

## V894CSH High Security Indoor Camera Series




- Integrated housing, camera and lens is ideal for harsh environments where camera may be subjected to vandalism and attack
- Choice of lenses to match range to your application
- On-screen menus with innovative joystick control make setup and operation easy
- Privacy masking provides the ability to mask out selected regions of the scene
- Highlight Mask Exposure feature masks bright spots in a scene providing better overall clarity
- 560 TV lines provide excellent resolution and high-quality images
- Digital Noise Reduction improves image quality in low-light environments
- Corner ceiling mounting provides additional security

The V894CSH series of fixed-position cameras offer a compact, highly secure camera and lens combination contained in a rugged stainless-steel enclosure with a polycarbonate plastic window. A choice of 3.3-12 mm and 2.6-6 mm lenses are offered to suit various viewing ranges. NTSC and PAL versions are available.

### Camera and Optics Provide Outstanding Performance and Value

The V894CSH camera module is a 1/3-inch color CCD device with a resolution of 560 TV lines. The V894CSH offers several premium features such as: DNR, privacy masking and highlight mask exposure, while maintaining an extremely attractive price point.

### Durable Construction and Easy Installation

The stainless steel housing and polycarbonate plastic window ensure that the V894CSH is built to withstand the toughest environments and abuse. Tamper-resistant screws make the unit resistant to vandalism as well. The corner mount configuration also protects the unit by making unauthorized access difficult.

The V894CSH is designed for easy installation. The extensive on-screen display menus allow set up of white balance, AGC, backlight compensation, exposure, privacy masks and many other functions.

The camera position is adjustable, allowing for adjustment of pan (360°), tilt (70° from vertical) and rotation about its axis (roll/azimuth), for any angle of view required. The lens zoom and focus can be easily adjusted. The camera accepts 12 VDC/24 VAC input.

### Ordering Information

Type	Application	Lens	Model Number
Color	Indoor	3.3-12 mm	V894CSH-C312
		2.6-6 mm	V894CSH-C26

For PAL models add a -P to the Model Number. For example: V894CSH-C312-P.

## Camera and Optics

<b>Image Device:</b>	1/3-inch color CCD
<b>Picture Elements:</b>	NTSC: 811 (H) x 508 (V), 410,000 pixels. PAL: 795 (H) x 596 (V), 470,000 pixels.
<b>Sensitivity:</b>	0.01 fc (0.14 lux) with f/1.2 lens at 30 IRE.
<b>Video Output:</b>	1.0 V p-p @75 ohms, composite.
<b>Horizontal Resolution:</b>	560 TV lines.
<b>S/N Ratio:</b>	50 dB (AGC off).
<b>Synchronization:</b>	Internal/External.
<b>Automatic Gain Control (AGC):</b>	Selectable: Off, Low, Middle, High.
<b>Backlight Compensation:</b>	On/Off.
<b>Flickerless:</b>	On/Off.
<b>Privacy Mask:</b>	6 zones/size.
<b>Sense Up:</b>	Off/Auto (X2 - X256).
<b>Digital Noise Reduction:</b>	Selectable: Off, Low, Middle, High.
<b>Iris Control:</b>	Automatic.
<b>White Balance:</b>	Automatic/Manual, Red/Blue Gain Level.
<b>Shutter Speed:</b>	NTSC: 1/60-1/100,000 sec. PAL: 1/50-1/100,000 sec.
<b>Focal Length :</b>	3.3-12 mm or 2.6-6 mm varifocal.
<b>Aperture:</b>	f/1.2.
<b>Field of View:</b>	3.3-12 mm: Horizontal: 83.9°-23.91°. Vertical: 61.9°-17.93°. 2.6-6 mm: Horizontal: 106°-47.6°. Vertical: 78.2°-35.8°

## Electrical

<b>Input Voltage:</b>	12 VDC (11-20 VDC) or 24 VAC (20-27 VAC) isolated.
<b>Current:</b>	0.11 A nominal @ 12 VDC. 0.18 A nominal @ 24 VAC.
<b>Power Consumption:</b>	1.3 W nominal @ 12 VDC. 2.1 W nominal @ 24 VAC.
<b>Connectors:</b>	Power: 2-pin connector. Video: BNC on pendant cable.
<b>Certifications:</b>	CE and FCC Class A.

## Operational

<b>Control Display:</b>	On-screen, menu-driven system allowing full configuration of the camera.
<b>Tilt and Horizontal Adjustment:</b>	3 axis adjustment: tilt, vertical height and roll.
<b>Lens Adjustment:</b>	Focus: focus lever screw. Zoom: zoom lever screw.

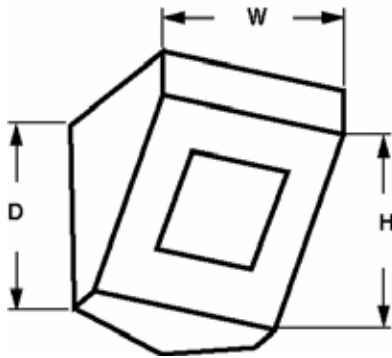
## Mechanical

<b>Application:</b>	Indoor.
<b>Dimensions:</b>	Height (H): 4.5 inches (114 mm). Width (W): 4 inches (102 mm). Depth (D): 3.5 inches (89 mm).
<b>Weight:</b>	2.75 lb (1.2 kg)
<b>Construction:</b>	Brushed stainless steel with polycarbonate plastic window.

## Environmental

<b>Operating Temperature Range:</b>	32 to 122° F (0 to 50° C).
<b>Operating Humidity Range:</b>	Up to 90% relative, non-condensing.
<b>Storage Temperature Range:</b>	-40 to 150° F (-40 to 65° C).

## Dimensional Data



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