

SNC-HMX72

360-degree outdoor Hemispheric-view Camera
with 12-megapixel CMOS Sensor

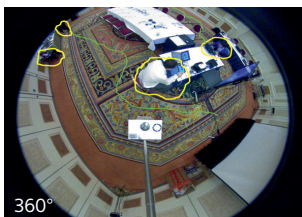
SONY

- 12MP / 30 fps sensor for fine details with smooth motion
- Sony 1/2.3-inch CMOS sensor
- 360-degree hemispheric imaging technology with Electronic Pan, Tilt and Zoom (E-PTZ) functionality
- Edge or client-side de-warping for easy integration
- Built-in Essential Video Analytics to trigger relevant alerts and quickly retrieve data
- IK10 rated vandal-resistant and IP66 rated weather-resistant



KEY FEATURES

- SNC-HMX72 is ideally suited for outdoor installations where there is constant activity, such as parking lots, campuses and public squares.
- The ultra-high resolution 12MP sensor together with a high frame rate of 30 fps are key advantages in the field of panoramic image capture.
- Edge de-warping in the camera provides three separate video channels simultaneously at 12.5 fps:
 - Full image circle (Video 1 channel)
 - De-warped view mode (Video 2 channel)
 - E-PTZ (Video 3 channel)
- Built-in Essential Video Analytics reliably detect, track, and analyze moving objects, and ignore pre-defined areas and small objects to avoid false alarms.
- Remote E-PTZ controls allow to define and zoom in on specific regions of interest (ROI) of the full image circle. This allows the most interesting part of a scene to be monitored separately while maintaining full situational awareness of the entire scene at the same time.
- The camera conforms to ONVIF Profiles S, T and G, which guarantees interoperability between network video products regardless of manufacturer.



With latest Essential Video Analytics (EVA)

Technical specifications

Power		
Power Supply	Power-over-Ethernet 48 VDC nominal	
Power Consumption	140 mA	
PoE	IEEE 802.3af (802.3at Type 1)	
Sensor		
Type	1/2.3-inch CMOS	
Total sensor pixels	12MP	
Used pixels (360° version)	2640 x 2640 (7MP)	
Video performance – Minimum Illumination – 360° lens		
(3100K, reflectivity 89%, F2.8, 30IRE)		
Color	0.55 lx	
B/W	0.18 lx	
Video performance – Dynamic range		
Dynamic range	92 dB WDR	
Video streaming		
Video compression	H.264 (MP); M-JPEG	
Streaming	Multiple configurable streams in H.264 and MJPEG, configurable frame rate and bandwidth. Multiple channels with edge de-warping. Regions of Interest (ROI)	
Overall IP Delay	Min. 120 ms, Max. 340 ms	
Encoder Regions/Region of interest (ROI)	Eight independent areas for setting encoder quality to optimize bitrate	
Video resolution (H x V) – 360° version		
Video 1 channel	Full image circle	2640 x 2640
Video 2 channel	Full panoramic	3584 x 504
	E-PTZ	1536 x 864
	Quad	1536 x 864
	Panoramic	2688 x 800
	Double panoramic	1920 x 1080
	Corridor	1600 x 1200
Video 3 channel	E-PTZ	1280 x 720
Video functions		
Day/Night	Color, Monochrome, Auto (adjustable switchover points)	
Adjustable picture settings	Contrast, Saturation, Brightness	
White Balance	2500 to 10000K, 4 automatic modes (Basic, Standard, Sodium vapor, Dominant color), Manual mode and Hold mode	
Shutter	Automatic Electronic Shutter (AES); Fixed (1/25[30] to 1/15000) selectable; Default shutter	
Backlight compensation	On /off / Intelligent Auto Exposure (BLC)	
Noise reduction	Intelligent Dynamic Noise Reduction	
Sharpness	Sharpness enhancement level selectable	
Intelligent defog	Intelligent Defog automatically adjusts parameters for best picture in foggy or misty scenes (switchable)	
Privacy Masking	Eight independent areas, fully programmable	
Video Analytics	MOTION + Essential Video Analytics	
Display stamping	Individual names and stamps for all video channels	
Other functions	Pixel counter, Video watermarking, Location	
Optical		
Lens (360° version)	1.6 mm fixed-focus lens (IR corrected), F2.8	
Lens mount	Board mounted	
Iris control	Fixed iris	
Field of view (360° version)	180° (H) x 180° (V)	
Minimum object distance	0.1 m	
True Day/Night	Switched mechanical IR filter	
Local storage		
Internal RAM	10 s pre-alarm recording	
Memory card slot	Yes	
Recording	Continuous recording, ring recording, alarm/events/schedule recording	

Software	
Unit discovery	SNC Toolbox
Unit configuration	Via web browser or Configuration Manager
Software viewing	Web browser or third party software
Network	
Protocols	IPv4, IPv6, UDP, TCP, HTTP, HTTPS, RTP/ RTCP, IGMP V2/V3, ICMP, ICMPv6, RTSP, FTP, ARP, DHCP, APIPA (Auto-IP, link local address), NTP (SNTP), SNMP (V1, V3, MIB-II), 802.1x, DNS, DNSv6, SMTP, UPnP (SSDP), DiffServ (QoS), LLDP, SOAP, Dropbox™, CHAP, digest authentication
Encryption	TLS 1.2, SSL
Ethernet	10/100 Base-T, auto-sensing, half/full duplex
Connectivity	Auto-MDIX
Interoperability	ONVIF Profile G, S and T
Mechanical	
Dimensions	174.9 x 108.4 mm (6.886 x 4.267 in)
Weight	2.06 kg (4.54 lbs)
Environmental	
Operating Temperature	-30°C to +45°C (-22°F to 113°F)
Storage Temperature	-20°C to +60°C (-4°F to 140°F)
Operating humidity	20% to 93% RH
Storage humidity	Up to 98% RH
Vandal resistance	IK10
Ingress protection	IP66
Accessories	
UNI-MDP3	Pendant interface plate, outdoor
UNI-MDP2	Pendant interface plate, indoor
UNI-P1C15	1.5" NPT Pendant pipe mount, 12" (31cm)
UNI-PMTEXT20	1.5" NPT Pendant pipe extension, 20" (50cm)
UNI-WMB15	1.5" NPT Pendant wall mount
UNI-OBBP1	Pendant wall/ceiling mount surface mount box
UNI-PMA2S	1.5" NPT Pole mount adapter small
UNI-PMA2L	1.5" NPT Pole mount adapter large
UNI-PBU24	Surveillance cabinet 24VAC
UNI-PBU120	Surveillance cabinet 120VAC
UNI-PBU230	Surveillance cabinet 230VAC

DIMENSIONS

