



**V9312H Series Environmental Housing**

- Compact
- Available with heater and sunshield
- Weatherproof
- Easy serviceability and installation

Model V9312H Series of compact weatherproof housings is designed for smaller outdoor CCTV applications. A spring cover and latch provide easy access, and a weatherproof seal protects the camera/lens assembly from moisture. It is available in two model variations with different features, including a heater and sunshield. Refer to Table 1.

The V9312H is the basic housing. Model V9312H-HS-24 is equipped with a strip heater that provides 25 watts of power and a sunshield. The thermostatically-controlled heater goes on when the temperature drops to 50° F (10° C) and turns off when the temperature reaches 60° F (16° C). The sunshield provides long-term protection from UV radiation and corrosion. The viewing window is made from polycarbonate Lexan\* for long lasting transparency.

Model Number	Product Code	Description
V9312H	6819	Basic housing
V9312H-HS-24	6819-02	Basic housing with 24 VAC heater and sunshield

**Table 1: Models and Descriptions**

**Contractors' Specification**


**Indoor/Outdoor Housing**

The housing shall be an environmental camera enclosure offering weather protection to CCTV camera/lens combinations up to 9.0 inches (229 mm) long. The unit shall be available with a sunshield that shall provide protection against UV radiation and corrosion and a 24 VAC, 25 W heater system. The housing and sunshield shall be constructed of heavy-duty aluminum and the window shall be Lexan polycarbonate. One latch and a spring-hinged cover shall be provided. Rainproof elastomer seals and gaskets shall provide protection to the camera/lens assembly. The housing shall accommodate camera/lens assemblies up to 9.0 in. (229 cm) long, 3.5 in. (89 mm) wide, and

3.0 in. (76 mm) high. The housing shall withstand winds up to 80 mph. Exterior dimensions for the basic housing shall not exceed: height, 4.5 in. (114 mm); width, 5.0 in. (127 mm); length, 14.5 in. (368 mm). The weight shall not exceed 3.1 lb (1.4 kg). Exterior dimensions for the housing with sunshield/heater shall not exceed: height, 5.0 in. (127 mm); width, 5.75 in. (146 mm); length, 15.6 in. (396 mm). The weight shall not exceed 4.1 lb (1.9 kg).

The environmental housing shall be Vicon model V9312H, basic housing, and V9312H-HS-24, housing with heater and sunshield.

\*Lexan is a registered trademark of General Electric Corp.

<b>Vicon Product Facts</b>		<b>Model No:</b> V9312H Series	<b>Product Code:</b> Refer to Table 1	<b>SEC: 6</b>	<b>SPEC: V023</b>	<b>REV: 400</b>
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# Technical Information

## ELECTRICAL

### V9312H-HS-24 Only

**Input Voltage:** 24 VAC.

**Power Consumption:** 25 W.

**Heat Equivalent:** 1.4 btu/min (0.36 cal/min).

NOTE: These figures represent the conversion of 100% of the electrical energy to heat. The actual percentage of 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.

**Heater Thermostat:** Closes: 50° F (10° C).  
Opens: 60° F (16° C).

## OPERATIONAL

**Camera Platform:** Adjustable fore and aft.

## MECHANICAL

**External Dimensions:** V9312H  
Length (L): 14.5 in. (368 mm).  
Width (W): 5.0 in. (127 mm).  
Height (H): 4.5 in. (114 mm),  
including connectors.  
V9312H-HS-24  
Length (L): 15.6 in. (396 mm).  
Width (W): 5.75 in. (146 mm).  
Height (H): 5.0 in. (127 mm),  
including connectors.

### Maximum Camera/

**Lens Dimensions:** Length: 9.0 in. (229 mm).  
Width: 3.5 in. (89 mm).  
Height: 3.0 in. (76 mm).

**Weight:** V9312H: 3.1 lb (1.4 kg).  
V9312H-HS-24: 4.1 lb (1.9 kg).

**Construction:** Housing: aluminum, painted light gray.  
Window: 0.125 in. (0.32 mm) thick clear Lexan polycarbonate.\*

**Clear Window Area:** 2.75 in. (W) × 2.6 in. (H)  
(70 mm × 66 mm).

**Cable Access:** Two liquid tight fittings located at bottom of rear base, one compression fitting and one conduit fitting.

**Camera Access:** One latch on back of housing; spring hinge cover.

**Camera Mounting:** Three slots in camera tray.

**Housing Mounting:** Three 1/4-20 tapped holes provided on bottom for mounting and balancing (two must be used).

**Shipping Dimensions:** Height: 5.0 in. (127 mm).  
Width: 6.25 in. (159 mm).  
Length: 16.25 in. (413 mm).

**Shipping Weight:** V9312H: 3.6 lb (1.6 kg).  
V9312H-HS-24: 4.6 lb (2.1 kg).

**Shipping Volume:** 0.3 ft<sup>3</sup> (0.008 m<sup>3</sup>).

## ENVIRONMENTAL

**Ambient Temperature Range:** V9312H-HS-24: -30 to 120° F  
(-35 to 49° C).

**Moisture:** Rainproof elastomer seals and gaskets.

**Wind Resistance:** Up to 80 mph (130 kph).

**Storage Temperature Range:** -40 to 150° F (-40 to 65° C).

**Storage Humidity:** Up to 90% relative, noncondensing.

**NEMA Standard:** 4. Based on engineering evaluation and test. Not tested independently.

**CE Standard:** IP65. Based on engineering evaluation and test. Not tested independently.

**\*NOTE ON POLYCARBONATE WINDOWS:** Lexan polycarbonate plastic is one of the best and strongest of modern plastics. However, virtually all plastics, including polycarbonates, can be etched by exposure to various types of solvents. Do not place this housing in locations where such solvents may be in the air in high concentrations.

