

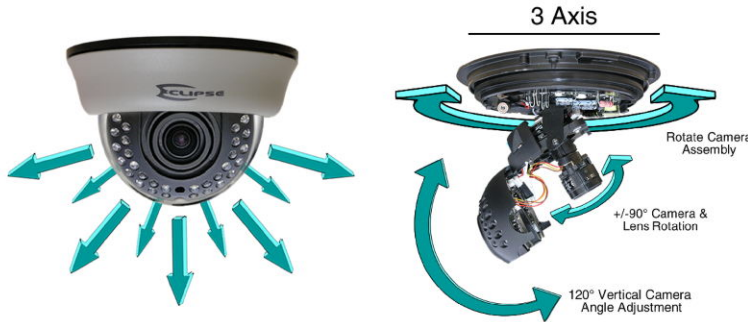


# Specification Sheet

# ECL-5HIM

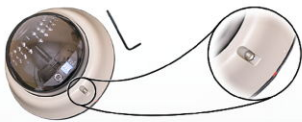
## Daytime Operation

This tamper resistant dome camera contains a 1/3" Sony infrared sensitive HQ1 video sensor that provides high quality video images down to 0.5 Lux. Then Smart IR circuitry activates and controls an array of 30 infrared LEDs, turning segments on/off as required to provide a clear image. Video quality is aided by an auto-iris varifocal lens that uses a mechanical IR filter to enhance low light operation.



## Easy to Aim, Focus, and Adjust

All camera adjustments are made after removing the outer dome & base.



### To remove the base:

Use the tool provided with the camera to remove the tamper resistant screw, then gently rotate the base in a clockwise position until it reaches an internal stop (about a half an inch). The dome/base assembly lifts off.



### To rotate the camera assembly:

Use a Phillip's screw driver to loosen the screw shown at left. The entire camera assembly will be able to rotate. When satisfied with the new position remember to re-tighten the screw.



### To adjust vertical camera angle:

Use a Phillip's screw driver to loosen the screw shown at left. The camera & LED shield assembly will free to tilt on a vertical axis. When satisfied with the new position remember to re-tighten the screw.

### To rotate the camera & lens:

To rotate the camera & lens, or to adjust the lens iris and zoom/focus controls you must first flip back the LED shield. Do the following:

#### 1. Locate shield hinge

The LED shield is hinged and is designed to flip out of the way. Note location of hinge, shown below. If necessary, gently pry the hinge open the first time you do this.

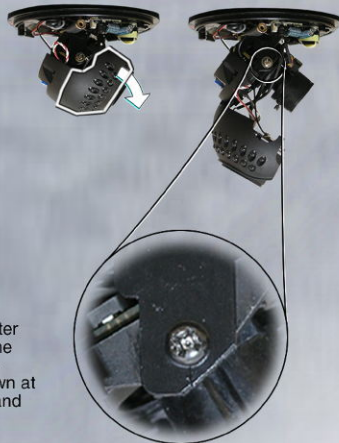
#### 2. Flip back shield

Gently pull the shield out and away, following the natural hinge movement shown below.



#### 3. Manually rotate lens & adjust iris/zoom

You can reach the lens and iris adjustments after opening the LED shield. If you want to rotate the camera & lens unit, you will need to loosen the adjustment screw on the camera bracket, shown at right. Then you can gently grasp the camera and make rotational adjustments until your view is satisfactory.



## General Specifications

Video Sensor: 1/3" Sony HQ1 Infrared Sensitive CCD
# of Pixels: NTSC - 768(h) x 494(v) PAL - 752(h) x 582(v)
Horizontal Resolution: 540 TV lines
Scanning System: 2:1 Interlace
Light Level Sensitivity: 0.5 Lux (day) / F1.2, (0.0 Lux w/IR on)
Video Signal Synchronization: Internal
Video Signal Level: 1Vp-p, 75 Ohm impedance
IR LED Array: 30 Units Operating at 850nm wavelength with selectable delay time (Smart IR technology control).
Signal to Noise Ratio: >48dB
Gamma Correction: 0.45
Auto-White Balance: Multi-Color Temperature AWB
Gain Control: Full Auto-Gain Control (AGC)
Back Light Compensation: Full Auto BLC
Aperture Correction: 2H mode of H.V
Electronic Shutter: Auto, 1/60 sec. to 1/100,000 sec.
Dual Power Capable: 12VDC or 24VAC (installers choice) ~340mA, ~530mA (minimum) with IR on

## Optical Specifications

Lens: 3.8-9.5mm varifocal, IR optimized aspherical with mechanical IR filter

## Environmental Specifications

Operating Temperature: -10 degrees to +45 degrees (C) 14 degrees to +113 degrees (F)
Storage Temperature: -30 degrees to +60 degrees (C) -22 degrees to +140 degrees (F)

## Physical Specifications

Dim.: approx . 127mm x 86mm (5" x 3.39")
Weight: 331.1g (0.73lbs)

#### 4. Use the test monitor output to verify camera aim, focus, and iris setting

The internal test monitor output provides standard composite video and can be quickly connected to portable monitors. Use it to get instant feedback concerning camera aim and save time, especially if you have the dome in an area that is difficult to access due to placement or other factors. Remember to tighten all the screws you may have loosened while making adjustments.

