

CV565-MGB

2.5MP 3G/HD-SDI/HDSDI/HDMI Miniature GENLOCK Camera
(1080p59.94/50/60, 1080i59.94/50/60, 720p59.94/50/60)



PRECAUTIONS



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.



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



Do not install or operate in small, unventilated areas. Heat build up



To prevent damage, do not drop the camera or subject it to strong shock or vibration.



If installed close to a TV, radio transmitter, magnet, electric motor interfere with or distort the image.



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



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

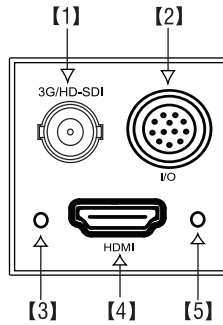
3D-DNR, Digital Image Stabilizer, Flicker-less, Defog

WDR / BLC, High Light Compensation

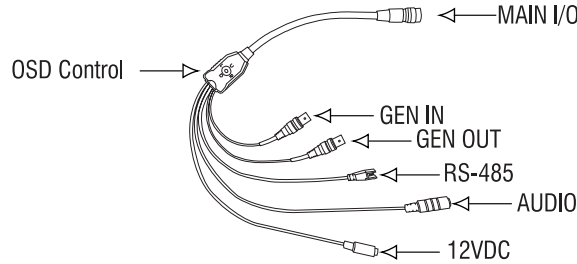
Full OSD control & RS-485

12VDC

REAR PANEL & CABLE CONNECTIONS



- [1] SDI Out
- [2] MAIN I/O
- [3] POWER LED
- [4] HDMI
- [5] SYNC LED

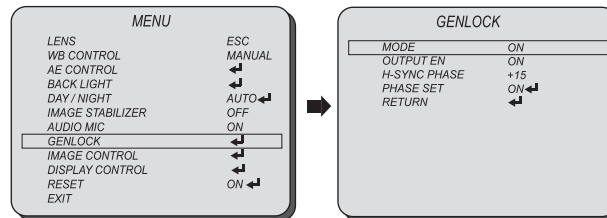


Genlock Reference Connection: Single Camera

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

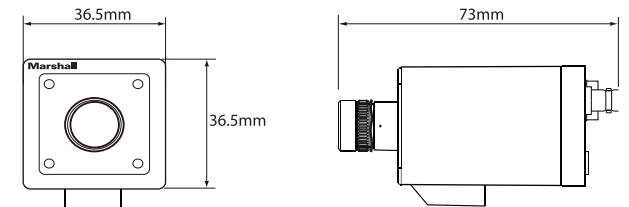
1. Go to OSD Control of the first camera and select GENLOCK>MODE as ON and OUTPUT EN as ON.
2. Connect Tri-Level reference signal from GEN OUT of the first camera into GEN IN of the second camera.
3. The second camera will reboot.
4. The frame rate and timing of the second camera will be automatically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



SPECIFICATIONS

| CV565 | 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 | Fixed HD lens |
| 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 | 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 | LINE level Input | LINE level Input (1Vrms), 2.5V 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°C ~ 50°C |
| | Power Input | 12VDC (7VDC to 15VDC) |
| | Power consumption | Max 6W |
| | Dimensions (W X H X D) | 36.5 X 36.5 X 73mm / 1.43 X 1.43 X 2.87" (With Lens) |
| | Net Weight | Approx. 170g/0.37Lbs (With Lens & Without I/O Cable) |

DIMENSIONS



Design and Specifications are subject to change without notice