



### IX-3000L and IX-3000H Super-High Resolution Day/Night Cameras

- 1/3-inch Super HAD CCD
- 570 TV lines (B&W); 550 TV lines (color)
- Removable IR filter for true day/night functionality
- 12 VDC/24 VAC or 230 VAC
- Backlight compensation; automatic white balance
- Internal synchronization

The IX-3000 day/night camera combines the latest cutting edge technology with a uniform and attractive product design. The IX-3000 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-3000 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 550/570 TV lines (color/B&W) coupled with very high sensitivity of 0.003 fc (0.03 lux) in B&W or 0.03 fc (0.3 lux) in color combine with features such as backlight compensation to provide superb picture quality even in areas with difficult lighting and weather conditions. With an integrated automatic IR cut filter, the IX-3000 is designed for day/night applications and is IR sensitive in the monochrome mode.

The camera is available as IX-3000L with 12/24 V (dual) input voltage or IX-3000H with 230 VAC input and is suitable for every 1/3" lens type (manual, DC or ES).

Model	Product Code	Description
IX-3000L	9004-03	1/3-in. day/night camera; 550 TVL resolution (color), 570 TVL resolution (B&W), 12 VDC/24 VAC; isolated power input; PAL
IX-3000H	9004-06	1/3-in. day/night camera; 550 TVL resolution (color), 570 TVL resolution (B&W), 230 VAC; isolated power input; PAL

**Table 1: Models, Product Codes and Descriptions**

<b>Vicon Product Facts</b>		Model No: IX-3000 Series	Product Code: Refer to Table 1	SEC: 3	SPEC: UK175-30	REV: 606
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## Technical Information

### ELECTRICAL

**Input Voltage:** IX-3000L: 12 VDC/24 VAC  
IX-3000H: 230 VAC.  
Isolated power input.

**Current:** IX-3000L: 12 VDC: 234 mA;  
24 VAC: 117 mA, max.  
IX-3000H: 14 mA, max.

**Power Consumption:** IX-3000L: 2.8 W max.  
IX-3000H: 3.0 W.

**Heat Equivalent:** IX-3000L: 0.16 btu/min  
(0.04 kg-cal/min).  
IX-3000H: 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:** B&W: 0.003 fc (0.03 lux);  
Color: 0.03 fc (0.3 lux),  
f/1.4, 30 IRE, AGC ON.

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

**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.

**Day/Night Function:** AUTO (ICR).

**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-3000L: 0.8 lb (0.37 kg).  
IX-3000H: 1.2 lb (0.55 kg).

**Finish:** Brushed aluminum and black.

**Shipping Dimensions:** IX-3000L:  
Height: 3.7 in. (93 mm).  
Width: 6.85 in. (174 mm).  
Depth: 3.7 in. (93 mm).  
IX-3000H:  
Height: 3.7 in. (93 mm).  
Width: 7.2 in. (183 mm).  
Depth: 5.2 in. (133 mm).

**Shipping Weight:** IX-3000L: 1.1 lb (0.49 kg).  
IX-3000H: 1.5 lb (0.7 kg).

**Shipping Volume:** IX-3000L: 0.05 ft<sup>3</sup> (0.0015 m<sup>3</sup>).  
IX-3000H: 0.08 ft<sup>3</sup> (0.0023 m<sup>3</sup>).

### ENVIRONMENTAL

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



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