SNC-WR632C
Network Rapid Dome Full HD Camera - W Series

Outdoor Unitized 1080p/60 fps Rapid Dome Camera
Powered by IPELA ENGINE™ PRO Technology

- Maximum resolution of 1920 x 1080 pixels with the Exmor® CMOS sensor
- Powerful 30x optical zoom capability
- Dynamic range equivalent to 130 dB in Full HD mode achieved with View-DR® technology
- Industry-leading levels of panning performance with a pan speed of 700°/s
- Above horizon tilt of 20°, for a total of 220 degrees tilt capability
- Gyroscopic Image Stabilizer
- SD Card slot for on board storage
- High frame rate of 60 frames per second (fps)
- IK10-rated vandal-resistant and IP66-rated water-resistant/dust-tight features
- Highlight Compensation (HLC) - inverts bright objects in a scene to black for better visibility

KEY FEATURES

- IPELA ENGINE PRO signal processing system developed based on Sony’s unique signal processing and intelligent video analytics technologies to provide unique features such as a high frame rate, View-DR, XDNR®, DEPA™ Advanced Intelligent Video Analytics, Gyroscopic Image Stabilizer, Focal Plane Distortion Correction, and Defog Image Processing
- Industry’s leading 30x optical zoom capability to shoot various scenes over an extremely wide area, allowing capture of high-resolution images even from a great distance
- View-DR – Sony’s innovative wide dynamic range technology – to capture objects clearly and adaptively even under very harsh, severe backlight or highlight conditions
- Gyroscopic Image Stabilizer to help minimize the effect of camera shake or vibration, reducing image blur
- Focal Plane Distortion Correction technology to correct any image distortion generated in a scene by the CMOS sensor focal plane phenomenon
- DEPA Advanced Intelligent Video Analytics to trigger an alarm based on user-defined rules such as passing (virtual border)
- Visibility Enhancer (VE) technology optimizes contrast and makes a scene more visible. It’s ideal for scenes where objects are hard to recognize due to severe backlight or shadows. VE optimizes the brightness and color reproduction of an image dynamically on a pixel-by-pixel basis while continuously adapting to the scene
- XDNR (eXcellent Dynamic Noise Reduction) technology for clear images with virtually no motion blur under low-light conditions
- High frame rate of 60 fps to provide smoother and less blurry moving pictures
- Defog Image Processing feature to help increase image visibility in poor weather conditions such as rain, fog, or smog

* The image on the right is produced with the camera’s Defog Image Processing feature, after the camera shot this application photo as its subject.

- IK10-rated vandal-resistant feature to protect the camera from destructive behaviors
- IP66-rated water-resistant and dust-tight feature for outdoor surveillance, or for indoor use where water ingress may pose an issue
- Picture mode feature allows users to easily adjust camera settings based on scene requirements
- True D/N (Day/Night) function to switch to Day or Night mode depending on the light level
- VBR (variable bitrate) capable of maximum bitrate setting or CBR (constant bitrate) compression mode selectable to correspond with various network conditions
- Edge Storage function to record video and audio data with an SD/SDHC card attached to the camera
- Easy initial network settings by supplied SNC Easy IP Setup Guide application
- Smartphone viewer to display an image of the camera on the smartphone’s screen and control the camera’s pan, tilt, and zoom functions by simple touch-panel manipulation
- ONVIF™ (Open Network Video Interface Forum) Profile S conformance firmware that ensures greater interoperability and more flexibility in building multi-vendor systems
- Highlight Compensation - bright areas are turned to black or a dark gray for better visibility of a scene
**SPECIFICATIONS**

**Camera**

- **SNC-WR632C**
- **Image Sensor**: 1/3-type progressive scan Exmor CMOS sensor
- **Number of Effective Pixels**: Approx. 1.38 Megapixels
- **Signal system**: NTSC (switchable)
- **Maximum Resolution**: 1920 x 1080
- **Minimum Illumination**:
  - Color: 0.03 lx (F1.6, View-DR OFF, VE OFF, AGC ON, 1/60 s, 30 fps)
  - B/W: 0.002 lx (F1.6, View-DR OFF, VE OFF, AGC ON, 1/30 s, 30 fps)
- **Minimum Illumination**: 0.0001 lx (F1.6, View-DR OFF, VE OFF, AGC ON, 1/30 s, 30 fps)
- **Dynamic Range**: Equivalent to 80 dB with View-DR technology
- **S/N Ratio**: More than 50 dB
- **White Balance**: Auto (Auto Manual)
- **Exposed Control**: Full auto, Manual, Manual (free viewer only)
- **Exposure**: AUTO
- **Auto Focus**: Yes
- **Zoom Ratio**: Optical zoom 2.3X, Digital zoom 40X
- **Power Focus**: Yes
- **Horizontal Viewing Angle**: 67.9° to 2.3°
- **Total zoom**: 360x
- **Focus Range**: 1.75 m to 12 m
- **F-Number**: F1.6 to F4.7
- **Focal Length**: 3.5 mm to 56 mm
- **Video**: TV System: NTSC 60 Hz, NTSC 50 Hz
- **Picture Mode**: 4 modes

**Dimensions**

- **Unit**: inches (mm)
- **Unit**: ø8 3/4 inches x 12 7/8 inches (ø222.0 mm x 324.1 mm)
- **Weight**: Approx. 9 lb 0.6 oz (4.1 kg)
- **Dimensions (W x H x D)**: ø8 3/4 inches x 12 7/8 inches (ø222.0 mm x 324.1 mm)
- **Camera**: 4 1/16 inches x 4 15/16 inches x 3 15/16 inches (103.3 mm x 125.2 mm x 98.7 mm)

**System Requirements**

- **Operating System**: Windows XP (32-bit) Professional Edition
- **Processor**: Intel Core 2 Duo or higher
- **Memory**: 2 GB or more
- **Web Browser**: Microsoft Internet Explorer® 8.0, Firefox 8.0, Safari 5.0, Opera 11.5
- **Audio Input**: Line Input (Sensor Input)
- **Audio Output**: Line Output
- **Network Compatibility**: IPv6, TCP, UDP, ARP, ICMP, SNMP*, HTTP, HTTP DNS, XML, FTP, RTSP
- **Network Protocols**: IPv4, TCP, UDP, ARP, ICMP, SNMP*, HTTP, HTTP DNS, XML, FTP, RTSP
- **Network Interface**: 1BASE-T/10/100BASE-TX
- **Video Output**: 1/4/8/16-pin terminal (HD-SDI)
- **Video Compression**: H.264: 60 fps (1920 x 1080)

**Supplied Accessories**

- **Connection cord (with BNC) (1)
- **Band mount (1)
- **Harness band (1)
- **I/O harness 14-pin (1)
- **Power supply connector 3-pin (1)
- **Bolts (2)
- **Wire bracket (1)
- **Wire-fixing belt (1)
- **Top sunshade (1)
- **Installation Manual (1)
- **Installation Manual**: Sony IP Surveillance Viewer 2.6

**Optional Accessories**

- **UNI-WMB3**: Panel Mount Bracket 28
- **UNI-RMB2**: Low Profile Wall Mount Bracket 19

**Weights and dimensions are approximate.**

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