



Discover™ Series

Mini-Domes

Features that make a difference:

- High impact vandal resistant housing that retains shape even after forceful impact
- High impact vandal resistant polycarbonate bubbles (clear and tinted)
- Snap-on bubble liner for an extra level of covertness
- Advanced pivoting axis provides greater viewing flexibility
- Three quality auto iris lens options for better image quality and improved low light performance
- Multiple camera options, including WDR model with latest Pixim technology
- Night-Saver mode for extreme low light conditions
- Easy installation with eight mounting options (surface, flush, pendant, wall, wall-pole, wall-exterior corner, inside corner, electrical box)
- Discover Drone option
- IP66 and NEMA4X-rated for -30° to 50°C (-22° to 122°F)
- Optional heater kit for -50°C (-58°F)

The Discover series of Mini-Domes delivers a vandal resistant camera solution at a non-vandal resistant price. This series of high performance Mini-Domes includes high impact, vandal resistant dome housings built to withstand even the harshest environments. Unlike other dome housings in the industry, which are made of metal, the Discover series housing is made with extremely durable composite and polycarbonate materials that have “shape memory”. The Discover housing comes with a choice of clear or tinted vandal resistant bubbles and includes a bubble liner to make it more covert. An advanced pivoting axis lets you position the camera at exactly the angle you need, while optimal white balance provides the clearest, most color-perfect images possible.

With three different types of mini-domes to choose from, there’s a Discover solution just right for your particular requirements.

The Discover wide dynamic range (WDR) Mini-Dome uses over 504 lines of resolution and a pixel-by-pixel shutter speed that lets you see better in areas where both very bright and dark areas exist, such as an entranceway. This model also features up to a 2x digital zoom to get an even closer view of

the action. Night-Saver mode improves performance in low light situations, automatically switching from color to monochrome as light dims and reverting back to color once light is restored. The WDR mini-dome also includes a DVR-Saver mode which helps conserve valuable hard drive space, reducing the size of video files by up to 30% when used with an Intellex® digital video management system.

The Discover high resolution Mini-Dome has 540 TVL and also includes a user-selectable Night-Saver mode. For challenging lighting environments, a selectable expanded auto white balance mode is available. Vivid colors and powerful low light performance provide some of the best images available on the market today.

The Discover standard resolution camera offers a cost effective solution for the value-conscious with 330 TVL. It is available with a 3.8 – 9.5 mm vari-focal, auto iris lens.

The Discover series includes a drone option—which looks like a mini-dome from the outside but without a camera inside—and is perfect for crime deterrence at an even greater cost savings.

	Wide Dynamic Range ADCDW Series	High Resolution ADCDH Series	Standard Resolution ADCDS Series
General			
Imager	Pixim orca sensor	1/3-inch CCD	1/3-inch CCD
Video Output	1.0 Vp-p/75-ohm, BNC	1.0 Vp-p/75-ohm, BNC	1.0 Vp-p/75-ohm, BNC
Horizontal Resolution	504+ TV lines	540 TV lines	330 TV lines
Active Pixel Count (H x V)	Universal: 720 x 540	NTSC: 768 x 494 (PAL: 752 x 582)	NTSC: 510 x 492 (PAL: 500 x 582)
Minimum Scene Illumination	0.95 lux @ F1.2	0.65 lux @ F1.2	0.7 lux @ F1.2
Digital Slow Shutter (DSS)	2x (default) – 32x	N/A	N/A
Wide Dynamic Range	120 dB/17-bit	N/A	N/A
Sync System	Line-lock, phase-adjustable or internal	Line-lock, adjustable or internal	Internal
S/N Ratio	>42 dB	50 dB	48 dB
White Balance	Automatic white balance (AWB), One-touch & manual	AWB	AWB
AWB Ranges—Normal (Extended)	2200 – 7500 K (2000 K-11000 K)	2700 – 11000 K (2000 – 18000 K)	2700 – 11000 K (N/A)
WDR Metering Zone	One zone adjustable	N/A	N/A
Backlight Compensation	N/A	Center weighted on/off	N/A
Flickerless Mode	Selectable on/off	Selectable on/off	N/A
Night-Saver	Selectable on/off	Selectable on/off	N/A
DVR-Saver Mode	Selectable on/off	N/A	N/A
Digital Zoom	Scalable, up to 2x	N/A	N/A
Power Consumption	3 watts	2.8 watts	1.7 watts
Weight	0.9 kg (1.9 lbs)	1.0 kg (2.2 lbs)	0.9 kg (1.9 lbs)

Common to all Discover Mini-Domes

Physical, Electrical, Environmental & Regulatory

Dimensions (H x W)	92 x 136 mm (3.6 x 5.4 in)
Housing Color	White
Environmental Rating	IP66
Bubble Diameter	94 mm (3.7 in)
Bubble Thickness	2.5 mm (0.1 in)
Bubble F-Stop	F1.0 (tinted); F0 (clear)
Pan & Effective Tilt (at 7 in) Range ¹	360° & 180° (+/-90°)
Power Input ²	12 VDC -10% +20% 24 VAC +/-20%, 50/60 Hz
Power Connection	Flying lead or plug
Without Heater	-30° to 50°C (-22° to 122°F)
With Optional Heater	-50° to 50°C (-58° to 122°F)
Humidity	90% (noncondensing)
Storage Temperature	-20° to 60°C (-4° to 140°F)
Emissions	FCC part 15 Class B CE: EN55022 ICES-003
Immunity	CE: EN50130-4
Safety	UL/cUL; CSA C22.2

(1) Using a 2.5-6 mm lens at wide angle.
(2) NEC Class 2/LPS power supply required.

Lenses

2.5 – 6 mm auto iris lens	
F-Stop	F1.3 ~ 360
Field of View (H x V)	108.2° x 80.4° (wide) & 47.6° x 35.6° (tele)
3.8 – 9.5 mm auto iris lens	
F-Stop	F1.2 ~ 360
Field of View (H x V)	74.2° x 54.0° (wide) & 30.0° x 22.4° (tele)
9 – 22 mm auto iris lens	
F-Stop	F1.8 ~ 360
Field of View (H x V)	30.7° x 22.7° (wide) & 14.1° x 10.6° (tele)

Accessories

ADCDDRONE	Drone, no camera or lens capability
ADCDMWALL	Wall mount w/pendant cap
ADCDMCRNRO	Outside corner adapter for use with ADCDMWALL
ADCDMPEND	Pendant cap, three-quarter inch thread
ADCDMCRNR	Corner mount
ADCDMPOLE	Pole mount for use with ADCDMWALL
ADCDMELEC	4S electrical box adapter
ADCDHTR	Heater module
ADCDSLCL	Video service lead cable

Model Number Configuration for Discover Mini-Domes

	BRAND	FAMILY	CAMERA	LENS	BUBBLE	FORMAT
	AD	CD	X	XXXX	X	X
ADCDH Series	AD	Camera Discover	H = High resolution	2506 = 2.5 – 6 mm 3895 = 3.8 – 9.5 mm 0922 = 9 – 22 mm	C = Clear T = Tinted	N = NTSC P = PAL
ADCDW Series			W = Wide dynamic range	2506 = 2.5 – 6 mm 3895 = 3.8 – 9.5 mm 0922 = 9 – 22 mm	C = Clear T = Tinted	U = Universal (NTSC/ PAL)
ADCDS Series			S = Standard resolution	3895 = 3.8 – 9.5 mm	C = Clear T = Tinted	N = NTSC P = PAL

Product offerings and specifications are subject to change without notice. Actual products may vary from photos. Not all products include all features. Availability varies by region; contact your sales representative. certain product names mentioned herein may be trade names and/or registered trademarks of other companies.

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