



PRODUCT SPECIFICATION

MODEL: V9317H SERIES

PRODUCT CODE: REFER TO TABLE 1

DESCRIPTION: ENVIRONMENTAL HOUSING

- Weatherproof
- Easy installation and serviceability
- Several configurations available for any need
- Sunshield and blower included
- Lockable



Vicon's Model V9317H series of compact, weatherproof housings is designed for smaller outdoor CCTV applications. Two side latches provide easy access, and a weatherproof seal protects the camera/lens assembly from moisture. A latch with a loop is provided for a padlock, if required. The V9317H accommodates CCTV camera and lens combinations of up to 12.0 inches (30.5 cm) in length.

The V9317H is available in nine versions. All versions of the housing include a protective sunshield and a blower. The V9317HC-SB is created specifically for those installations that do not require a heater. This version does include a factory-installed 120-to-24 VAC camera transformer. A 230 VAC version, Model V9317HC-SB-230 (with transformer) and a 24 VAC version, Model V9317H-SB-24, are also available. The V9317HC-SHB includes the transformer plus a 120 VAC heater. The V9317HC-SHB-230 includes a transformer and a 230 VAC heater. The V9317HC-SHB-24 includes a 24 VAC heater. Model V9317HC-WHB includes a transformer and a 120 VAC wiper and heater. Model V9317HC-WHB-230 includes the transformer and a 230 VAC wiper and heater. Model V9317HC-WHB-24 includes a 24 VAC wiper and heater. Refer to Table 1. Model V9317H is used throughout this manual to refer to all versions of the housing unless specifically stated otherwise.

NOTES	SPEC NO.	REV.	SEC.
SUPERSEDES PRODUCT SPECIFICATION 931-997	931	499	6



V9317H ENVIRONMENTAL HOUSING

TABLE 1
MODELS AND PRODUCT CODES

Model Number	Product Code	Description
V9317HC-SB	6076	120 VAC, blower, sunshield, 24 VAC transformer
V9317HC-SB-230	6076-01	230 VAC, blower, sunshield, 24 VAC transformer
V9317H-SB-24	6076-02	24 VAC, blower and sunshield
V9317HC-SHB	6077	120 VAC, blower, heater, sunshield, 24 VAC transformer
V9317HC-SHB-230	6077-01	230 VAC, blower, heater, sunshield, 24 VAC transformer
V9317H-SHB-24	6077-02	24 VAC, blower, heater and sunshield
V9317HC-WHB	6079	120 VAC, blower, heater, wiper, sunshield, 24 VAC transformer
V9317HC-WHB-230	6079-01	230 VAC, blower, heater, wiper, sunshield, 24 VAC transformer
V9317H-WHB-24	6079-02	24 VAC, blower, heater, wiper, sunshield, 24 VAC transformer

CONTRACTORS' SPECIFICATION

INDOOR/OUTDOOR HOUSING

The housing shall be an environmental camera enclosure offering weather protection to CCTV camera/lens combinations up to 12 inches (30.5 cm) long. Maximum camera height shall be 3.5 in. (8.9 cm) and width 4.25 in. (10.8 cm). The unit shall have a sunshield that shall provide protection against UV radiation and corrosion and a blower as standard. The housing shall provide a latch with a loop for a padlock. The housing shall be available in nine versions, one each for 120 VAC, 230 VAC and 24 VAC input; three versions equipped with heaters, one each for 120 VAC, 230 VAC and 24 VAC input; three versions equipped with heaters and wipers, one each for 120 VAC, 230 VAC, and 24 VAC. A 24-VAC transformer shall be provided for camera power in high-voltage models. The housing and sunshield shall be constructed of heavy-duty aluminum and the window shall be glass for transparency. Two side latches shall be provided. Rainproof elastomer seals and gaskets shall provide protection to the camera/lens assembly. The housing shall withstand winds up to 80 mph (130 kph). Exterior dimensions shall not exceed: height, 5.75 in. (14.6 cm); width, 6.75 in. (17.1 cm); and length, 21.9 in. (55.6 cm). The weight shall not exceed 8 lb (3.6 kg). The environmental housing shall be from the Vicon Model V9317H series.

Product specifications subject to change without notice.
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The housings with heaters are equipped with two pad-type (strip) heaters, totaling 60 watts of heating power. A thermostat automatically turns the heaters on when the temperature drops to 68°F (20°C) and turns them off when the temperature rises above 80°F (27°C). The V9317H withstands winds up to 80 mph with outside temperature ranging from -30 to 120°F (-35 to 49°C).

The blower in the housings is thermostatically-controlled to activate when the temperature in the housing rises above

90°F (32°C) and automatically turns off the blower when the temperature falls below 80°F (27°C). The blower circulates and directs airflow across the window to prevent fogging.

The V9317H housing and protective sunshield are constructed from heavy-duty aluminum with a light-gray finish. The sunshield provides long-term protection from UV radiation and corrosion. The viewing window is made of glass for long lasting transparency. All materials are corrosion-resistant or stainless steel hardware.

TECHNICAL INFORMATION

ELECTRICAL

Input Voltage: Refer to Table 1.

Power Consumption: Refer to Table 2.

Connector: Screw terminal strip.

Transformer: A 24-VAC transformer is provided for camera power in 120 and 230 VAC units.

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

Blower Thermostat: Closes: 90°F (32°C)
Opens: 80°F (27°C).

OPTICAL

Light Loss through Window: Negligible.

OPERATIONAL

Horizontal Adjustment: Adjustable camera platform and mounting plate.

MECHANICAL

External Dimensions: Length (L): 21.9 in. (55.6 cm).
Width (W): 6.75 in. (17.1 cm).
Height (H): 5.75 in. (14.6 cm).

Maximum Camera/Lens Dimensions: Height: 3.5 in. (8.9 cm).
Width: 4.25 in. (10.8 cm).
Length: 12.0 in. (30.5 cm).

Lens Mounting Plate Heater Clearance: 0.25 in. (0.64 cm).

Weight: Approximately 8 lb (3.6 kg).
Wiper units: approximately 10.25 lb (4.6 kg).

Construction: End caps: plastic, light gray.
Housing: aluminum.
Window: 0.125 in. (0.32 cm) thick lime glass.

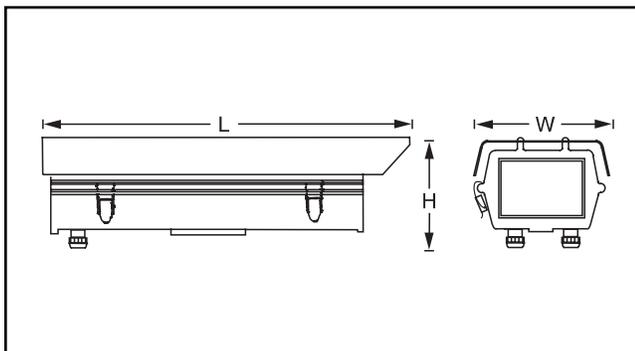


TABLE 2
HEATER AND BLOWER POWER SPECIFICATIONS

Model Number	Input Voltage (VAC)	Current (A)			Power (W, VA)			Heat Equivalent btu/min (cal/min)
		Blower	Heater	Wiper	Heater	Blower	Wiper	
V9317HC-SB	120	0.13	—	—	—	16	—	0.9 (0.23)
V9317HC-SB-230	230	0.07	—	—	—	16	—	0.9 (0.23)
V9317H-SB-24	24	0.7	—	—	—	16	—	0.9 (0.23)
V9317HC-SHB	120	0.13	0.5	—	60	16	—	4.3 (1.1)
V9317HC-SHB-230	230	0.07	0.26	—	60	16	—	4.3 (1.1)
V9317H-SHB-24	24	0.7	2.5	—	60	16	—	4.3 (1.1)
V9317HC-WHB	120	0.13	0.5	0.025	60	16	3	4.5 (1.13)
V9317HC-WHB-230	230	0.07	0.26	0.013	60	16	3	4.5 (1.13)
V9317H-WHB-24	24	0.7	2.5	0.125	60	16	3	4.5 (1.13)

Clear Window Area: 4.0 in. × 2.9 in.
(10.2 cm × 7.4 cm).

Cable Access: Two liquid tight compression fittings located at bottom of rear base.

Camera Access: Two latches on left side of housing.

Housing Mounting: Seven 1/4-20 tapped holes provided on bottom for mounting and balancing (two screws must be used). Adjustable fore and aft. See Figure 1.

Shipping Dimensions: Height: 7.0 in. (17.8 cm).
Width: 8.5 in. (21.6 cm).
Length: 23.6 in. (59.7 cm).

Shipping Weight: 9.2 lb (4.2 kg).
Wiper units: 11.7 lb (5.3 kg).

Shipping Volume: 0.8 ft³ (0.02 m³).

ENVIRONMENTAL

Operating Temperature Range: -30 to 120°F (-35 to 49°C).

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

Storage Humidity: Up to 90% relative, noncondensing.

Moisture: Rainproof elastomer seals and gaskets.

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

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

CE Standard: IP65 (weep holes plugged). Based on engineering evaluation and test. Not tested independently.

Safety Standard: UL pending.

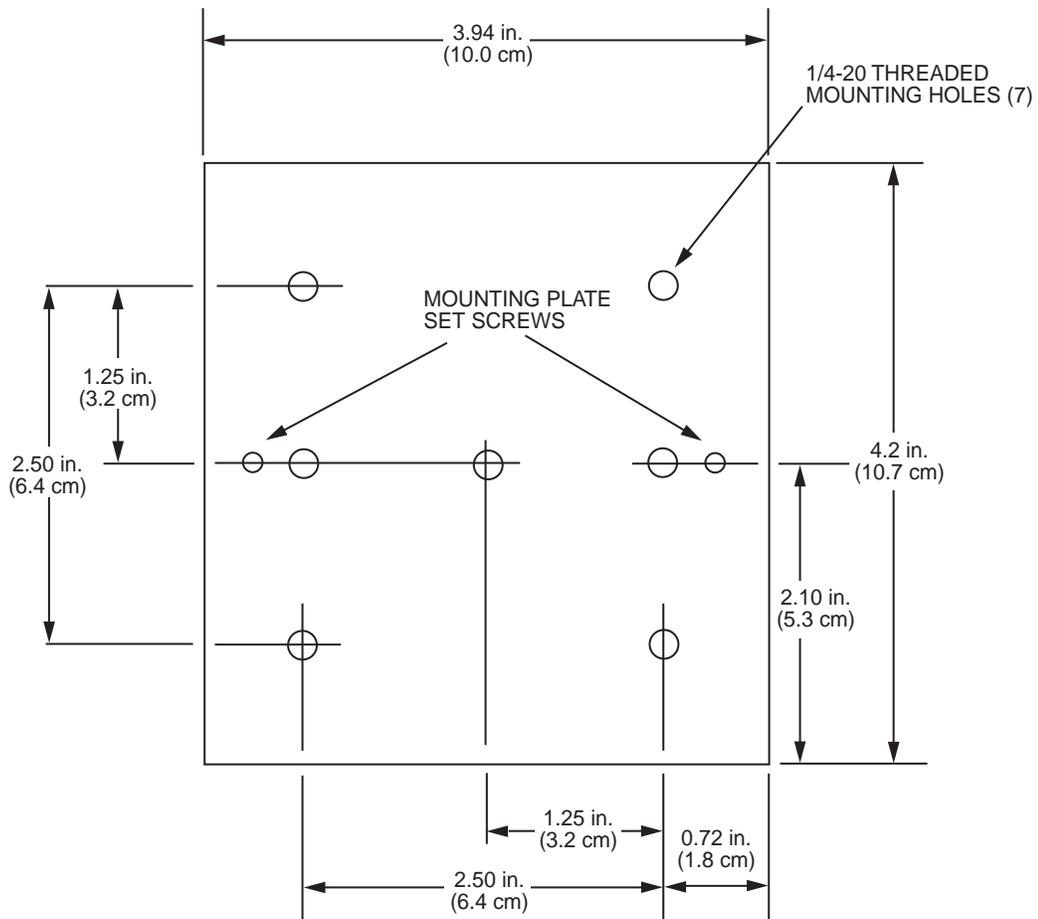


Figure 1
Mounting Diagram

