

SN693V OUTDOOR PTZ NETWORK CAMERA



Product at a Glance

- ▶ 1080P (1920x1080P) day/night camera
- ▶ H.265, H.264 and M-JPEG compression formats
- ▶ 23X optical zoom
- ▶ Min. illumination: Color 0.35 lux, B/W: 0.013 lux
- ▶ True WDR (120 dB)
- ▶ Video Content Analysis (VCA): Tampering, defog, and object detection functions; Museum Search
- ▶ IR illumination
- ▶ Supports local recording to Micro-SD card
- ▶ Powered by 12 VDC and PoE+
- ▶ ONVIF compliant
- ▶ Outdoor; IP66 and IK10 rated

Description

The Cruiser™ SN693V PTZ camera dome includes a 1080P high-resolution camera/lens combination that provides video transmission over a network. The camera provides quad-streaming video and supports H.265/H.264 compression technology, drastically reducing file sizes and conserving valuable network bandwidth.

Construction and Installation

The SN693V is designed for easy installation. The dome camera can be surface mounted. Several mounting accessories are available to fit almost any installation need. Refer to the Accessories table for mounting options.

The lower dome is constructed of impact-resistant polycarbonate and is secured by tamperproof screws, providing anti-vandal security.

Camera Optics and PTZ Features

The SN693V includes an integral true day/night camera and lens. A 5-117 mm varifocal lens with an optical 23X zoom provides superb sharpness and excellent sensitivity. The day/night camera utilizes a 1/2.8" Sony Exmor CMOS sensor, which can provide quality imaging down to 0.35 lux. True Wide Dynamic Range (WDR) improves detail in bright or low light areas of the image and DNR corrects imperfections in the image to provide a clearer image. A Micro-SD memory slot is provided for local recording with removable storage.

The camera provides a full 360° continuous rotation and a -5° to 90° tilt range. 256 programmable presets are provided, as well as 8 tours, four alarm inputs and one alarm output. The camera provides many other programmable features such as video analytics, privacy masking, and 2-way audio.

Descriptions and Models

Housing	Mount	Model
Outdoor	Surface Mount	SN693V

Accessories

Accessories	Description	Model Number
	Indoor or outdoor wall-mount arm	V670-HDB243
	Pipe Adapter	V670-HDA202-1
	Wall Mount	V670-WM
	Backbox/Pendant Mount Box	V670-BOX/ V670-PMB

Accessories

	Description	Model Number
	Pendant Mount	V670-PM
	Adapter Plate for HDB243	V670-HCM155
	Corner Mount ¹	V670-HCM150
	Pole Mount ¹	V670-HCM151
	Adapter Plate; for corner or pole mounting	V670-HCM154

1. These accessories are connected with the V670-HDB243 adapter plate.

SPECIFICATIONS

Network Video Transmission

Compression:	H.265 (MP), H.264 (BP/MP/HP), M-JPEG
Resolution:	1920x1080p (full HD), 1440x1080, 1280x1024/720, 1024x768, 800x600/480, D1, 640x480, 400x240, CIF
Frame Rate:	Max 30/25fps
Multiple Streaming:	Quad Stream (3x H.265/H.264 and 1x M-JPEG)
Video Streams:	10 concurrent (live) max; 3 (playback)
Protocols:	IPv4/IPv6, TCP/IP, UDP, HTTP, RTP, RTSP, QoS, DHCP, uPnP, ARP, HTTPS, RTCP, FTP, Zeroconf, Bonjour
Ethernet:	10/100Base-T

Electrical

Input Voltage:	HPoE, 12 VDC
Current:	420 mA @ PoE, 1.8 A @ 12 VDC
Power Consumption:	22 W
Power over Ethernet:	802.3af Class 3
Certifications:	CE; FCC Class A

Operational

Pan Range:	360° continuous
Pan Speed (Max):	Preset: 380°/sec
Tilt Range:	-5 - 90°
Tilt Speed (Max):	Preset: 380°/sec
Variable Speed:	0.1°/sec to 380°/sec
Preset Capability:	256 programmable
Tour Capabilities:	8 tours available; 100 presets per tour
Alarm Capabilities:	4 alarm input, programmable NC/NO 1 alarm output
Audio Capability:	1 audio in; 1 audio out (G.711); 2-way streaming
Language Menu:	English, French, Russian, Korean, Chinese
Security:	Password protection, IP filtering, HTTPS, SSL
Local Recording:	Micro-SD slot provided; customer supplied SD card

Camera and Optics

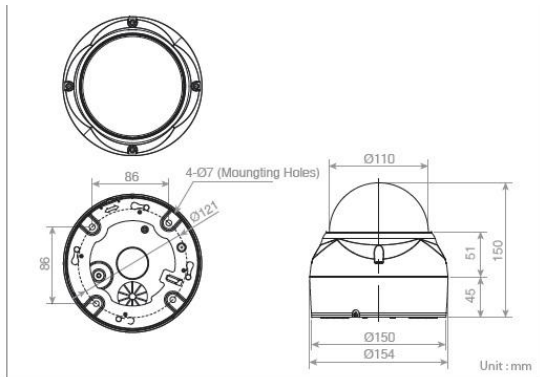
Image Device:	1/2.8" Sony Starvis CMOS progressive scan
Sensitivity:	Color: 0.35 lux, B&W: 0.013 lux @50IRE
Gain Control:	Automatic/Manual
Day/Night:	True day/night (IR cut filter)
Backlight Compensation:	On/Off
Wide Dynamic Range:	On/Off; 120 dB
Iris Control:	Automatic/Manual
Digital Noise Reduction:	On/Off (2DNR/3DNR)
Video Focus:	Automatic/Manual
White Balance:	Automatic/Manual; Red/Blue adjustable
Privacy Masks:	16 windows.
Motion Detection:	16 windows (8 include/8 exclude)
Electronic Shutter Speed:	1 sec - 1/10,000 sec; manual
Focal Length:	5 - 117 mm
Optical Zoom Ratio:	23X
Horizontal Angle of View:	56.6° - 3°
IR Illumination:	4 IR LEDs; up to 196 ft (60 m)
Video Content Analysis (VCA):	Tampering, motion detection, intrusion detection, defog, flip. Museum Search.

Mechanical

Mounting:	Surface mount
Construction:	Aluminum, steel and plastic; tamperproof screws
Weatherproof:	IP66 compliance
Dimensions:	H: 8.2 in. (208.3 mm); Diam: Ø7.2 in. (182.4 mm)
Weight:	6.2 lb (2.8 kg)

Environmental

Operating Temperature Range:	-4 to 140° F (-20 to 60° C)
Operating Humidity Range:	Up to 90% relative, non-condensing.



Data Sheet Number: V249-35-02

Vicon Data Sheet Part Number: 8009-7249-35-02

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Specifications subject to change without notice.

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