SONY

SNC-VM772R

Network Mini Dome 4K Camera

See everything, miss nothing.

With extraordinary 4K technology

4K IPELA

4K opens new horizons in video security

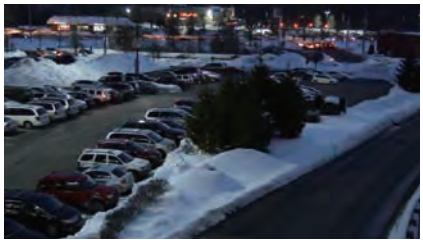
4K video security from Sony delivers major benefits in operational efficiency for cities, transport networks and commercial facilities.
Moving up to Sony's 4K is a strategic investment – enabling more cost-effective security operations, innovative new services and safer, more satisfied customers at any time of the day or at night.

Clearer pictures, even in near darkness

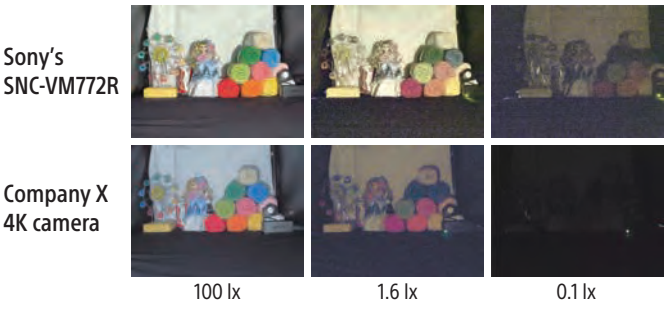
Thanks to the high sensitivity of its large Exmor R™ CMOS sensor, the SNC-VM772R faithfully captures excellent 4K color images with extremely low noise – even in near-dark conditions. Unlike other manufacturers' 4K cameras, there's no need to boost gain settings electronically or use harsh noise reduction: low-light pictures are wonderfully crisp, clear and natural.

Installed at a busy railway crossing or road junction, the camera's high sensitivity ensures crisply detailed color images, day and night – ensuring that incidents are always accurately documented.

This class-leading low light sensitivity is also invaluable in car parks, making it easier to see precise details of accidents involving vehicles, people and property.



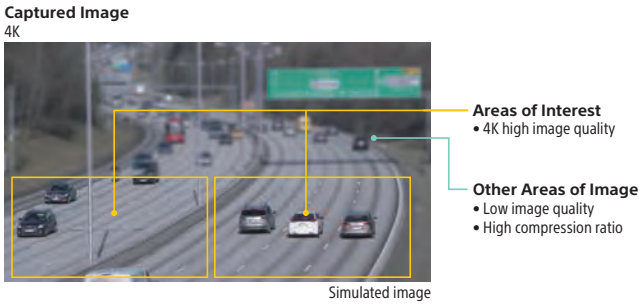
For extreme lighting environments such as construction sites and outdoor storage areas, the camera's built-in IR illuminators can be used to capture clear B/W images, even in complete darkness.



Actual images

Maximum detail where it matters

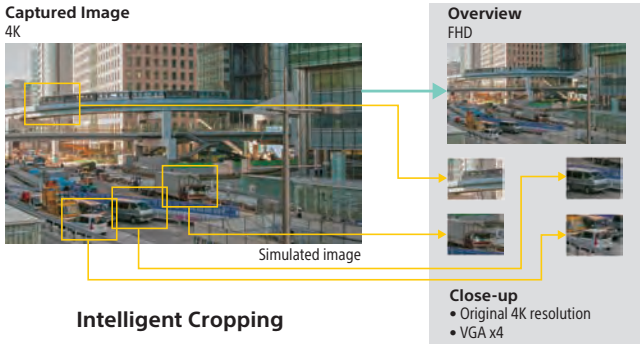
Intelligent Coding optimizes efficient management of network bandwidth while maintaining 4K resolution where it's needed. On roads and motorways, maximum 4K resolution can be used to accurately recognize car number plates, while lower resolution can be specified for other areas of the scene, reducing data requirements by up to 50% compared with conventional network cameras.



Intelligent Coding

Overview and close-up at the same time

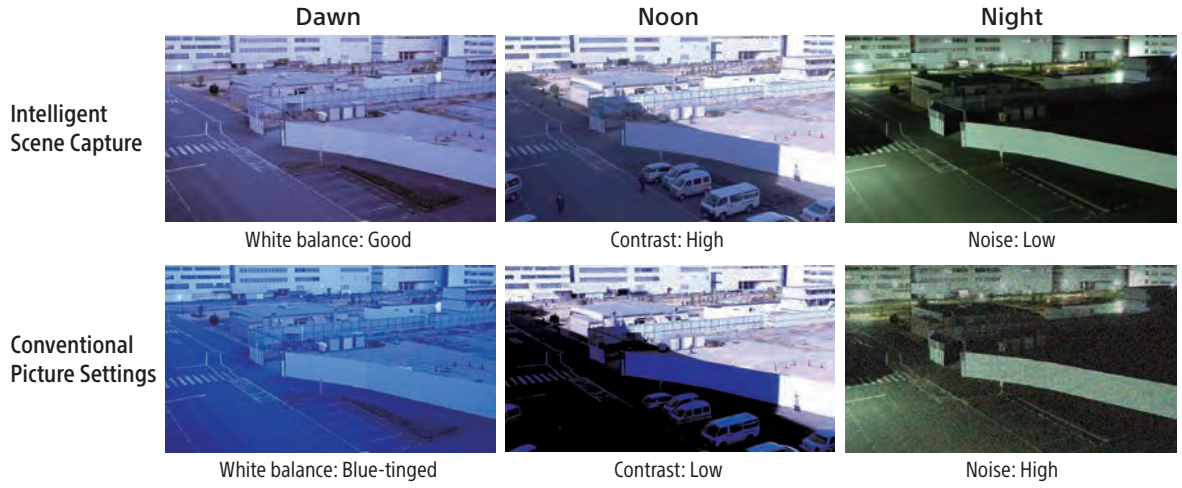
Intelligent Cropping gives a wide area situational overview of the whole scene – like a construction site – plus a closer view of specific areas of interest at the same time. See the whole scene with Full HD resolution, plus up to four cropped image areas. This allows more efficient management of network bandwidth, reducing data storage requirements by up to 50% compared with conventional solutions.



Intelligent Cropping

Best picture quality around the clock

Enjoy the best picture quality in any scene – at any time of day or night – without adjusting camera settings. Intelligent Scene Capture automatically adjusts white balance, contrast and noise reduction for optimum images, regardless of the weather, time and lighting conditions.



Simulated images

Chase moving subjects

Ideal for monitoring building entrances and thoroughfares, Multi Tracking can recognize and dynamically track multiple subjects in separate windows – cutting the risk of missing suspicious activity. See an overview of the whole scene in Full HD resolution, plus cropped VGA images whenever unidentified visitors comes into the frame.

Overview: Full HD

Close-up: VGA x4

Actual images

Documenting high quality evidence

In the event of road traffic accidents and other incidents, video footage from security cameras can be crucial supporting evidence for police and law enforcement officials. Evidence Shot captures high-resolution 20 megapixel still images that offer highly detailed documentary evidence for use in court proceedings.

Full HD

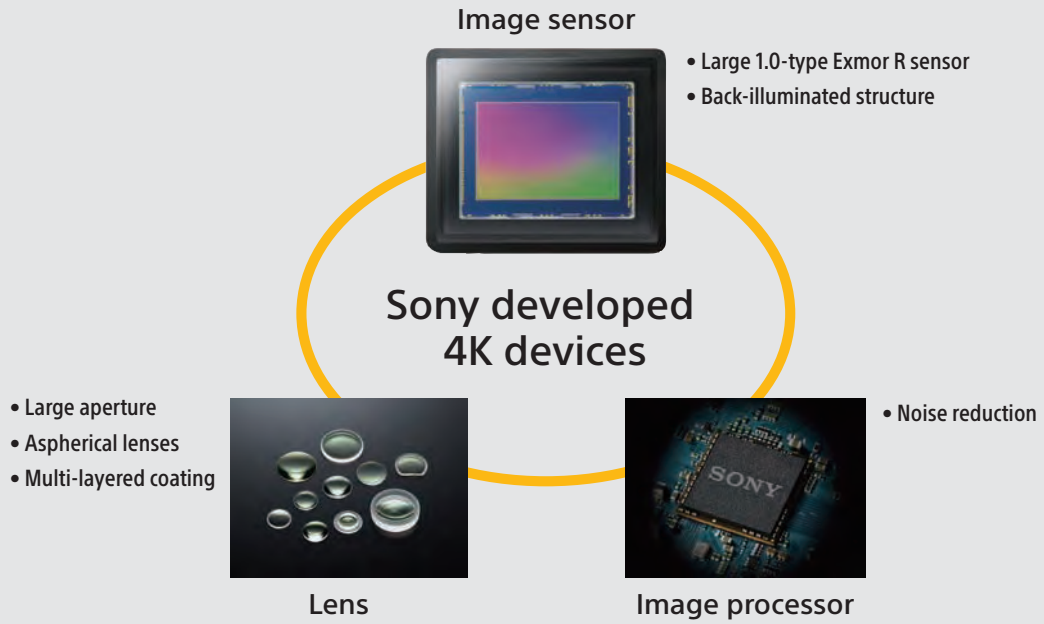
4K

20 megapixels

Simulated images

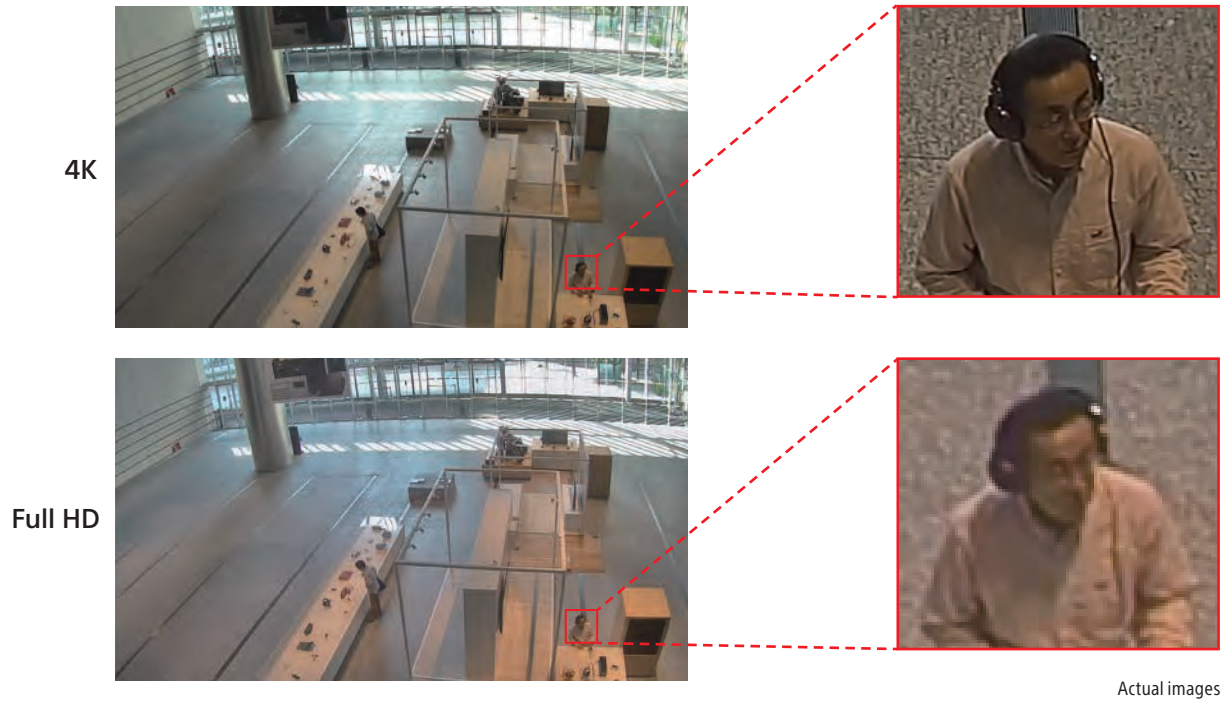
Extraordinary 4K imaging performance

Inside the SNC-VM772R video security camera you'll find a high-performance 4K Exmor R™ CMOS sensor, lens and image processor developed by Sony. Together, they're key to the extraordinary imaging performance of this ground-breaking camera that achieves unprecedented low light sensitivity. This helps the SNC-VM772R capture 4K images with clarity that's beyond the reach of conventional security cameras.



See crucial details you've never seen before

The SNC-VM772R captures detail-packed 4K images (3840 x 2160 pixels) with four times the resolution of conventional Full HD (1920 x 1080 pixels). Installed at the entrance of a building, the camera can survey a wide range of activities – from vandalism and theft to suspicious unattended objects – accurately identifying human faces with unprecedented clarity.



Actual images

Other Features

- Built-in IR (infrared) illuminators capture clear B/W images, even in complete darkness
- Adaptive IR provides high-quality IR images without overexposure
- IK10-rated vandal-resistant feature to help protect the camera from destructive behavior
- IP66-rated water-resistant and dust-tight feature for outdoor surveillance and indoor where water ingress may post an issue
- Edge Storage (on-board recording with memory cards)
- View-DR® technology delivers up to 90 dB wide dynamic range
- Visibility Enhancer (VE) helps optimize brightness and color reproduction
- True D/N (Day/Night) operation depending on lighting levels
- Supports VBR (variable bit rate) with cap or CBR (constant bit rate) selectable to correspond with various network conditions
- Powered by IEEE 802.3af-compliant (PoE) Class 3 system, DC 12 V ±10%, or AC 24 V ±20%
- DEPA™ Advanced Intelligent Video Analytics to trigger an alarm based on user-defined rules
- Defog Image Processing increases image visibility in rain, fog, or smog
- Highlight Compensation masks strong light spots in captured images in the dark
- Optical Image Stabilizer helps reduce effect of camera shake or vibration for less blurry images
- Flicker Reduction helps minimize the phenomena such as blinking or horizontal stripes
- Clear Image Zoom electronically enlarges image by up to 2x without degrading picture quality
- SNC toolbox mobile for adjusting field of view with a smartphone or tablet (Optional IFU-WLM3 is required)
- HDMI support
- ONVIF™ (Open Network Video Interface Forum) Profile S firmware

Optional Accessories

UNI-WMB7
Wall Mount Bracket

UNI-MDPVM772
Pendant Mount Bracket

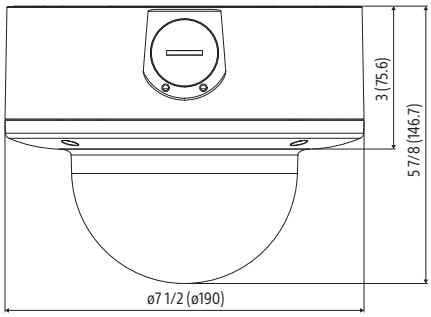
UNI-WMB4
Gooseneck Wall Mount Bracket

IFU-WLM3
USB wireless LAN module

Specifications

	SNC-VM772R
Camera	
Image Sensor	1.0-type progressive scan Exmor R CMOS sensor
Number of Effective Pixels	Approx. 20 Megapixels
Minimum Illumination (30 IRE)	Color: 0.06 lx (F1.8, 1/30 s)
	B/W: 0 lx (IR LED On, F1.8, 1/30 s)
Dynamic Range	Equivalent to 90 dB with View-DR Technology
Lens	Built-in zoom lens
Zoom Ratio	Optical zoom 2.9x
	Clear image zoom 2.0x
Horizontal Viewing Angle	70.7 ° to 27.5 ° (16:9 aspect ratio) 76.6 ° to 29.8 ° (3:2 aspect ratio)
Focal Length	f = 8.8 mm to 25.7 mm
F-Number	F1.8 (Wide) to F2.8 (Tele)
IR Illuminator	Yes
IR Working Distance	50 m (164.0 feet) (30 IRE)
Video	
Resolution	5472 x 3648, 3840 x 2160, 2880 x 2160, 1920 x 1080, 1440 x 1080, 1440 x 960, 1280 x 720, 960 x 720, 640 x 480, 640 x 360, 320 x 240, 320 x 180
Compression Format	H.264 (High/Main Profile), JPEG H.264 (B-picture) is supproted for 3840 x 2160 and 2880 x 2160 resolution
Maximum Frame Rate	H264: 30 fps (3840 x 2160)/10 fps (1920 x 1080)
	JPEG: 2.5 fps (5472 x 3648)
Bitrate Compression Mode	CBR/VBR with Cap (selectable)
Range of Bit Rate Setting	64 Kbps to 32 Mbps
Evidence Shot	20 Megapixels (5472 x 3648)
Number of Clients	20
Intelligent Video/Audio Analytics	
Analytics Architecture	DEPA Advanced
Intelligent Motion Detection	Yes
Audio	
Compression Format	G.711 (bit rate: 64 kbps, sampling frequency: 8 kHz) G.726 (bit rate: 40, 32, 24, 16 kbps, sampling frequency: 8 kHz) AAC-LC (bit rate: 64 kbps, sampling frequency: 16 kHz) AAC-LC (bit rate: 128 kbps, sampling frequency: 48 kHz)
Network	
Wireless Network	Yes for setup (IEEE802.11b/g/n with optional IFU-WLM3)
Interface	
Digital Video Output	HDMI (type A) x1
Network Port	10BASE-T/100BASE-TX (RJ-45)
Card Slots	SD x1
Confirmed SD Card Type	SDHC/SDXC (Max. 128 GB)
General	
Power Requirements	IEEE 802.3af compliant (PoE) Class 3, DC 12 V ± 10 %, AC 24 V ± 20 %, 50/60 Hz
Power Consumption	Max. 12.95 W
Operating Temperature	-40 °F to +122 °F (-40 °C to +50 °C)
Dimensions (W x H x D)	ø7 1/2 inches x 5 7/8 inches (ø190 x 146.7 mm)
Weight	Approx. 4 lb 3 oz (Approx. 1900 g)
Supplied Accessories	Bracket (1), Template (1), Wrench (1), Screw (M4 x8) (1), Sealing rubber (1), Multi connector cable (1), Read This First (1), Safety Regulations (1), Warranty booklet (1)

Dimensions



Unit: inches (mm)

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