

# CV226 Quick Start Guide

Lipstick HD Camera with 3GSDI

www.marshall-usa.com



## Precautions



Do not use the camera if fumes, smoke, or strange odor is emitted from the unit, or if it does 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 specification sheet.



Do not install or operate in small, unventilated areas. Heat buildup can significantly reduce the performance and operating life of the product and may cause a fire.



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, electronic transformer or audio speakers the magnetic field generated may 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 lights or other bright lights and light reflecting objects.



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,
- (2) This device must accept any interference received, including interference that may cause undesired operation.

## Features

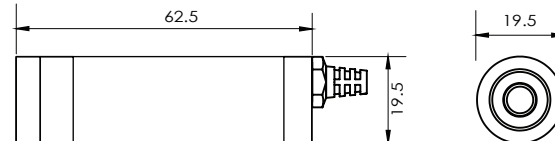
- Full-sized 3G/HDSDI (BNC) output
- 2.5 Megapixel (1/2.86") sensor (4:2:2 color)
- 10-foot (3 meter) breakout cable with BNC (3GSDI), RS485 remote adjust, and locking 12V power
- Interchangeable M12 lens with IP67 cap includes stock 3.6mm lens (72°H. AOV)
- IP67-rated weatherproof housing; submerge in water up to 10-feet for several hours
- Full-HD resolutions: 1920 x 1080p, 1920 x 1080i and 1280 x 720p
- Frame rates: 60, 59.94, 50, 30, 29.97, 25, 24, 23.98 fps
- Remote adjustable through RS485 (Visca) or OSD menu joystick
- CV-RCP-V2 Touchscreen RCP compatible and free Camera Control Software option
- Wide range of picture adjustment settings including white balance, color, gain control, pedestal (blacks), white clip, exposure, gamma, and more

## Connectors



## CV226 Dimensions

### DIMENSIONS



Design and specifications are subject to change without notice.

## CV226 Specifications

|                   |                         |                                                                                                                                     |
|-------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Sensor            | Image Sensor            | 1/2.86" Progressive CMOS (Approx. 2.4 Mega)                                                                                         |
|                   | Scanning System         | 16:9 Progressive                                                                                                                    |
|                   | Sync. System            | Internal                                                                                                                            |
|                   | Effective Pixel         | 1944(H) x 1212 (V)                                                                                                                  |
|                   | Min. Illumination       | 0.2Lux(Day), 0.1Lux(Night), 0.005Lux(DSS on)                                                                                        |
|                   | Horizontal Resolution   | 1000TVL                                                                                                                             |
| Optics            | Lens                    | M12 3.6mm                                                                                                                           |
| Functions         | Back Light Compensation | WDR, BLC, Spot                                                                                                                      |
|                   | Exposure                | Auto / Manual Shutter / Flickerless                                                                                                 |
|                   | White Balance           | Auto / ATW / Manual / Push                                                                                                          |
|                   | Electronic Shutter      | 1/1 ~ 1/30000                                                                                                                       |
| Video Outputs     | Functions               | Privacy Mask, Image Mirror/ Flip, DNR, D-Zoom, Defog, DIS (Digital Image Stabilizer)                                                |
|                   | SDI                     | SMPTE 292M (1.485Gbps): 1920x1080p @25, 29.97, 30 fps / 1920x1080i @50, 59.94, 60 fps / 1280x720p @25, 29.97, 30, 50, 59.94, 60 fps |
|                   |                         | SMPTE 424M(2.97Gbps): 1920x1080p @ 50, 59.94, 60 fps                                                                                |
| Control Interface | RS485                   | 800mVp-p, 75Ω, unbalanced generator (single-ended)                                                                                  |
|                   |                         | Sony VISCA protocol<br>8 bits data, 1 stop bit, no parity, 2400 ~ 115200 bps                                                        |
| General           | Operation Temperature   | -10 C ~ 50 C                                                                                                                        |
|                   | Power Input             | 12VDC (7VDC to 15VDC)                                                                                                               |
|                   | Power Consumption       | Max 6W                                                                                                                              |