



IX-2000L and IX-2000H High-Sensitivity Color Cameras

- 1/3-inch ExView™ HAD CCD
- Sensitivity of 0.001 fc (0.01 lux)
- 12 VDC/24 VAC or 230 VAC
- High resolution of 480 TV lines
- Backlight compensation; automatic white balance
- Line-locking synchronization in AC mode

The IX-2000 color camera combines the latest cutting edge technology with a uniform and attractive product design. The IX-2000 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-2000 offers pin sharp pictures due to the high-sensitivity 1/3-inch ExView HAD CCD, on which every pixel has its own (reflector) amplification.

A high resolution of 480 TV lines coupled with very high sensitivity of 0.001 fc (0.01 lux) combine with features such as backlight compensation to provide superb picture quality even in areas with difficult lighting and weather conditions. The color cut function guarantees good picture quality even in difficult lighting conditions by switching automatically from color to black-and-white mode to minimize interference.

The camera is available as IX-2000L with 12/24 V (dual) input voltage or IX-2000H with 230 VAC input and is suitable for 1/3" lens type (manual, DC or ES). The AC model camera features adjustable line locking synchronization.

Model	Product Code	Description
IX-2000L	9003-03	1/3-in. day/night camera; 480 TVL resolution, 12 VDC/24 VAC; isolated power input; PAL
IX-2000H	9003-06	1/3-in. day/night camera; 480 TVL resolution, 230 VAC; isolated power input; PAL

Table 1: Models, Product Codes and Descriptions

Technical Information

ELECTRICAL

Input Voltage: IX-2000L: 12 VDC/24 VAC
IX-2000H: 230 VAC.
Isolated power input.

Current: IX-2000L: 12 VDC: 125 mA,
24 VAC: 105 mA, max.
IX-2000H: 22 mA.

Power Consumption: IX-2000L: 12 VDC: 1.5 W max,
24 VAC: 2.5 W max.
IX-2000H: 3.0 W max.

Heat Equivalent: IX-2000L: 12 VDC: 0.08 btu/min
(0.02 kg-cal/min);
24 VAC: 0.14 btu/min
(0.04 kg-cal/min)
IX-2000H: 0.17 btu/min
(0.04 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 interline ExView HAD
CCD.

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

Sensitivity: 0.001 fc (0.01 lux), f/1.2.

Horizontal Resolution: 480 TV lines.

Electronic Iris: 1/50 – 1/100,000.

Signal-to-Noise Ratio: >48 dB.

White Balance: ATW/AWB (Hold).

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

Scanning System: 625 lines, 50 fields/sec.

Synchronization: IX-2000L: 12 VDC, Internal;
24 VAC, Line locking.
IX-2000H: Line locking.

Gain Control: AGC, ON/OFF, selectable.

**Backlight
Compensation:** ON/OFF, selectable.

Gamma Correction: 0.45.

CONTROLS AND CONNECTORS

External Controls: BLC: ON/OFF.
AGC: ON/OFF.
ATW/Hold.
AES/AI.
DC/Video.
Line lock/Internal.

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

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-2000L: 0.8 lb (0.37 kg).
IX-2000H: 1.2 lb (0.55 kg).

Finish: Brushed aluminum and black.

**Shipping
Dimensions:** IX-2000L:
Height: 3.7 in. (93 mm).
Width: 6.85 in. (174 mm).
Depth: 3.7 in. (93 mm).
IX-2000H:
Height: 3.7 in. (93 mm).
Width: 7.2 in. (183 mm).
Depth: 5.2 in. (133 mm).

Shipping Weight: IX-2000L: 1.1 lb (0.49 kg).
IX-2000H: 1.5 lb (0.7 kg).

Shipping Volume: IX-2000L: 0.05 ft³ (0.0015 m³).
IX-2000H: 0.08 ft³ (0.0023 m³).

ENVIRONMENTAL

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



VICON INDUSTRIES

89 Arkay Drive
Hauppauge, NY 11788
www.vicon-cctv.com

TEL: 631-952-2288
FAX: 631-951-2288
TOLL FREE: 800-645-9116