SNC-VM772R
Network Mini Dome 4K Camera

4K Outdoor IR (IP66) Ruggedized Camera with Large-sized Exmor R™ CMOS Sensor

Product Highlights

- EXMOR R back illuminated sensor for great sensitivity of 0.1 lux in color
- 4K (3840 x 2160) H.264 with region of interest coding for bandwidth and storage efficiencies
- 20MP Evidence shot for greater detail (5472 x 3648)
- 2.9X optical zoom lens from 70.7 degrees to 27.5 degrees
- Optical image stabilization for full resolution capture
- View-DR™ Technology for wide dynamic range of 90dB

NEW FEATURES

Extraordinary sensitivity with 4K

- 4K/30 fps video footage at a minimum illumination of 0.06 lx thanks to the Exmor R, 20 megapixel large-sized 1.0-type back-illuminated CMOS sensor, high-speed image processing engine, and high-quality zoom lens, allowing you to capture detail rich 4K video footage, even in near darkness

Automatic selection of picture settings

- Intelligent Scene Capture to automatically adjust and adapt the picture’s brightness and color, depending on time of day, weather and lighting conditions to achieve the best picture quality. To further support all of the varying conditions and picture preferences, manual setting modes are available, or predefined picture settings can be scheduled or recalled to record at specific times, or based on external triggers, or lighting conditions

A variety of signal outputs

- Intelligent Coding to keep specific areas of interest in the scene clear and crisp, while lowering the image quality of the other parts using a high compression ratio, allowing the overall bitrate for the entire image to be reduced by up to 50% (4K/30 fps, areas of interest 30%) therefore helping to minimize storage costs

OTHER KEY FEATURES

- Built-in IR (infrared) illuminators
- Adaptive IR
- IK10-rated impact resistant
- IP66 rated water resistant
- Edge Storage (onboard recording with memory cards)
- 90dB Wide Dynamic Range (View-DR™) Technology
- Visibility Enhancer (VE)
- True D/N (Day/Night)
- Supports VBR (variable bit rate) with cap or CBR selectable
- Powered by either IEEE 802.3af-compliant (PoE) Class 3 system, DC 12 V ±10%, or AC 24 V ±20%
- DEPA™ Advanced Intelligent Video Analytics
- Defog Image Processing
- Highlight Compensation
- Optical Image Stabilizer
- SNC toolbox mobile to adjust field of view with a smartphone, tablet or PC
- HDMI interface support
- ONVIF™ (Open Network Video Interface Forum) Profile S firmware
## SPECIFICATIONS

### Camera
- **Image Sensor**: 1/3-type progressive scan Exmor R CMOS sensor
- **Number of Effective Pixels**: Approx. 20 Megapixels
- **Sync System**: Internal synchronization
- **Minimum Illumination (50 IRE)**: Color: 0.1 lx (F1.8, 1/10 s)
- **Minimum Illumination (30 IRE)**: Color: 0.05 lx (F1.8, 1/30 s)
- **Wide Dynamic Range**: Equivalent to 90 dB with View-DR Technology
- **Shutter Speed**: 1/7 to 1/10 000 s
- **Tripod Socket**: Exposure compensation, Av, Shutter speed, Iris
- **White Balance**: ATW, AW, WB, Fluorescent lamp, Mercury lamp, Sodium vapour lamp, Metal halide lamp, Warm LED, One push WB, Video, Outdoor, Manual
- **Lens**: Built-in zoom lens
- **Noise Reduction**: Optical zoom 2x
- **Zoom Ratio**: Optical zoom 2x
- **Easy Focus for Setup**: Yes
- **Minimum Object Distance**: 3 mm
- **Viewing Angle (Horizontal) (20MP)**: 9.0° to 25.5° (-16.9° apparent angle)
- **Vertical Viewing Angle**: 7.6° to 29.9° (-3.2° apparent angle)
- **Focus Length**: 1.8 mm to 25.7 mm
- **Illuminator**: Yes
- **Backlighting Materials**: Wave length (typical): 850 mm; LED: 30 pieces

### Camera Features
- **Daylight**: True DN
- **Night Vision**: Yes
- **View-DR Technology**: Yes
- **Exposure Compensation**: Yes
- **Focus Date**: Yes
- **Easy Focus for Setup**: Yes
- **Image Stabilizer**: Yes
- **Audio**: Optical zoom 2x
- **Privacy Masking (number)**: 24
- **Privacy Masking (method)**: Quadrangle format by four corner points
- **Privacy Masking (dependents)**: 150° with corner located White, Black, White, Blue, Cyan, Yellow, Magenta, Grey (6 scales): Mosaic
- **Edge Storage**: Yes
- **Vandal Resistance**: IP66
- **Ingress Protection**: Yes
- **Superimpose Number**: Up to 4 independent positions for character (Code, Date & Time, Event, Test (MAX 44 characters)); 1 independent position for a logo mark
- **Superimpose Language**: English
- **Menu Language**: English, Japanese, Traditional Chinese, Simplified Chinese, French, Spanish, German, Italian, Korean, Portuguese, Russian, Arabic, Hindi, Vietnamese, Thai, Turkish, Polish

### Resolution
- **Video Resolution**: 5472 x 3648, 3840 x 2160, 2880 x 1620, 1920 x 1080, 1440 x 990, 1390 x 793, 1280 x 720, 720 x 576, 640 x 480, 320 x 240, 320 x 210

### Compression Format
- **H.264**: 30 fps (3840 x 2160)/10 fps (1920 x 1080)

### Audio
- **Compression Format**: 0.771 (bit rate: 64 kbps, sampling frequency: 8 kHz)
- **AAC-LC**: 0.726 (bit rate: 48, 32, 16 kbps, sampling frequency: 8 kHz)

### Network
- **IPv4, IPv6**: Yes
- **TCP, UDP**: Yes
- **HTTP**: Yes
- **DDNS**: Yes
- **NTP**: Yes
- **DNS**: Yes
- **DSCP**: Yes
- **8 GB or more**: Yes

### Dimensions
- **Dimensions (W x H x D)**: Ø7 1/2 inches x 5 7/8 inches (Ø190 x 146.7 mm)

### UNI-MDPM772
- **1.0-type progressive scan Exmor R CMOS sensor
- **Minimum Illumination (50 IRE)**: Color: 0.1 lx (F1.8, 1/10 s)
- **Minimum Illumination (30 IRE)**: Color: 0.05 lx (F1.8, 1/30 s)
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- **Illuminator**: Yes
- **Backlighting Materials**: Wave length (typical): 850 mm; LED: 30 pieces

### UNI-WMB7
- **Wall mount bracket**: Yes
- **IPv4, IPv6**: Yes
- **TCP**: Yes
- **HTTP**: Yes
- **DDNS**: Yes
- **NTP**: Yes
- **DNS**: Yes
- **DSCP**: Yes
- **8 GB or more**: Yes
- **Minimum Illumination (50 IRE)**: Color: 0.1 lx (F1.8, 1/10 s)
- **Minimum Illumination (30 IRE)**: Color: 0.05 lx (F1.8, 1/30 s)
- **Tripod Socket**: Exposure compensation, Av, Shutter speed, Iris
- **White Balance**: ATW, AW, WB, Fluorescent lamp, Mercury lamp, Sodium vapour lamp, Metal halide lamp, Warm LED, One push WB, Video, Outdoor, Manual
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- **Illuminator**: Yes
- **Backlighting Materials**: Wave length (typical): 850 mm; LED: 30 pieces

### UNI-MDPM772 shown with optional UNI-WMB7 wall mount bracket

### UNI-WMB7
- **Wall mount bracket**: Yes
- **Powered by**: 12 V DC, 24 V AC, 30 W
- **Supply Voltage**: 12 V DC, 24 V AC
- **Power Consumption**: 30 W
- **Input Voltage**: 80-264 V AC
- **Output Voltage**: 12 V DC
- **Efficiency**: 70%
- **Environmental Conditions**: Temperature: -40 °C to +70 °C, Humidity: 20% to 90% (no condensation)
- **Dimensions (W x H x D)**: Ø7 1/2 inches x 5 7/8 inches (Ø190 x 146.7 mm)

### Weight
- **Approx. 4 lb 10 oz (2100 g) (with Bracket)

### UNI-WMB7
- **Wall mount bracket**: Yes

### System Requirements
- **Operating System**: Windows 7 (32/64 bit), Ultimate, Professional Edition, Windows 8 Pro (32/64 bit), Windows 8.1 Pro (32/64 bit)
- **Processor**: Intel Core i7 3.4GHz or higher
- **Memory**: 8 GB or more
- **Hard Browser**: No
- **Network**: No
- **Protocols**: IPv4, IPv6, TCP, UDP, RTP, ICMP, IGMP, HTTP, HTTP/2, HTTPS, FTP (client), SFTP (client), TFTP, TFTP (server), NTP (client), NTP (server), SNMP (v1, v2, v3), TLS (v1.0)
- **Number of IP Address**: Max 2000
- **IEEE 802.3af compliant (PoE) Class 3, DC 12 V ± 10 %, AC 24 V ± 20 %, 50/60 Hz

### UNI-WMB7
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- **Dimensions (W x H x D)**: Ø7 1/2 inches x 5 7/8 inches (Ø190 x 146.7 mm)

### Weight
- **Approx. 4 lb 10 oz (2100 g) (with Bracket)

### Safety Regulations
- **Fire Retardant**: Yes
- **Class 3, UL 94 V-0, NFPA 70, NFPA 70A

### Alarm Input (Sensor Input)
- **Type**: Mini jack (monaural)

### Line Input
- **Type**: Mini jack (monaural)

### Line Output
- **Type**: 20 % to 90 % (no condensation)

### Network Interface
- **Type**: RJ-45 x1
- **Port**: 10/100/1000 Base-T
- **ONVIF Conformance**: Yes

### Power
- **Power Supply**: 80-264 V AC, 30 W
- **Efficiency**: 70%

### Audio
- **Compression Format**: 0.771 (bit rate: 64 kbps, sampling frequency: 8 kHz)
- **AAC-LC**: 0.726 (bit rate: 48, 32, 16 kbps, sampling frequency: 8 kHz)
- **ACC-LC**: 0.726 (bit rate: 48, 32, 16 kbps, sampling frequency: 16 kHz)

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