



IX-1000L and IX-1000H Super-High Resolution Cameras

- 1/3-inch Super HAD CCD
- 550 TV lines
- 12 VDC/24 VAC or 230 VAC
- Backlight compensation; automatic white balance
- Internal synchronization

The IX-1000 color camera combines the latest cutting edge technology with a uniform and attractive product design. The IX-1000 cameras offer exceptional picture quality together with a superb feature range that will meet the needs of any security and surveillance application.

Latest chip technology guarantees excellent picture quality. The IX-1000 offers pin sharp pictures due to the integrated 1/3-inch Super HAD CCD, on which every pixel has its own (reflector) amplification.

Super-high resolution of 550 TV lines (color) coupled with very high sensitivity of less than 0.03 fc (0.3 lux) combine with features such as backlight compensation to provide superb picture quality even in areas with poor lighting and difficult environments.

The camera is available as IX-1000L with 12/24 V (dual) input voltage or IX-1000H with 230 VAC input and is suitable for every 1/3" lens type (manual, DC or ES).

Model	Product Code	Description
IX-1000L	9002-03	1/3-in. color camera; 550 TVL resolution, 12 VDC/24 VAC; isolated power input; PAL
IX-1000H	9002-06	1/3-in. color camera; 550 TVL resolution, 230 VAC; isolated power input; PAL

Table 1: Models, Product Codes and Descriptions

Vicon Product Facts		Model No: IX-1000 Series	Product Code: Refer to Table 1	SEC: 3	SPEC: UK175-00	REV: 606
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Technical Information

ELECTRICAL

Input Voltage: IX-1000L: 12 VDC/24 VAC
IX-1000H: 230 VAC.
Isolated power input.

Current: IX-1000L: 12 VDC: 234 mA;
24 VAC: 117 mA, max.
IX-1000H: 14 mA, max.

Power Consumption: IX-1000L: 2.8 W, max.
IX-1000H: 3.0 W, max.

Heat Equivalent: IX-1000L: 0.16 btu/min
(0.04 kg-cal/min).
IX-1000H: 0.17 btu/min
(0.043 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: Video and 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 interlace Super HAD CCD.

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

Sensitivity: 0.03 fc (0.3 lux), f/1.4, 30 IRE, AGC ON.

Horizontal Resolution: 550 TV lines.

Electronic Iris: 1/50 – 1/100,000.

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: Internal.

Gain Control: AGC, ON/OFF, selectable.

Backlight Compensation: ON/OFF, selectable.

Gamma Correction: 0.45.

CONTROLS AND CONNECTORS

Connectors: Power: 2-pin terminal block, cord with plug.
Video: BNC.
Autoiris Lens: 4-pin connector.

External Controls: BLC: ON/OFF.
AGC: ON/OFF.
Flickerless: ON/OFF.

MECHANICAL

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

Lens Mount: C/CS mount with adapter ring.

Flange Back Adjustment: Screw thread.

Dimensions: Height (H): 2.6 in. (65 mm).
Width (W): 2.6 in. (65 mm).
Depth (D): 4.9 in. (125 mm).

Weight: IX-1000L: 0.8 lb (0.37 kg).
IX-1000H: 1.2 lb (0.55 kg).

Finish: Brushed aluminum and black.

Shipping Dimensions: IX-1000L:
Height: 3.7 in. (93 mm).
Width: 6.85 in. (174 mm).
Depth: 3.7 in. (93 mm).
IX-1000H:
Height: 3.7 in. (93 mm).
Width: 7.2 in. (183 mm).
Depth: 5.2 in. (133 mm).

Shipping Weight: IX-1000L: 1.1 lb (0.49 kg).
IX-1000H: 1.5 lb (0.7 kg).

Shipping Volume: IX-1000L: 0.05 ft³ (0.0015 m³).
IX-1000H: 0.08 ft³ (0.0023 m³).

ENVIRONMENTAL

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



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