



ECL-598V

Outdoor Color Security Camera with Infrared

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



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 iris and 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 outer rings. The ring in the middle is a spacer and does not turn.

Radiant Infrared Subsystem



Infrared LEDs (42 total)
Lens separator
Photosensor control

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 a surface mount opaque ring to prevent infrared light contamination during IR mode. This prevents hazing and image degradation when the infrared LEDs are activated.



General Specifications

Video Sensor: 1/4" Sony Infrared Sensitive CCD		
# of Pixels:	NTSC - 512(h) x 492(v)	PAL - 512(h) x 582(v)
Horizontal Resolution: >420 TV lines		
Scanning System: 2:1 Interlace		
Light Level Sensitivity: 0.0 Lux w/IR on		
Video Signal Synchronization: Internal		
Video Signal Level: 1Vp-p, 75 Ohm impedance		
IR LED Array: 42 Units operating at 850nm wavelength		
Signal to Noise Ratio: >48dB		
Auto-White Balance		
Auto-Gain Control		
Electronic Shutter: Auto, 1/60 up to 1/100,000 sec.		
Power: 12VDC @ 600mA with IR on (nominal)		

Optical Specifications

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

Environmental Specifications

Operating Temperature:	-5 degrees to +50 degrees (C) 23 degrees to +122 degrees (F)
Storage Temperature:	-30 degrees to +60 degrees (C) -22 degrees to +140 degrees (F)

Physical Specifications

Dimensions:	Camera body, length - 5.28" (13.40cm) Camera body, width - 2.83" (7.20cm) Sunshield, top (longest dimension) - 6.25" (15.88cm) Sunshield, width - 3.50" (8.89cm)
Weight:	Camera w/o bracket - 1.6lbs (0.73kg) Bracket - 0.6lbs (0.27kg)