



IX-8000IR Weatherproof IR Day/Night Camera

- 1/3-inch Super HAD CCD
- 570 TV lines (B&W); 550 TV lines (color)
- Removable IR filter for true day/night functionality
- Weatherproof IP-67
- 18 integrated IR LEDs with CDS sensor
- 3.8-9.5 mm integrated varifocal lens
- 12 VDC/24 VAC dual input voltage
- Automatic white balance
- Line-locking synchronization in AC mode

The IX-8000IR compact camera employs the latest technology in a stylish design. This high-performance (IP-67) weatherproof compact camera offers an excellent range of features and functions for outdoor applications.


Latest chip technology guarantees excellent picture quality. The IX-8000IR provides pin sharp pictures due to the integrated 1/3-inch Super HAD CCD.

The camera offers super-high resolution of 550/570 TV lines (color/B&W) coupled with very high sensitivity of 0.03 fc (0.3 lux) in color or 0.003 fc (0.03 lux) in B&W. The camera utilizes a mechanical I.R. cut filter and 18 integrated IR LEDs that activate automatically in bad lighting conditions (CDS sensor) to produce high quality monochrome pictures.

The camera is available with 12 VDC/24 VAC (dual) input voltage and provides internal synchronization with 12 VDC and line locking with 24 VAC. The IX-8000IR offers impressive picture quality which makes it ideally suited for a great variety of surveillance applications.

Model	Product Code	Description
IX-8000IR	9008-03	1/3-in. day/night camera with 3.8-9.5 mm varifocal lens; 550 TVL resolution (color), 570 TVL resolution (B&W), IR, weatherproof/IP-67, 12 VDC/24 VAC; isolated power input; PAL

Table 1: Models, Product Codes and Descriptions

Vicon Product Facts		Model No: IX-8000IR	Product Code: Refer to Table 1	SEC: 3	SPEC: UK175-50	REV: 606
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Technical Information

ELECTRICAL

Input Voltage: 12 VDC/24 VAC

Current: 12 VDC: 500 mA, max.
24 VAC: 250 mA, max

Power Consumption: 6.0 W, max.

Heat Equivalent: 0.34 btu/min (0.09 kg-cal/min).
Note: These figures represent the conversion of 100% of the electrical energy to heat. Actual percentage of the heat generated will be less and will vary from product to product. These figures are provided as an aid in determining the extent of cooling required for an installation.

Output to Autoiris: DC drive.

Radio Frequency Emission Rating: EN61000-6-3:2002-08.
Generic Standards:
EN55022:2003-09,
EN61000-3-2:2001-12,
EN61000-3-3:2002-05.

Safety Standard: CE.

VIDEO CHARACTERISTICS

Image Device: 1/3-inch interline Super HAD CCD.

Active Picture Elements: 440,000.
752 (H) x 582 (V).

Sensitivity: Color: 0.03 fc (0.3 lux);
B&W: 0.003 fc (0.03 lux) .

Horizontal Resolution: 550 TV lines (color);
570 TV lines (B&W).

Signal-to-Noise Ratio: >48 dB, AGC OFF.

White Balance: ATW.

Video Output: 1.0 V p-p/75 ohm composite.

Scanning System: 625 lines, 50 fields/sec,

Synchronization: 12 VDC: Internal.
24 VAC: Line locking.

Gain Control: AGC, not selectable or adjustable.

Gamma Correction: 0.45.

Day/Night Function: AUTO (ICR); 18 integrated IR LEDs, 850 nm.
LED Lighting Distance: 65 ft (20 m).

CONTROLS AND CONNECTORS

Connectors: Y cable for power and video:
Power: screw terminal block.
Video: BNC.

MECHANICAL

Mounting: ¼-20 threaded hole in camera bottom and camera top.

Lens: 3.8 – 9.5 mm DC varifocal (f/1.3); 74° - 30° angle of view.

Dimensions: Diameter: 2.6 in. (65 mm).
Length: 4.8 in. (122 mm).

Weight: 0.9 lb (0.43 kg), including sunshield.

Construction: Aluminum pressure casting.

Finish: Silver color.

Shipping Dimensions: Height: 4.6 in. (118 mm).
Width: 8.7 in. (220 mm).
Depth: 7.4 in. (189 mm).

Shipping Weight: 1.7 lb (0.79 kg).

Shipping Volume: 0.17 ft³ (0.0049 m³).

ENVIRONMENTAL

Operating Temperature Range: +14 to 122° F
(-10 to 50° C).

Protection Class: IP 67.



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