



Camclosure® Series Indoor Mini Dome

ICS090 SERIES SURFACE MOUNT/IN-CEILING, STANDARD RESOLUTION

Product Features

- Fully-Integrated Indoor Enclosure with Camera and Lens
- Single Model for Surface Mount and Recessed Ceiling Applications with 4S Adapter Plate
- Fixed Focal Lens Options: 2.9 mm, 3.6 mm, 6 mm, 8 mm, 12 mm
- Composite and Unshielded Twisted Pair (UTP) Options
- Video Service Connector for On-Site Setup
- All Models Include 1 Smoked Dome Bubble, 1 Clear Dome Bubble, and 1 Discreet Liner
- Shipped Completely Assembled, Easy to Install
- 12 VDC or 24 VAC Operation, Autosensing
- Manual, 3-Axis (Pan/Tilt and Rotation) Positioning Allows Adjustment for Optimum Camera Rotation and Placement
- Housing Available in White or Black



SHOWN WITH PENDANT MOUNT ADAPTER (IS090-P)



NOTE: THE SURFACE MOUNT RING IS REMOVED FOR RECESSED INSTALLATIONS.

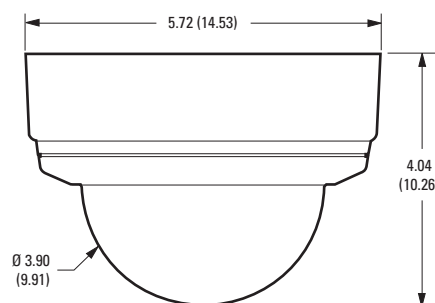
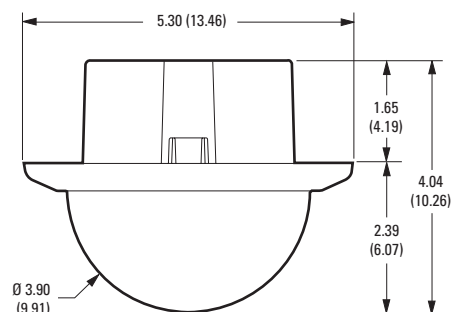
The **ICS090 Series Camclosure® Integrated Camera System** integrates a camera and lens package into a small, versatile indoor enclosure that can be mounted directly to, or recessed into, a ceiling or wall.

The **ICS090 Series** is shipped completely assembled, making installation fast and easy. A 4S adapter plate is supplied with the unit for electrical box installations.

Designed for continuous operation, the **ICS090** features a 3-axis camera and lens positioning system that is capable of 360 degrees pan, 140 degrees tilt, and 360 degrees rotation. The system also has an internal sensing system for input voltage (12 VDC or 24 VAC), easy access to V-phase adjustment, and a built-in service connector for on-site camera setup.

The **ICS090 Series** camera module includes a standard resolution color camera with a choice of fixed focal length lens: 2.9 mm, 3.6 mm, 6 mm, 8 mm, or 12 mm.

An optional 4-foot service/monitor cable (**IS-SC**) is available for on-site setup and adjustments. To use the cable, simply plug one end of the cable directly into the service connector of the **ICS090**, and then connect the other end to any standard BNC (VIDEO IN) connector on a monitor.



NOTE: VALUES IN PARENTHESES ARE CENTIMETERS; ALL OTHERS ARE INCHES.



C2462 / REVISED 2-08



U.S. Patents D497,927 S; 6,715,939 B2; 6,805,498 B2

International Standards
Organization Registered Firm;
ISO 9001 Quality System



TECHNICAL SPECIFICATIONS

MODELS

Lens/Iris	White Finish				Black Finish			
	BNC Connector (NTSC)	Unshielded Twisted Pair* (NTSC)	BNC Connector (PAL)	Unshielded Twisted Pair* (PAL)	BNC Connector (NTSC)	Unshielded Twisted Pair* (NTSC)	BNC Connector (PAL)	Unshielded Twisted Pair* (PAL)
2.9 mm	ICS090-CA3	ICS090-CA3T	ICS090-CC3	ICS090-CC3T	ICS090B-CA3	ICS090B-CA3T	ICS090B-CC3	ICS090B-CC3T
3.6 mm	ICS090-CA3.6	ICS090-CA3.6T	ICS090-CC3.6	ICS090-CC3.6T	ICS090B-CA3.6	ICS090B-CA3.6T	ICS090B-CC3.6	ICS090B-CC3.6T
6 mm	ICS090-CA6	ICS090-CA6T	ICS090-CC6	ICS090-CC6T	ICS090B-CA6	ICS090B-CA6T	ICS090B-CC6	ICS090B-CC6T
8 mm	ICS090-CA8	ICS090-CA8T	ICS090-CC8	ICS090-CC8T	ICS090B-CA8	ICS090B-CA8T	ICS090B-CC8	ICS090B-CC8T
12 mm	ICS090-CA12	ICS090-CA12T	ICS090-CC12	ICS090-CC12T	ICS090B-CA12	ICS090B-CA12T	ICS090B-CC12	ICS090B-CC12T

*Compatible with Pelco TW3000 passive/active UTP series, NVT, and NITEK. Call your customer service representative for part numbers. A separate receiver is needed.

ICS-090HNU	ICS090 Series in-ceiling dome (no camera/lens) white housing include 1 smoked dome bubble and 1 clear dome bubble; not upgradable
ICS-090BHNU	ICS090 Series in-ceiling dome (no camera/lens) black housing include 1 smoked dome bubble and 1 clear dome bubble; not upgradable

GENERAL

Pan/Tilt Adjustment	Manual
Pan	360°
Tilt	140° (20° to 160° range)
Rotation	360°
Construction	
Back Box and Surface Mount Ring	ABS plastic
Bubble	Polycarbonate
Finish	White or black
Light Attenuation	
Smoked	f/1.5 light loss
Clear	Zero light loss
Environment	Indoor
Operating Temperature	32° to 120°F (0° to 49°C)
Unit Weight	0.52 lb (0.24 kg)
Shipping Weight	2.0 lb (0.91 kg)

ELECTRICAL

Input Voltage†	12 VDC or 24 VAC (±10%), autosensing
Power Consumption	3 W or less

† 24 VAC power is recommended when installing any Camclosure Integrated Camera System under fluorescent lighting conditions.

VIDEO

Signal System	NTSC or PAL
Video Connectors	1 composite BNC or 1 UTP

CERTIFICATIONS/PATENTS

- CE, Class B
- FCC, Class B
- UL/cUL Listed
- U.S. Patents D497,927 S; 6,715,939 B2; 6,805,498 B2

CAMERA SPECIFICATIONS

Imaging Device	1/3-inch interline color CCD
Scanning System	2:1 interlace
Sync System	12 VDC: internal 24 VAC: external (VD lock)
Horizontal Resolution	350 TV lines
Signal-to-Noise Ratio	48 dB
Minimum Illumination	1 lux (f/2.0)
Gain Control	Auto
Exposure	Electronic shutter (1/60 - 1/100,000)
White Balance	Auto
Backlight Compensation	Auto or manual (switch selectable)

LENS SPECIFICATIONS

Focal Length	2.9 mm	3.6 mm	6.0 mm	8.0 mm	12.0 mm
Format Size	1/3-inch	1/3-inch	1/3-inch	1/3-inch	1/3-inch
Relative Aperture (f)	2.0	2.0	1.8	1.8	2.0
Operation					
Iris	N/A	N/A	N/A	N/A	N/A
Focus	Manual	Manual	Manual	Manual	Manual
Zoom	N/A	N/A	N/A	N/A	N/A
Angle of View					
Horizontal	90°	74°	42°	32°	21°
Diagonal	—	—	—	—	—
Vertical	69°	55°	33°	25°	17°

Focal length specifications presume a 10% horizontal and 4% vertical monitor overscan.

RECOMMENDED POWER SUPPLIES

(For use with 24 VAC models only)

TF2000	Power supply for one 24 VAC camera, 20 VA
MCS Series	Multiple 24 VAC camera power supply, indoor
MCS*E Series	Multiple 24 VAC camera power supply, indoor

OPTIONAL ACCESSORIES

IS-SC	4-foot service/monitor cable; compatible with any standard monitor BNC connector
IS90-P	White pendant mount adapter
IS90B-P	Black pendant mount adapter
IS90-PW	White pendant wall mount
IS90B-PW	Black pendant wall mount



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