@25/30
Audio Input	MIC Input	Mic Level (1Vrms). 2.5V Mic bias
		Bit Depth: 16,20,24,32Bits. 48KHz sample rates
		Gain : -12dB ~ 59.5dB
Genlock	Sync Reference In	Tri-Level
	Sync Reference Loop Out	Tri-Level
Control	RS-485	PELCO-P/D, SONY-VISCA Protocol
		8Bits Data, 1Stop Bit, No Parity, 2400~115200bps
General	Operation Temperature	-10℃ ~ 50℃
	Power Input	12VDC (7VDC to 15VDC)
	Power consumption	Max 6W
	Dimensions (W X H X D)	60 X 60 X 56mm / 2.36 X 2.36 X 2.20Inches
	Net Weight	Approx. 180g/0.39Lbs (Without Lens & I/O Cable)

DIMENSIONS

Design and Specifications are subject to change without notice