



American Dynamics

A Tyco International Company

Discover 500 Series

700 TVL Indoor/Outdoor Vandal-Resistant Mini-Dome Cameras



Features That Make a Difference:

- 1/3" Sony® Effio CCD image sensor for true color reproduction
- 700 TVL resolution
- 2.8-10mm or 9-22mm: F1.2 varifocal auto iris lens
- IR illuminators for operation in very low light scenes (Outdoor Only)
- True Day/Night (TDN) mode
- 3-axis gimbal for easy positioning
- Quick-install adapter for easy installation (Indoor only)
- Service jack with second video output for camera setup
- On-screen display for easy setup
- Vandal-resistant housing and optional heater (Outdoor only)
- IP66-rated enclosure for highest protection against particles and water (Outdoor only)
- Eight programmable privacy zones
- 12VDC/24VAC

Discover 500 Series Mini-Domes, both indoor and outdoor models, provide exceptional performance, easy installation/setup and a variety of mounting options. With exceptional True Day/Night mode and 700 TVL resolution, the mini-domes deliver true color reproduction under a variety of light sources.

The Discover 500 Series Mini-Domes leverage Sony® Effio technology providing a horizontal resolution of 700 TVL which captures natural, high-definition video for clear, crisp images. These cameras provide true color pictures with higher sensitivity in less than ideal lighting conditions compared to conventional CCTV cameras. These mini-domes offer IR illuminators for operation in scenes of less than .5 lux, even in complete darkness.

These cameras provide an intuitive on-screen display (OSD) menu to configure and adjust various camera

settings making setup quick and easy. You can adjust for exposure, white balance, backlight compensation, Day/Night mode selection, privacy zones, etc.

An advanced, pivoting 3-axis gimbal allows you to easily position the camera in the exact angle for most applications. It also allows you to make critical focus and focal length improvements. Designed for fast and efficient installation, the mini-domes utilize patent-pending, quick-install adapter making both wall and ceiling installations effortless.

With a high-impact, vandal-resistant dome housing, the outdoor mini-dome is built to withstand the harshest environments. Additionally, the camera enclosure is IP66-rated for complete protection against dust and other debris, and against water damage. An optional heater provides extra protection in cold weather environments.

Specifications

Operational

Imager	1/3" Sony® CCD image sensor
Horizontal Resolution	700 TVL
Active Pixel Count (H x V)	
NTSC	976 x 494
PAL	976 x 582
Lens (Varifocal Auto Iris)	3-9mm: F1.2-2.4; 9-22mm: F1.2
Scanning Frequency	60Hz (NTSC); 50Hz (PAL)
Min. Scene Illumination	Day mode: 0.3 lux Night mode: 0.03 lux @ F1.2
Iris Control	DC auto
S/N Ratio	>50 dB (100 IRE, F1.2)
Synchronization	Internal
Shutter Speed	1/60-1/10000 (NTSC) 1/50-1/10000 (Outdoor only) (PAL)
IR Illuminator	850nm/20m (Outdoor only)

Controls

AGC	Auto/Manual
AES	1/60-1/10000 (NTSC) 1/50-1/10000 (PAL)
BLC	Full range
White Balance	Auto, Manual, Push, Push Lock, User 1, 2, Anti CR
Auto White Balance Range	2700K-9700K
Day/Night	True Day Night (auto, color, b/w)
Brightness	0-255
Sharpness	0-255
Digital Noise Reduction	2D, 3D motion adaptive (0-255)
Motion	4 area (1 alarm out)
Privacy Zones	Eight programmable
Mirror	Horizontal and vertical

On-screen Display Camera name

Connectors

Video Output Composite

Electrical

Voltage DC 10.8V-13.3V, AC 19.2V-28.8V
Power Consumption 2.8W; 5.2W (max.) when True Day/Night on

Mechanical

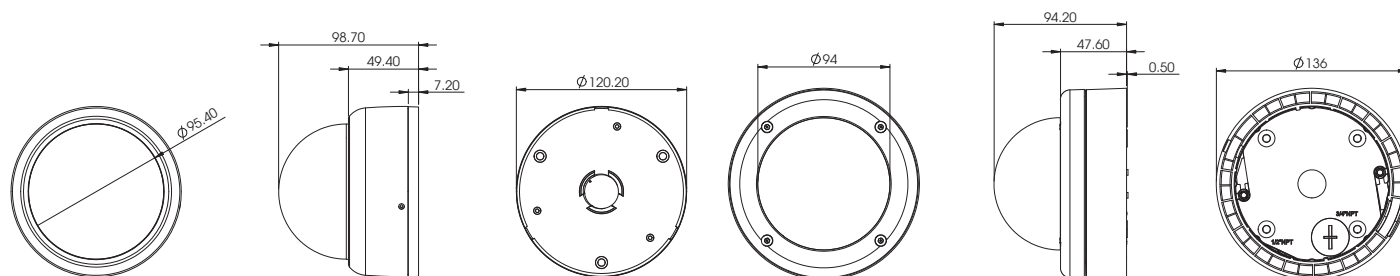
Dimensions (D x H)
Indoor 120.2 x 98.7 mm (4.7 x 3.9 in)
Outdoor 136 x 94.2 mm (5.35 x 3.7 in)
Weight
Indoor 250 g (0.55 lbs)
Outdoor 530 g (1.17 lbs)
Housing Material Polycarbonate
Housing Color
White RAL 9003, Pantone® 705
Black RAL 9017, Pantone Process Black

Environmental

Operational Temperature
Without Optional Heater . . . -10°C to 50°C (14°F to 122°F)
With Optional Heater . . . -40°C to 50°C (-40°F to 122°F)
Storage Temperature -20°C to 60°C (-4°F to 140°F)
Relative Humidity 90% (non-condensing)

Regulatory

IP Rating IP66
Emissions FCC: Part 15, Class B
CE: EN61000, Class B
CE: EN50130-4
Immunity
Safety NTSC: UL60950 and CSAC22.2 No. 60950
PAL: IEC60950



Indoor Dome Dimensions

Outdoor Dome Dimensions

Ordering Information

Brand	Camera	Series	Dome	Color	Environment	Bubble	Lens	Infrared	Format
AD	CA	5	D	W = White B = Black	I = Indoor O = Outdoor	T = Tinted C = Clear	3 = 9-22mm Varifocal 4 = 2.8-10mm Varifocal 8 = 2.5-6mm Varifocal	R ¹	N = NTSC P = PAL

(1) Outdoor Only

Accessories

Model	Description
ADCAHTR	Heater Kit for Outdoor Mini-Dome

Related Products



Approvals



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