# SNC-VM632R

Network Mini Dome Full HD Camera - V Series

## Outdoor IR Ruggedized 1080p/60fps Camera Powered by IPELA ENGINE<sup>™</sup> EX Technology

- Maximum resolution of 1920 x 1080 pixels with the Exmor<sup>®</sup> CMOS sensor
- Extremely Wide Dynamic Range to 90dB achieved with View-DR<sup>®</sup> 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<sup>™</sup> (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
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 17iple streaming 20 DEPA Advanced Yes Yes Yes Passing, Intrusion, Leff Object Detection, Removed Object Detection G.711/G.726/AAC (16 kHz, 48 kHz) Windows® XPIM (32 bit) Professional Edition Windows® VIsta™ (32 bit) Utimate, Professional Edition Windows® (32 Mathematical School
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 <sup>™</sup> (32 bit) Professional Edition Windows® Yista <sup>™</sup> (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 <sup>®</sup> XPI <sup>M</sup> (32 bit) Professional Edition           Windows <sup>®</sup> Vista <sup>M</sup> (32 bit) Ultimate, Business Edition           Windows <sup>®</sup> S Pro (32/c44 bit) Ultimate, Professional Edition           Windows <sup>®</sup> 7 (32/c44 bit) Ultimate, Professional Edition           Windows <sup>®</sup> 8 Pro (32/c44 bit)           Microsoft <sup>®</sup> 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 <sup>®</sup> V/stat <sup>™</sup> (32 bit) Professional Edition Windows <sup>®</sup> V/stat <sup>™</sup> (32 bit) Professional Edition Windows <sup>®</sup> V/stat <sup>™</sup> (32 bit) Ultimate, Professional Edition Windows <sup>®</sup> 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 <sup>M</sup> (32 bit) Professional Edition Windows® Vsta <sup>M</sup> (32 bit) Professional Edition Windows® Vsta <sup>M</sup> (32 bit) Utimate, Professional Edition Windows® T (32/64 bit) Utimate, Professional Edition Windows® 150 <sup>M</sup> (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 <sup>M</sup> (32 bit) Professional Edition Windows® Vsta <sup>M</sup> (32 bit) Professional Edition Windows® Vsta <sup>M</sup> (32 bit) Utimate, Professional Edition Windows® T (32/64 bit) Utimate, Professional Edition Windows® 150 <sup>M</sup> (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)

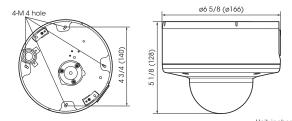
	SNC-VM632R
Network	
Protocols	IPv4, TCP, UDP, ARP, ICMP, IGMP*1, HTTP, DHCP, DNS, NTP, RTP/RTCP,
	RTSP over TCP, SMTP over HTTP, IPv6, HTTPS, SNMP (v1, v2c, v3), SSL
QoS	DSCP
Multicast Streaming Support	Yes
ONVIF Conformance	Profile S
Authentication	IEEE 802.1X
Interface	
Analog Video Output	BNC x1
Analog 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)
	$14^{\circ}$ F to $140^{\circ}$ F (- $10^{\circ}$ C to + $60^{\circ}$ 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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