# OUTDOOR VANDAL PROOF DOME w/ IR, SONY CCD & VARIFOCAL

# Vandal Resistant Outdoor Dome Camera with Varifocal Lens, Auto-Iris & SMART Infrared

This outdoor color dome camera can accept 12VDC or 24VAC. It provides a high quality video image using a Sony 1/3" CCD video sensor, a 4-9mm varifocal auto-iris lens, and a DSP chipset with automatic white balance and switch selectable backlight compensation. An internal 3-axis bracket lets you mount the camera in almost any position. Video based SMART infrared control switches IR LEDs on/off in groups (segmented control) in order to guard against too much or too little IR light when working in infrared mode.



Flip Cover - flip the IR cover up and out of the way to reach the varifocal adjustment tabs to focus the lens.





Switch - Set LED strobe on or off, set backlight compensation on or off, and set delay for switching to infrared mode when a low light condition is detected (accounts for transient low light or shadow conditions).

Auto-Iris Level - Adjustable pot. sets auto-iris sensitivity.



# **General Specifications**

Video Sensor: Sony 1/3" Super HAD Color CCD

DSP (Digital Signal Processing): Yes, built into chipset

251K Effective Pixels: NTSC 512 x 492, PAL 512 x 582

Horizontal Resolution: 420 TV lines

Scanning System: 2:1 Interlace

Light Level Sensitivity: 0.1 LUX / F1.6 (0.0 LUX with IR on)

Video Signal Synchronization: Internal

Video Signal Level: 1Vp-p, 75 Ohm impedance

Signal to Noise Ratio: >48dB

Gamma Correction: 0.45
Auto-White Balance: YES (AWB)

Auto-Backlight Compensation: YES (ABC)

Aperture Correction: 2H mode of H.V. aperture correction

Gain Control: Full Auto-Gain Control (AGC)

Electronic Shutter: Auto, 1/60 sec. to 1/100,000 sec

IR Source: 28 LEDs (850nm wavelength), 65' range (20 meters)

Deterrence LED: White strobe (selectable on/off)

Smart IR: System prevents washout/haze during IR operation by controlling number of LEDs turned on/off. IR level adjustment pot. on board.

Dual Power: 12VDC/24VAC (550mA max. current draw with IR on), non-polarized input connector

# SWITCH SETTINGS



SWITCH	ON	OFF
1 - IR Delay	15 seconds	5 seconds
2 - LED Strobe	OFF	ON
3 - BLC	OFF	ON

# 557-Series Dome Camera Bracket Accessories

#### COR-557BB

Back box protects cable connections and provides durable ceiling mounting surface.



### COR-557WB

Hinged bracket protects cable connections and provides wall mounting option.



# **Optical Specifications**

Lens: 4-9mm varifocal, auto-iris, aspherical (cuts down on focus shift when switching between daylight (color) mode and IR mode (black and white).

## **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**

Case & Dome: Hardened aluminum alloy and clear tough acrylic dome

Dimensions: 157mm x 96mm (6.18" x 3.78")

Weight: 630.5g (1.39lbs)

Anti-Tamper: Screws require special tool for removal (included)

