

# Discover 550 Series

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



### Features That Make a Difference:

- 1/3" Sony 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)
- 15 programmable privacy zones
- 12VDC/24VAC

Discover 550 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 550 Series Mini-Domes leverage Sony 960H 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 .3 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 Super HAD II image sensor
Horizontal Resolution	700 TVL
Active Pixel Count (H x V)	
NTSC	976 x 494
PAL	976 x 582
Lens (Varifocal Auto Iris)	2.8-10mm: F1.2 - 2.4; 9-22mm: F1.4
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	>48 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
Auto White Balance Range	1800K-10500K
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
Privacy Zones	15 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

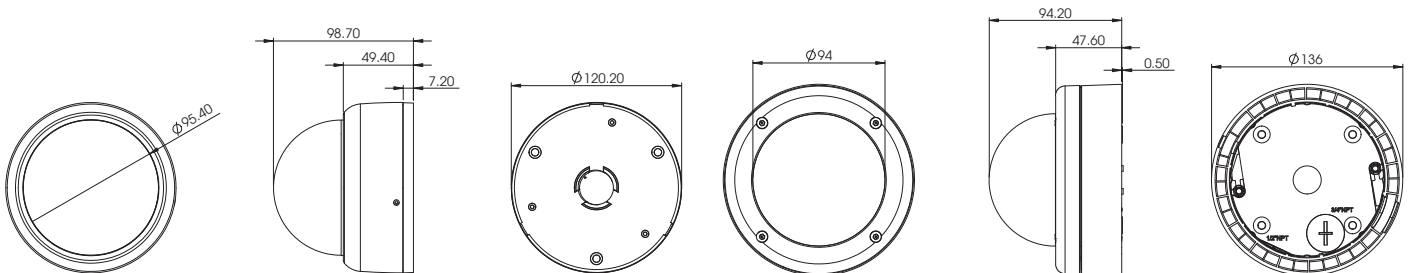
Dimensions (D x H)  
    Indoor . . . . . 120.2 x 98.25 mm (4.7 x 3.9 in)  
    Outdoor . . . . . 136 x 94.2 mm (5.35 x 3.7 in)  
Weight  
    Indoor . . . . . 270 g (0.60 lbs)  
    Outdoor . . . . . 560 g (1.23 lbs)  
Housing Material . . . . . Polycarbonate  
Housing Color  
    White . . . . . RAL 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: EN55022, Class B  
                                  CE: EN50130-4  
Immunity . . . . . CE: EN50130-4  
Safety . . . . . NTSC: UL60950 and CSAC22.2 No. 60950  
                                  PAL: IEC60950 RoHS Compliant



Indoor Dome Dimensions

Outdoor Dome Dimensions

## Ordering Information

Brand	Camera	Series	Dome	Color	Environment	Bubble	Lens	Infrared	Format
AD	CA	55	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 <sup>1</sup>	N = NTSC P = PAL

(1) Outdoor Only

## Accessories

Model	Description
ADCAHTRV	Heater Kit for Outdoor Mini-Dome

## Related Products



ADTVR Series



victor

## Approvals

