



# PRODUCT SPECIFICATION

**MODEL:** V894CSH AND V894WSH SERIES

**PRODUCT CODE:** REFER TO TABLE 1

**DESCRIPTION:** CORNER- AND WALL-MOUNTED SECURITY HOUSING WITH CAMERA

- Extremely compact
- Stainless steel or brass-plated construction/finish
- High security
- State-of-the art camera modules
- Monochrome or color
- High-resolution lenses

The V894CSH and V894WSH are integrated housing/camera/lens systems. These high-security housings are available in a number of configurations, based on camera type/television operating system, lens and finish. Refer to Tables 1 and 2. The housings are constructed of heavy-gauge stainless steel with a brushed stainless steel or brass-plated finish and a thick Lexan\* window.

The V894CSH offers a variety of mounting options. It is designed to fit into a corner where two walls and a ceiling meet. It may be fastened to either or both walls or to the ceiling or to the ceiling and one or two walls. The V894WSH is designed for wall mounting. Cable access is provided on one side. The camera requires no adjustments, although it may be tilted slightly to give a higher or lower angle of view.

NOTES	SPEC NO.	REV.	SEC.
	935	1198	2



V894CSH AND V894WSH HOUSINGS

The entire assembly is extremely compact. The housing itself consists of two main assemblies, the outer or front cover and the back corner-mount or wall-mount assembly. The front of the housing is secured to the back of the housing with "snake eye" tamperproof screws. A special tool is supplied in the accessory pack for removing and replacing these screws.

## CONTRACTORS' SPECIFICATION

### HIGH-SECURITY CORNER- OR WALL-MOUNTED HOUSING WITH BUILT-IN CAMERA

The housing shall be a high-security corner- or wall-mounted unit. It shall be constructed of stainless steel and steel and the window shall be Lexan polycarbonate; the finish shall be brushed stainless steel or brass plated. The construction shall provide protection from radio frequency (RF) interference. The housing shall have tamperproof screws. The housing shall be provided with a built-in camera/lens. NTSC and PAL versions shall be available. Four versions of each type shall be available: a high-resolution monochrome camera with a 2.8 mm lens; a general purpose color camera with a 2.8 mm lens; a high-resolution monochrome camera with a 4 mm lens and a general purpose color camera with a 4 mm lens. The maximum dimensions for the housing shall be: height, 4.0 in. (10.2 cm); width, 4.0 in. (10.2 cm); depth of corner-mounted version, 4.75 in. (12.1 cm); depth of wall-mounted version, 4.25 in. (10.3 cm). The maximum weight of the housing shall be 2.0 lb (0.9 kg).

The corner-mount housing shall be Vicon models V894CSH-2.8HB, V894CSH-4HB, V894CSH-2.8C, and V894CSH-4C (stainless steel) or V894CSH-2.8HB-B, V894CSH-4HB-B, V894CSH-2.8C-B, and V894CSH-4C-B (brass plated); the wall-mount housing shall be Vicon model V894WSH-2.8HB, V894WSH-4HB, V894WSH-2.8C, and V894WSH-4C (stainless steel) or V894WSH-2.8HB-B, V894WSH-4HB-B, V894WSH-2.8C-B, and V894WSH-4C-B (brass plated).

Product specifications subject to change without notice.

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Vicon part number 8006-7935-00-00

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**TABLE 1  
MODELS, PRODUCT CODES, AND DESCRIPTIONS**

Model Number		Product Code		Description
NTSC	PAL	NTSC	PAL	
<b>Corner-Mounted</b>				
V894CSH-2.8HB	V894CSH-2.8HBC	6193-04	6193-03	High-resolution monochrome camera, 2.8 mm lens, brushed stainless steel finish
V894CSH-4HB	V894CSH-4HBD	6194-04	6194-03	High-resolution monochrome camera, 4 mm lens, brushed stainless steel finish
V894CSH-2.8C	V894CSH-2.8CC	6151-04	6151-03	General purpose color camera, 2.8 mm lens, brushed stainless steel finish
V894CSH-4C	V894CSH-4CC	5807-04	5807-03	General purpose color camera, 4 mm lens, brushed stainless steel finish
V894CSH-2.8HB-B	V894CSH-2.8HBC-B	6197-04	6197-03	High-resolution monochrome camera, 2.8 mm lens, brass-plated finish
V894CSH-4HB-B	V894CSH-4HBC-B	6198-04	6198-03	High-resolution monochrome camera, 4 mm lens, brass-plated finish
V894CSH-2.8C-B	V894CSH-2.8CC-B	6204-04	6204-03	General purpose color camera, 2.8 mm lens, brass-plated finish
V894CSH-4C-B	V894CSH-4CC-B	6069-04	6069-03	General purpose color camera, 4 mm lens, brass-plated finish
<b>Wall-Mounted</b>				
V894WSH-2.8HB	V894WSH-2.8HBC	6207-04	6207-03	High-resolution monochrome camera, 2.8 mm lens, brushed stainless steel finish
V894WSH-4HB	V894WSH-4HBC	6208-04	6208-03	High-resolution monochrome camera, 4 mm lens, brushed stainless steel finish
V894WSH-2.8C	V894WSH-2.8CC	6209-04	6209-03	General purpose color camera, 2.8 mm lens, brushed stainless steel finish
V894WSH-4C	V894WSH-4CC	5840-04	5840-03	General purpose color camera, 4 mm lens, brushed stainless steel finish
V894WSH-2.8HB-B	V894WSH-2.8HBC-B	6212-04	6212-03	High-resolution monochrome camera, 2.8 mm lens, brass-plated finish
V894WSH-4HB-B	V894WSH-4HBC-B	6213-04	6213-03	High-resolution monochrome camera, 4 mm lens, brass-plated finish
V894WSH-2.8C-B	V894WSH-2.8CC-B	6214-04	6214-03	General purpose color camera, 2.8 mm lens, brass-plated finish
V894WSH-4C-B	V894WSH-4CC-B	6073-04	6073-03	General purpose color camera, 4 mm lens, brass-plated finish

## TECHNICAL INFORMATION

### ELECTRICAL

Input Voltage: 12 VDC.

Connectors: Power: 3-pin removable screw terminal block.  
Video: BNC.

### MECHANICAL

External Dimensions: Height (H): 4.0 in. (10.2 cm).  
Width (W): 4.0 in. (10.2 cm).  
Depth (D): V894CSH: 4.75 in. (12.1 cm).  
V894WSH: 4.25 in. (10.28 cm).

### OPERATIONAL

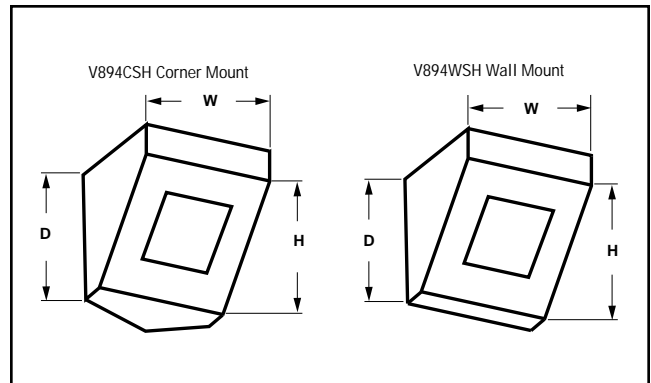
Tilt Adjustment: Camera mounting bracket provides limited tilt adjustment for centering lens in window.

Horizontal Adjustment: None.

### OPTICAL

Light Loss through Window: Negligible.

Camera Specifications: Refer to Table 2.



Weight:	2.0 lb (0.91 kg).	<b>ENVIRONMENTAL</b>	
Construction:	Housing: Stainless steel and steel. Window: Lexan polycarbonate plastic.	Operating Temperature Range:	32 to 122° F (0 to 50° C).
Finish:	Brushed stainless steel or brass-plated.	Operating Humidity Range:	0 to 90% relative, noncondensing.
Closure:	Cover secured in place by tamper-proof screws.	Storage Temperature Range:	-20 to 140° F (-29 to 60° C).
Housing Mounting:	V894CSH: Housing designed to mount into 90° corner. V894WSH: Housing designed to mount to wall or vertical surface. A variety of mounting holes, 0.22 in. (0.56 cm), are provided for mounting. At least four holes should be used. Mounting hardware inaccessible to tampering.	Storage Humidity Range:	0 to 85% relative, noncondensing.
Camera Mounting:	Camera module is built in.		

**TABLE 2  
CAMERA/LENS SPECIFICATIONS**

Technical Characteristics	Model Number			
	V894CSH/WSH-2.8HB Series	V894CSH/WSH-4HB Series	V894CSH/WSH-2.8C Series	V894CSH/WSH-4C Series
<b>Lens Focal Length</b>	2.8 mm fixed-focal-length	4 mm fixed-focal-length	2.8 mm fixed-focal-length	4 mm fixed-focal-length
<b>Image Sensor Format</b>	1/3 inch	1/3 inch	1/3 inch	1/3 inch
<b>Image Sensor Type</b>	interline transfer CCD	interline transfer CCD	interline transfer CCD	interline transfer CCD
<b>Pixel Array</b>	771 H × 492 V (EIA) 753 H × 582 V (CCIR)	771 H × 492 V (EIA) 753 H × 582 V (CCIR)	512 H × 492 V (NTSC) 512 H × 582 V (PAL)	512 H × 492 V (NTSC) 512 H × 582 V (PAL)
<b>TV System</b>	EIA/CCIR Standard; 2:1 interlace	EIA/CCIR Standard; 2:1 interlace	NTSC/PAL Standard; 2:1 interlace	NTSC/PAL Standard; 2:1 interlace
<b>Monochrome/Color</b>	monochrome	monochrome	color	color
<b>Horizontal Resolution</b>	580 lines	580 lines	330 lines	330 lines
<b>Sensitivity</b>	0.009 fc (0.1 lux)	0.009 fc (0.1 lux)	0.09 fc (1 lux)	0.09 fc (1 lux)
<b>Signal-to-Noise Ratio</b>	>50 dB (AGC off)	>50 dB (AGC off)	> 46dB (AGC off)	>46 dB (AGC off)
<b>Sync System</b>	internal	internal	internal	internal
<b>Video Output</b>	Composite video, 1.0 V p-p	Composite video, 1.0 V p-p	Composite video, 1.0 V p-p	Composite video, 1.0 V p-p
<b>White Balance Control</b>	NA	NA	Automatic TTL (3000 - 7000K)	Composite video, 1.0 V p-p
<b>Automatic Electronic Linear Shutter</b>	1/60 - 1/100,000 sec (EIA) 1/50 - 1/100,000 sec (CCIR)	1/60 - 1/100,000 sec (EIA) 1/50 - 1/100,000 sec (CCIR)	1/60 - 1/100,000 sec (EIA) 1/50 - 1/100,000 sec (CCIR)	1/60 - 1/100,000 sec (EIA) 1/50 - 1/100,000 sec (CCIR)
<b>Power Consumption</b>	130 mA	130 mA	180 mA	180 mA
<b>Horizontal Field of View</b>	120°	85°	120°	81°