

# COR-598V

## OUTDOOR INFRARED BULLET w/ SONY CCD & VARIFOCAL LENS

### Outdoor Color Security Camera with Infrared

Our COR-598V outdoor bullet camera has a Sony color CCD video sensor, digital signal processing, and internal radiant infrared array and a varifocal lens. It has an all metal housing and is designed for quick placement and easy adjustability.



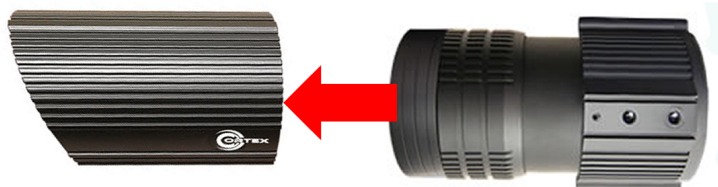
#### Radiant Infrared Subsystem



The radiant infrared array is under automatic photosensor control. When available light reaches a factory preset threshold, the photosensor switches the camera into infrared mode.

The inner surface of the optically clear front glass panel has an integrated opaque ring to prevent infrared light contamination during IR mode. This prevents hazing and image degradation when the infrared LEDs are ON.

#### Removable Sun / Light Shield



Slide the sun / light shield back and forth or completely remove it.

#### Easy-to-Access Varifocal Adjustment Rings



The varifocal lens has the normal manual adjustments for focus that you would find on any varifocal lens. To make adjustments, unscrew the knurled barrel cover and slide back, as shown in figure 1. This will expose the internal adjustment rings, as shown in figure 2. Adjust the lens using the inner knurled rings.

This weatherproof indoor/outdoor color surveillance camera has a varifocal lens and an array of 42 infrared LEDs. Varifocal lens adjustment can be performed with the camera in place and aimed at a target, making final setup easy. Infrared operation is enhanced through the use of an integrated lens separator that eliminates "haze" created by stray infrared light, and a mechanical IR filter. The filter activates/deactivates as necessary to cut down on focus shift when the camera switches from daylight mode to infrared mode. All metal case, removable sun/light shield and metal bracket. Attached DC power/video cable.

#### General Specifications

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|---|
| Video Sensor: 1/4" Sony CCD w/DSP                                 |
| # of Pixels: NTSC - 512(h) x 492(v) PAL- 512(h) x 582(v)          |
| Very Horizontal Resolution: 420TV lines                           |
| Light level Sensitivity: 0.0 LUX with IR on                       |
| IR LED Array: 42 Units Operating at 850nm Wavelength              |
| IR filter: Improves focus when switching between day & night mode |
| Scanning System: 2:1 Interlace                                    |
| Video Signal Synchronization: Internal                            |
| Video Signal Level: 1Vp-p, 75 Ohm impedance                       |
| Signal to Noise Ratio: >48dB (AGC off)                            |
| Wide Dynamic Range: 52dB (x128)                                   |
| Gamma Correction: 0.45  |
| Auto Gain Control   |
| Auto White Balance  |
| Auto-Electronic Shutter: Auto 1/60 to 1/100,000 sec.              |
| Power: 12VDC @ 600mA with IR on (nomnal)                          |

#### Optical Specifications

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| Lens: 3.5-8 manual varifocal                                 |
| Material: optical quality glass with anti-reflection coating |

#### Environmental Specifications

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|--|
| Operating Temperature: -5 degrees to +50 degrees (C)<br>23 degrees to +122 degrees (F) |
| Storage Temperature: -30 degrees to +60 degrees (C)<br>-22 degrees to +140 degrees (F) |
| Waterproof Rating: IP68 - superior weather resistance                                  |

#### Physical Specifications

|   |
|---|
| Dimensions: Camera Body, length - 13.40cm 5.28 inches<br>Camera Body, width - 7.20cm 2.83 inches<br>Sunshield, top, length - 5.88cm 6.25 inches<br>sunshield, width - 3.50cm 3.50 |
| Weight: Camera w/o bracket - 0.27 kg 0.6lbs   |

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