**Description**

The Cruiser™ SN663V-B PTZ camera dome includes a 1080P high-resolution camera/lens combination that provides video transmission over a network. The camera provides triple-streaming video and supports H.264 compression technology, drastically reducing file sizes and conserving valuable network bandwidth.

**Construction and Installation**

The SN663V-B is designed for easy installation. The dome can be surface mounted.

The lower dome is constructed of impact-resistant polycarbonate and is secured by tamperproof screws, providing anti-vandal security. Several mounting accessories are available to fit almost any installation need. Refer to the Accessories table for mounting options.

**Product at a Glance**

- 1080P (1920x1080P) day/night camera
- H.264 and M-JPEG compression formats
- 20X optical zoom and 16X digital zoom
- Minimum illumination: Color 0.35 lux, B/W: 0.013 lux
- True WDR (120 dB), DIS (Digital Image Stabilization), tampering, defog, and object detection function
- Supports local recording to Micro-SD card
- Powered by 12 VDC/24 VAC and PoE
- ONVIF (Profile-S) compliant
- Outdoor; IP66 rated

**Camera Optics and PTZ Features**

The SN663V-B includes an integral true day/night camera and lens. A 4.7-94 mm varifocal lens with an optical 20X zoom provides superb sharpness and excellent sensitivity. The day/night camera is utilizes a 1/2.8” Sony Exmor CMOS sensor, which can provide quality imaging down to 0.35 lux. 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 360º continuous rotation and a 0º to 180º 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, image stabilization, and 2-way audio.

**Accessories**

<table>
<thead>
<tr>
<th>Description</th>
<th>Model Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indoor or outdoor wall-mount arm</td>
<td>V660-HDB243</td>
</tr>
<tr>
<td>Indoor or outdoor wall-mount arm¹</td>
<td>V660-HDB242-VS8</td>
</tr>
<tr>
<td>In-ceiling mount</td>
<td>V660-HCS300</td>
</tr>
<tr>
<td>Adapter Plate for HDB242</td>
<td>V660-HCM154</td>
</tr>
<tr>
<td>Heater</td>
<td>S660-HAH (requires 24 VAC to camera)</td>
</tr>
<tr>
<td>Corner Mount¹</td>
<td>V660-HCM150</td>
</tr>
<tr>
<td>Pole Mount¹</td>
<td>V660-HCM151</td>
</tr>
</tbody>
</table>

¹ These accessories are connected with the HDB242 adapter plate.
### Specifications

**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 (3DNR)
- **Video Focus**: Automatic/Manual
- **Image Stabilization**: On/Off
- **White Balance**: Automatic/Manual; Red/Blue adjustable
- **Privacy Masks**: 8 windows.
- **Motion Detection**: 16 windows (8 include/8 exclude)
- **Electronic Shutter Speed**: 1/3 - 1/30,000; manual
- **Digital Zoom**: 16X
- **Focal Length**: 4.7 - 94 mm
- **Optical Zoom Ratio**: 20X
- **Horizontal Angle of View**: 55.5° - 3°

**Network Video Transmission**

- **Compression**: H.264 (BP/MP/HP), M-JPEG
- **Resolution**: 1920 x 1080p (full HD), 1280x1024 (SXVGA), 1280x720/960 (HD), 704x576/480 (D1), 640x360/480, 320x240
- **Frame Rate**: 1080P @ 60/50fps (dual stream), 30/25fps (triple stream)
- **Multiple Streaming**: Triple Stream (2x 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
- **Input Voltage**: PoE, 12 VDC, 24 VAC ±10%
- **Current**: 0.25 A @ PoE, 1.1 A @ 12 VDC/24 VAC.
- **Power Consumption**: 12 W
- **Power over Ethernet**: 802.3af Class 3
- **Certifications**: UL, CE, FCC Class A

**Operational**

- **Pan Range**: 360° continuous
- **Pan Speed (Max)**: Preset: 380°/sec
- **Tilt Range**: 0 - 180°, digital flip
- **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
- **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

**Environmental**

- **Mounting**: Surface mount
- **Construction**: Aluminum, steel and plastic; tamperproof screws
- **Weatherproof**: IP66 compliance
- **Dimensions**: H: 5.9 in. (150 mm); Diam: Ø6.1 in. (154 mm)
- **Dome diameter**: 4.3 in. (110 mm)
- **Weight**: 3.5 lb (1.6 kg)
- **Temperature Range**: -4 to 140° F (-20 to 60° C) (without heater accessory) (10W heater accessory lowers temperature range to -40° F/-40° C)
- **Humidity Range**: Up to 90% relative, non-condensing

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Specifications subject to change without notice.

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