SNC-VM632R

Network Mini Dome Full HD Camera - V Series

Outdoor IR Ruggedized 1080p/60fps Camera Powered by IPELA ENGINE[™] EX Technology

- Maximum resolution of 1920 x 1080 pixels with the Exmor[®] CMOS sensor
- Extremely Wide Dynamic Range to 90dB achieved with View-DR[®] technology
- Minimum illumination of 0 lx in B/W (IR illuminator: ON) and 0.1 lx in Color (50 IRE @1/30 sec)
- High frame rate of 60 frames per second (fps)
- Picture mode to help optimize picture quality in various applications
- H.264 (High/Main/Baseline Profile)/JPEG video codecs
- Operating temperature ranging from -40°F to +140°F (-40°C to +60°C)
- IK10-rated vandal-resistant and IP66-rated water-resistant/ dust-tight features
- Image Stabilizer to help minimize the effect of camera shake or vibration to achieve less blurry images

KEY FEATURES

frame rate, View-DR®, XDNR®, and DEPA™ Advanced technologies

- IPELA ENGINE™ EX signal processing system developed based on Sony's unique signal processing and intelligent video analytics technologies to provide unique features such as a high
 - ΙΡΕLΛ ENGINE EX
- Built-in IR (infrared) illuminators to assist capturing objects in the dark even under 0 lx, up to 98 feet (30 m) (50 IRE) away
- · View-DR Sony's innovative wide dynamic range technology to capture objects clearly and adaptively even under very harsh, severe backlight or highlight conditions



OFF



- Advanced IR technology to provide high-quality IR images without overexposure by using View-DR technology
- Visibility Enhancer (VE) to optimize the brightness and color reproduction of an image dynamically on a pixel-by-pixel basis while continuously adapting to the scene within the given dynamic range
- DEPA Advanced Intelligent Video Analytics to trigger an alarm based on user-defined rules



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· XDNR (eXcellent Dynamic Noise Reduction) technology for clear images with virtually no motion blur under low illumination





Actual Images

- High frame rate of 60 fps to provide smoother and less blurry moving pictures
- IK10-rated vandal-resistant feature to help protect the camera from destructive behaviors
- · IP66-rated water-resistant and dust-tight feature for outdoor surveillance and indoor where water ingress may pose an issue
- Picture mode selectable from a range of camera scenes in the setting menu to optimize picture quality in various applications
- True D/N (Day/Night) function to switch to Day or Night mode depending on the light level
- VBR (variable bitrate) or CBR (constant bitrate) compression mode selectable to correspond with various network conditions
- · Edge Storage function to record video and audio data with a micro SD/SDHC card attached to the camera
- · Image Stabilizer to help minimize the effect of camera shake or vibration to achieve less blurry images
- Easy Focus allows installer/user to focus the camera remotely using a PC or locally
- · Easy Zoom allows installer/user to change field of view locally or remotely using a PC
- · Easy initial network settings with supplied SNC Easy IP Setup Guide application
- Powered by either IEEE 802.3af/IEEE 802.3at-compliant (PoE/PoE+), AC 24 V ±20%, or DC 12 V ±10% for easy installation
- Built-in HTML viewer compatible with most Smartphones
- ONVIF[™] (Open Network Video Interface Forum) Profile S conformance software that ensures greater interoperability and more flexibility in building multiple-vendor systems



SPECIFICATIONS

| | SNC-VM632R |
|--|--|
| Camera | |
| Image Sensor | 1/2.9-type progressive scan Exmor CMOS sensor |
| Number of Effective Pixels | Approx. 2.14 Megapixels |
| Signal System | NTSC |
| Sync System | Internal synchronization |
| Minimum Illumination (50 IRE) | Color: 0.1 Ix (F1.2, View-DR OFF, VE OFF, AGC ON, 1/30 s, 30 fps) |
| | B/W: 0 lx (IR illuminator ON) |
| Minimum Illumination (30 IRE) | Color: 0.06 lx (F1.2, View-DR OFF, VE OFF, AGC ON, 1/30 s, 30 fps) |
| win inflatt indifficient (66 inte) | B/W: 0 lx (IR illuminator ON) |
| Dynamic Range | Equivalent to 90 dB with View-DR technology |
| | More than 50 dB (Gain 0 dB) |
| S/N Ratio Gain | |
| Shutter Speed | Auto 1/1 s to 1/10,000 s |
| Exposure Control | |
| White Balance | Exposure compensation, AGC, Shutter speed, Iris |
| While Balance | ATW, ATW-PRO, Fluorescent lamp, Mercury lamp, Sodium vapour lamp, Metal halide lamp, White LED, One push WB, Manual |
| Lens | Built-in varifocal lens |
| | Yes |
| Easy Zoom | |
| Zoom Ratio | Optical zoom 3x |
| | Digital zoom 4x |
| 5 5 6 9 1 | Total zoom 12x |
| Easy Focus for Setup | Yes |
| Horizontal Viewing Angle | 105.2° to 35.4° |
| Vertical Viewing Angle | 57.0° to 20.0° |
| Viewing Tilt Angle | 127.6° |
| Focal Length | f = 3.0 mm to 9.0 mm |
| F-Number | F1.2 (Wide) to F2.1 (Tele) |
| Minimum Object Distance | 300 mm |
| Pan/Tilt/Rotation Angle | Pan: ±192° |
| (Manual) | Tilt: -7° to +75° |
| | Rotation: ±99° |
| IR Illuminator | Yes (Wave length: 850 nm [typical], IR LED 20 pieces) |
| IR Working Distance | 30 m (50 IRE) |
| Camera Features | |
| Day/Night | True D/N |
| e-Flip | Yes |
| Wide-D | View-DR |
| Tone Correction | Visibility Enhancer (VE) |
| Noise Reduction | XDNR |
| Image Stabilizer | Yes |
| Picture Mode | Yes |
| Privacy Masking (number) | 20 |
| Privacy Masking (shape) | Quadrangle formed by any four corner points |
| Privacy Masking (color/effect) | Opaque: 14 colors (Black, White, Red, Green, Blue, Cyan, Yellow, |
| ·······; ····························· | Magenta, Gray (6 scales)), Mosaic |
| Edge Storage | Yes |
| Vandal Resistant | IK10 |
| Ingress Protection | IP66 |
| Superimpose Number | 3 independent positions for characters (Codec, Date & Time, |
| | Event, Text (max. 64 characters)), 1 independent position for logo |
| | marks |
| Superimpose Language | English |
| Menu Language | English, Japanese, Chinese (simplified), Chinese (traditional), |
| 0 0 | French, Spanish, German, Italian, Koreán, Portuguese, Russian, |
| | Arabic, Hindi, Vietnamese, Thai |
| Smartphone viewer | Yes |
| Video | |
| Resolution | 1920 x 1080, 1280 x 720, 1024 x 576, 720 x 576, 720 x 480, |
| | |
| | 704 x 576, 640 x 480, 640 x 360, 352 x 288, 320 x 184 (H.264, JPFG) |
| Compression Format | 704 x 576, 640 x 480, 640 x 360, 352 x 288, 320 x 184 (H.264, JPEG) H.264 (High/Mgin/Baseline Profile), JPEG |
| Compression Format Maximum Frame Rate | H.264 (High/Main/Baseline Profile), JPEG |
| Compression Format Maximum Frame Rate | H.264 (High/Main/Baseline Profile), JPEG H.264: 60 fps (1920 x 1080) |
| Maximum Frame Rate | H.264 (High/Main/Baseline Profile), JPEG H.264: 60 fps (1920 x 1080) JPEG: 60 fps (1920 x 1080) |
| Maximum Frame Rate Bitrate Compression Mode | H.264 (High/Main/Baseline Profile), JPEG H.264: 60 fps (1920 x 1080) JPEG: 60 fps (1920 x 1080) CBR/VBR (selectable) |
| Maximum Frame Rate Bitrate Compression Mode Range of Bitrate Setting | H.264 (High/Main/Baseline Profile), JPEG H.264: 60 fps (1920 × 1080) JPEG: 60 fps (1920 × 1080) CBR/VBR (selectable) 64 Kbps to 32 Mbps |
| Maximum Frame Rate Bitrate Compression Mode Range of Bitrate Setting Solid PTZ | H.264 (High/Main/Baseline Profile), JPEG H.264: 60 fps (1920 x 1080) JPEG: 60 fps (1920 x 1080) CBR/VBR (selectable) 64 Kbps to 32 Mbps Yes |
| Maximum Frame Rate Bitrate Compression Mode Range of Bitrate Setting Solid PIZ Adaptive Rate Control | H.264 (High/Main/Baseline Profile), JPEG H.264:60 fps (1920 x 1080) JPEG:60 fps (1920 x 1080) CBR/VBR (selectable) 64 Kbps to 32 Mbps Yes H.264 |
| Maximum Frame Rate Bitrate Compression Mode Range of Bitrate Setting Solid PTZ Adaptive Rate Control Bandwidth Control | H.264 (High/Moin/Baseline Profile), JPEG H.264: 60 fps (1920 x 1080) JPEG: 60 fps (1920 x 1080) CBR/VBR (selectable) 64 Kbps to 32 Mbps Yes H.264 JPEG |
| Maximum Frame Rate Bitrate Compression Mode Range of Bitrate Setting Solid PTZ Adaptive Rate Control Bandwidth Control Multi Streaming Capability | H.264 (High/Main/Baseline Profile), JPEG H.264: 60 fps (1920 x 1080) JPEG: 60 fps (1920 x 1080) CBR/VBR (selectable) 64 Kbps to 32 Mbps Yes H.264 JPEG JPEG Tiple streaming |
| Maximum Frame Rate Bitrate Compression Mode Range of Bitrate Setting Solid PTZ Adaptive Rate Control Bandwidth Control Multi Streaming Capability Number of Clients | H.264 (High/Moin/Baseline Profile), JPEG H.264: 60 fps (1920 x 1080) JPEG: 60 fps (1920 x 1080) CBR/VBR (selectable) 64 Kbps to 32 Mbps Yes H.264 JPEG |
| Maximum Frame Rate Bitrate Compression Mode Range of Bitrate Setting Solid PTZ Adaptive Rate Control Bandwidth Control Multi Streaming Capability Number of Clients Intelligent Video Analytics | H.264 (High/Main/Baseline Profile), JPEG H.264: 60 fps (1920 x 1080) JPEG: 60 fps (1920 x 1080) CBR/VBR (selectable) 64 Kbps to 32 Mbps Yes H.264 JPEG Triple streaming 20 |
| Maximum Frame Rate Bitrate Compression Mode Range of Bitrate Setting Solid PTZ Adaptive Rate Control Bandwidth Control Multi Streaming Capability Number of Clients Intelligent Video Analytics Analytics Architecture | H.264 (High/Main/Baseline Profile), JPEG H.264: 60 fps (1920 × 1080) JPEG: 60 fps (1920 × 1080) CBR/VBR (selectable) 64 Kbps to 32 Mbps Yes H.264 JPEG Triple streaming 20 DEPA Advanced |
| Maximum Frame Rate Bitrate Compression Mode Range of Bitrate Setting Solid PTZ Adaptive Rate Control Bandwidth Control Muth Streaming Capability Number of Clients Intelligent Video Analytics Analytics Architecture Intelligent Motion Detection | H.264 (High/Main/Baseline Profile), JPEG H.264: 60 fps (1920 x 1080) JPEG: 60 fps (1920 x 1080) CBR/VBR (selectable) 64 Kbps to 32 Mbps Yes H.264 JPEG JPEG Tiple streaming 20 DEPA Advanced Yes |
| Maximum Frame Rate Bitrate Compression Mode Range of Bitrate Setting Solid PT2 Adaptive Rate Control Bandwidth Control Multi Streaming Capability Number of Clients Intelligent Video Analytics Analytics Architecture Intelligent Motion Detection Face Detection | H.264 (High/Main/Baseline Profile), JPEG H.264: 60 fps (1920 x 1080) JPEG: 60 fps (1920 x 1080) CBR/VBR (selectable) 64 Kbps to 32 Mbps Yes H.264 JPEG Triple streaming 20 DEPA Advanced Yes Yes |
| Maximum Frame Rate Bitrate Compression Mode Range of Bitrate Setting Solid PIZ Adaptive Rate Control Bandwidth Control Mutti Streaming Capability Number of Clients Intelligent Video Analytics Analytics Architecture Intelligent Motion Detection Face Detection Tamper Alarm | H.264 (High/Main/Baseline Profile), JPEG H.264: 60 fps (1920 x 1080) JPEG: 60 fps (1920 x 1080) CBR/VBR (selectable) 64 Kbps to 32 Mbps Yes H.264 DEPA Advanced Yes Yes |
| Maximum Frame Rate Bitrate Compression Mode Range of Bitrate Setting Solid PT2 Adaptive Rate Control Bandwidth Control Multi Streaming Capability Number of Clients Intelligent Video Analytics Analytics Architecture Intelligent Motion Detection Face Detection | H.264 (High/Main/Baseline Profile), JPEG H.264: 60 fps (1920 x 1080) JPEG: 60 fps (1920 x 1080) CBR/VBR (selectable) 64 Kbps to 32 Mbps Yes H.264 JPEG Triple streaming 20 DEPA Advanced Yes Yes Yes Yes Passing, Infrusion, Leff Object Detection, Removed Object |
| Maximum Frame Rate Bitrate Compression Mode Range of Bitrate Setting Solid PT2 Adaptive Rate Control Bandwidth Control Multi Streaming Capability Number of Clients Intelligent Video Analytics Analytics Architecture Intelligent Motion Detection Face Detection Tamper Alarm Scene Analytics | H.264 (High/Main/Baseline Profile), JPEG H.264: 60 fps (1920 x 1080) JPEG: 60 fps (1920 x 1080) CBR/VBR (selectable) 64 Kbps to 32 Mbps Yes H.264 DEPA Advanced Yes Yes |
| Maximum Frame Rate Bitrate Compression Mode Range of Bitrate Setting Solid PIZ Adaptive Rate Control Bandwidth Control Mutti Streaming Capability Number of Clients Intelligent Video Analytics Analytics Architecture Intelligent Motion Detection Face Detection Tamper Alarm Scene Analytics Audo | H.264 (High/Main/Baseline Profile), JPEG H.264: 60 fps (1920 x 1080) JPEG: 60 fps (1920 x 1080) CBR/VBR (selectable) 64 Kbps to 32 Mbps Yes H.264 JPEG JPEG H.264 JPEG JPEG CBR/VBR (selectable) 64 Kbps to 32 Mbps Yes H.264 JPEG JPEG Triple streaming 20 DEPA Advanced Yes Yes Yes Passing, Intrusion, Leff Object Detection, Removed Object Detection Detection |
| Maximum Frame Rate Bitrate Compression Mode Range of Bitrate Setting Solid PT2 Adaptive Rate Control Bandwidth Control Multi Streaming Capability Number of Clients Intelligent Video Analytics Analytics Architecture Intelligent Motion Detection Face Detection Tamper Alarm Scene Analytics Audio Compression Format | H.264 (High/Main/Baseline Profile), JPEG H.264: 60 fps (1920 x 1080) JPEG: 60 fps (1920 x 1080) CBR/VBR (selectable) 64 Kbps to 32 Mbps Yes H.264 JPEG Triple streaming 20 DEPA Advanced Yes Yes Yes Yes Passing, Infrusion, Leff Object Detection, Removed Object |
| Maximum Frame Rate Bitrate Compression Mode Range of Bitrate Setting Solid PT2 Adaptive Rate Control Bandwidth Control Mutti Streaming Capability Number of Clients Intelligent Video Analytics Analytics Architecture Intelligent Motion Detection Face Detection Tamper Alarm Scene Analytics Audio Compression Format System Requirements | H.264 (High/Main/Baseline Profile), JPEG H.264:60 fps (1920 x 1080) JPEG:60 fps (1920 x 1080) CBR/VBR (selectable) 64 Kbps to 32 Mbps Yes H.264 JPEG DEPA Advanced Yes Yes Passing, Intrusion, Left Object Detection, Removed Object Detection G.711/G.726/AAC (16 kHz, 48 kHz) |
| Maximum Frame Rate Bitrate Compression Mode Range of Bitrate Setting Solid PT2 Adaptive Rate Control Bandwidth Control Multi Streaming Capability Number of Clients Intelligent Video Analytics Analytics Architecture Intelligent Motion Detection Face Detection Tamper Alarm Scene Analytics Audio Compression Format | H.264 (High/Main/Baseline Profile), JPEG H.264: 60 fps (1920 x 1080) JPEG: 60 fps (1920 x 1080) CBR/VBR (selectable) 64 Kbps to 32 Mbps Yes H.264 JPEG JPEG H.264 JPEG JPEG CBR/VBR (selectable) 64 Kbps to 32 Mbps Yes JPEG DEPA Advanced Yes Ves G.711/G.726/AAC (16 kHz, 48 kHz) Windows® XPIM (32 bif) Professional Edition |
| Maximum Frame Rate Bitrate Compression Mode Range of Bitrate Setting Solid PT2 Adaptive Rate Control Bandwidth Control Mutti Streaming Capability Number of Clients Intelligent Video Analytics Analytics Architecture Intelligent Motion Detection Face Detection Tamper Alarm Scene Analytics Audio Compression Format System Requirements | H.264 (High/Main/Baseline Profile), JPEG H.264: 60 fps (1920 x 1080) JPEG: 60 fps (1920 x 1080) CBR/VBR (selectable) 64 Kbps to 32 Mbps Yes H.264: 60 fps (1920 x 1080) CBR/VBR (selectable) 64 Kbps to 32 Mbps Yes H.264 JPEG Triple streaming 20 DEPA Advanced Yes Yes Yes Passing, Infrusion, Left Object Detection, Removed Object Detection G-711/G.726/AAC (16 kHz, 48 kHz) Windows® XPIM (32 bit) Professional Edition Windows® VBIATW (32 bit) Ultimate, Business Edition |
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| Maximum Frame Rate Bitrate Compression Mode Range of Bitrate Setting Solid PT2 Adaptive Rate Control Bandwidth Control Mutti Streaming Capability Number of Clients Intelligent Video Analytics Analytics Architecture Intelligent Motion Detection Face Detection Tamper Alarm Scene Analytics Audio Compression Format System Requirements | H.264 (High/Main/Baseline Profile), JPEG H.264: 60 fps (1920 x 1080) JPEG: 60 fps (1920 x 1080) CRP/VBR (selectable) 64 Kbps to 32 Mbps Yes H.264 JPEG Triple streaming 20 DEPA Advanced Yes Yes Passing, Intrusion, Left Object Detection, Removed Object Detection G.711/G.726/AAC (16 kHz, 48 kHz) Windows® XP [™] (32 bit) Professional Edition Windows® Yista [™] (32 bit) Ultimate, Professional Edition Windows® X for (32/64 bit) |
| Maximum Frame Rate Bitrate Compression Mode Range of Bitrate Setting Solid PT2 Adaptive Rate Control Bandwidth Control Multi Streaming Capability Number of Clients Intelligent Video Analytics Analytics Architecture Intelligent Molion Detection Face Detection Tamper Alarm Scene Analytics Audio Compression Format System Requirements Operating System | H_264 (High/Main/Baseline Profile), JPEG H_264: 60 fps (1920 x 1080) JPEG: 60 fps (1920 x 1080) CBR/VBR (selectable) 64 Kbps to 32 Mbps Yes H_264 JPEG Tiple streaming 20 DEPA Advanced Yes |
| Maximum Frame Rate Bitrate Compression Mode Range of Bitrate Setting Solid PIZ Adoptive Rate Control Bandwidth Control Multi Streaming Capability Number of Clients Intelligent Video Analytics Analytics Architecture Intelligent Motion Detection Tamper Alarm Scene Analytics Audio Compression Format System Requirements Operating System Processor | H.264 (High/Main/Baseline Profile), JPEG H.264: 60 fps (1920 x 1080) JPEG: 60 fps (1920 x 1080) CBR/VBR (selectable) 64 Kbps to 32 Mbps Yes H.264: 700 fps (1920 x 1080) DEPA Advanced Yes Weindows® XPM (32 bit) Professional Edition Windows® XPM (32 bit) Utimate, Rusiness Edition Windows® 48 Pro (32/64 bit) Microsoft® 0 DirectX 9.0c or higher InterCore 7.8 6Hz or higher |
| Maximum Frame Rate Bitrate Compression Mode Range of Bitrate Setting Solid PI2 Adoptive Rate Control Bandwidth Control Multi Streaming Capability Number of Clients Intelligent Video Analytics Analytics Architecture Intelligent Motion Detection Tamper Alarm Scene Analytics Audio Compression Format System Requirements Operating System Processor Memory | H.264 (High/Main/Baseline Profile), JPEG H.264: 60 fps (1920 x 1080) JPEG: 60 fps (1920 x 1080) CBR/VBR (selectable) 64 Kbps to 32 Mbps Yes H.264: 60 fps (1920 x 1080) JPEG G Triple streaming 20 DEPA Advanced Yes Yes Yes Yes Yes Yes Yes Yes Yes Ves Yes Ves Ves Ves Wes Ves Ves Ves Ves Windows [®] XPI ^M (32 bit) Professional Edition Windows [®] Vista ^M (32 bit) Ultimate, Business Edition Windows [®] S Pro (32/c44 bit) Ultimate, Professional Edition Windows [®] 7 (32/c44 bit) Ultimate, Professional Edition Windows [®] 8 Pro (32/c44 bit) Microsoft [®] DirectX 9.0c or higher Inter Corei 7 2.6 GHz or higher 2 G8 or more |
| Maximum Frame Rate Bitrate Compression Mode Range of Bitrate Setting Solid PIZ Adaptive Rate Control Bandwidth Control Multi Streaming Capability Number of Clients Intelligent Video Analytics Analytics Architecture Intelligent Motion Detection Tamper Alarm Scene Analytics Audio Compression Format System Processor | H.264 (High/Main/Baseline Profile), JPEG H.264: 60 fps (1920 x 1080) JPEG: 60 fps (1920 x 1080) CBR/VBR (selectable) 64 Kbps to 32 Mbps Yes H.264 JPEG ITiple streaming 20 DEPA Advanced Yes Passing, Intrusion, Leff Object Detection, Removed Object Detection G.711/G.726/AAC (16 kHz, 48 kHz) Windows [®] V/stat [™] (32 bit) Professional Edition Windows [®] V/stat [™] (32 bit) Professional Edition Windows [®] V/stat [™] (32 bit) Ultimate, Professional Edition Windows [®] 7 (32/64 bit) Ultimate, |
| Maximum Frame Rate Bitrate Compression Mode Range of Bitrate Setting Solid PI2 Adoptive Rate Control Bandwidth Control Multi Streaming Capability Number of Clients Intelligent Video Analytics Analytics Architecture Intelligent Motion Detection Tamper Alarm Scene Analytics Audio Compression Format System Requirements Operating System Processor Memory | H.264 (High/Main/Baseline Profile), JPEG H.264: 60 fps (1920 x 1080) JPEG: 60 fps (1920 x 1080) CRP/VBR (selectable) 64 Kbps to 32 Mbps Yes H.264 JPEG Triple streaming 20 DEPA Advanced Yes Yes Passing, Intrusion, Left Object Detection, Removed Object Detection G.711/G.726/AAC (16 kHz, 48 kHz) Windows® XPI ^M (32 bit) Professional Edition Windows® Vsta ^M (32 bit) Professional Edition Windows® Vsta ^M (32 bit) Utimate, Professional Edition Windows® T (32/64 bit) Utimate, Professional Edition Windows® 150 ^M (32 bit) Utimate, Professional Edition Windows® 17 (32/64 bit) Utimate, Professional Edition Windows® 17 (32/64 bit) Utimate, Professional Edition Windows® 17 (32/64 bit) Microsoft® DirectX 9.0c or higher 1 het Corej 2.8 GHz or higher 2 GB or more Microsoft® Internet Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0, Ver. 10.0 Firefox Ver. 19.02 (plug-in free viewer only) |
| Maximum Frame Rate Bitrate Compression Mode Range of Bitrate Setting Solid PI2 Adoptive Rate Control Bandwidth Control Multi Streaming Capability Number of Clients Intelligent Video Analytics Analytics Architecture Intelligent Motion Detection Tamper Alarm Scene Analytics Audio Compression Format System Requirements Operating System Processor Memory | H_264 (High/Main/Baseline Profile), JPEG H.264: 60 fps (1920 x 1080) JPEG: 60 fps (1920 x 1080) CBR/VBR (selectable) 64 Kbps to 32 Mbps Yes H_264 JPEG JPEG DEPA Advanced Yes JPEG DEPA Advanced Yes Yes Ves Passing, Intrusion, Left Object Detection, Removed Object Detection G.711/G.726/AAC (16 kHz, 48 kHz) Windows® XPM (32 bit) Professional Edition Windows® 7 (32/64 bit) Ultimate, Business Edition Windows® 7 (32/64 bit) Ultimate, Professional Edition Windows® 7 (32/64 bit) Ultimate, Professional Edition Windows® 7 (32/64 bit) Ultimate, Professional Edition Windows® 7 (32/64 bit) Ultimate, Professional Edition Windows® 7 (32/64 bit) Microsoft® Inter(X + 06 x + 00) ZeB or more Microsoft® Internet Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0, Ver. 10.0 Firefox Ver. 19.02 (plug-in free viewer only) |
| Maximum Frame Rate Bitrate Compression Mode Range of Bitrate Setting Solid PI2 Adoptive Rate Control Bandwidth Control Multi Streaming Capability Number of Clients Intelligent Video Analytics Analytics Architecture Intelligent Motion Detection Tamper Alarm Scene Analytics Audio Compression Format System Requirements Operating System Processor Memory | H.264 (High/Main/Baseline Profile), JPEG H.264: 60 fps (1920 x 1080) JPEG: 60 fps (1920 x 1080) CRP/VBR (selectable) 64 Kbps to 32 Mbps Yes H.264 JPEG Triple streaming 20 DEPA Advanced Yes Yes Passing, Intrusion, Left Object Detection, Removed Object Detection G.711/G.726/AAC (16 kHz, 48 kHz) Windows® XPI ^M (32 bit) Professional Edition Windows® Vsta ^M (32 bit) Professional Edition Windows® Vsta ^M (32 bit) Utimate, Professional Edition Windows® T (32/64 bit) Utimate, Professional Edition Windows® 150 ^M (32 bit) Utimate, Professional Edition Windows® 17 (32/64 bit) Utimate, Professional Edition Windows® 17 (32/64 bit) Utimate, Professional Edition Windows® 17 (32/64 bit) Microsoft® DirectX 9.0c or higher 1 het Corej 2.8 GHz or higher 2 GB or more Microsoft® Internet Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0, Ver. 10.0 Firefox Ver. 19.02 (plug-in free viewer only) |

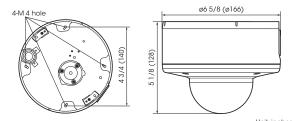
| | SNC-VM632R |
|---------------------------------|--|
| Network | |
| Protocols | IPv4, TCP, UDP, ARP, ICMP, IGMP*1, HTTP, DHCP, DNS, NTP, RTP/RTCP, |
| | RTSP over TCP, SMTP over HTTP, IPv6, HTTPS, SNMP (v1, v2c, v3), SSL |
| QoS | DSCP |
| Multicast Streaming Support | Yes |
| ONVIF Conformance | Profile S |
| Authentication | IEEE 802.1X |
| Interface | |
| Analog Video Output | BNC x1 |
| Analog Monitor Output for Setup | Phono jack x1 |
| Line Input | Mini jack (monaural) |
| Line Output | Mini jack (monaural) |
| Network Port | 10BASE-T/100BASE-TX (RJ-45) |
| Alarm Input (Sensor Input) | Yes (x2) |
| Alarm Output | Yes (x2) |
| Card Slots | SD Card x1 |
| Confirmed SD Card Type | 4/8/16/32GB SDHC (no support for SDXC) |
| General | 101/100 100 |
| Power Requirements | 12 V DC ± 10% |
| | 24 V AC ± 20%, 50 Hz/60 Hz |
| Power Consumption | IEEE802.3at compliant (PoE/PoE+ system) Max. 22 W (AC 24 V/DC 12 V, heater enabled) |
| Power Consumption | Max. 22 W (AC 24 V/DC 12 V, heater enabled) Max. 18 W (IEEE802.3at (PoE+), heater enabled) |
| | Max. 12.8 W (IEEE802.3af (POE+), heater enabled) Max. 12.8 W (IEEE802.3af/at (POE/POE+), heater disabled) |
| Operating Temperature*2 | -40°F to +140°F (-40°C to +60°C) (IR illuminator OFF, heater enabled) |
| operating temperature | -40°F to +122°F (-40°C to +50°C) (IR illuminator ON, heater enabled) |
| | 14° F to 140° F (- 10° C to + 60° C) (IR illuminator OFF, heater disabled) |
| | 14°F to 122°F (-10°C to +50°C) (IR illuminator ON, heater disabled) |
| Cold Start Temperature | -22°F (-30°C) (heater enabled) |
| cold blar lempelalaic | +32°F (-0°C) (heater disabled) |
| Storage Temperature | -4°F to +140°F (-20°C to +60°C) |
| Operating Humidity | 20% to 90% (no condensation) |
| Storage Humidity | 20% to 95% (no condensation) |
| Built-in Heater | Yes |
| Dimensions (W x H x D) | ø6 5/8 inches x 5 1/8 inches (ø166 mm x 128 mm) |
| Weight | 3 lb 13 oz (1730 g) |
| External Material | Upper case: AL Diecast |
| | Lower case: AL Diecast |
| | Dome cover: PC |
| | Cap: PC |
| External Color | White |
| Fire Retardant | UL2044 |
| Safety Regulations | JATE Technical Standard (LAN) |
| | UL2044, IEC60950-1 (CB) |
| | VCCI (Class A), FCC (Class A), IC (Class A) |
| | Emission: EN55022 (Class A) + EN50130-4 |
| | Immunity: EN55022 (Class A) + EN55024 |
| | Emission: AS/NZS CISPR22 (Class A) |
| | KCC |
| | EMC-TR |
| Supplied Accessories | CD-ROM (supplied programs) (1) |
| | Bracket (1) |
| | Template (1) |
| | Wire rope (1) |
| | Wrench (1) |
| | Camera unit mounting screws (4) |
| | Screw M4 × 8 (2) |
| | Installation Manual (1 set) |
| | Safety Regulations (1 set) |
| | Cable holder (for conduit) (1) |
| | LAN cable holder (1) |
| Optional Accessories | YT-ICB45 (In-ceiling Bracket) SNCA-WP602 (Weather Protector) |
| | |

*1: SSM (Source Specific Multimedia) is supported.

*2: If the camera is installed in high-temperature environments and subjected to direct sunlight, it is highly recommended to use the optional SNCA-WP602 Weather Protector.

| Optional Mounts and Accessories | |
|---------------------------------|---|
| Model | |
| UNI-MDB3 | GOOSENECK WALL MOUNT (includes Pendant Cap) |
| UNI-WMB4 | GOOSENECK WALL MOUNT (without pendant cap) |
| UNI-WMBB1 | CONDUIT BOX |
| UNI-CMA1 | CORNER ADAPTER |
| UNI-PMA1 | POLE ADAPTER |
| UNI-MDPDH180 | PENDANT CAP |
| YT-ICB45 | RECESSED BRACKET-FLUSH MOUNT |

DIMENSIONS



Unit: inches (mm)

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