



Network

Dome

# XNV-8081Z

5M H.265 Vandal-Resistant Dome Camera



## Key Features

- Maximum 5MP resolution
- 0.07Lux@F1.4 (Color), 0.007Lux@F1.4 (B/W)
- Day & Night (ICR), WDR (150dB / 120dB)
- Modular structure and motorized PTRZ
- Hallway View, WiseStream II Support
- Video & audio analytics, Audio playback
- DIS and shock detection with built-in gyro sensor
- IP67/IP66/IP6K9K, IK10+, NEMA4X
- PoE, 12VDC, 24VAC (Optional)

## Compatible Accessories (Optional)



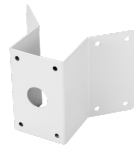
SBC-180B



SBP-300LMW



SBP-300WMW1



SBP-300KMW



SBP-300BW



SBP-300PMW



SBP-300WMW



SBP-390WMW2



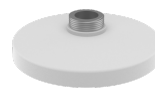
SPB-VAN85W



SBP-300NBW



SBP-300CMW



SBP-187HMW

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## Specifications

Video	
Imaging Device	1/1.8" 6MP CMOS
Resolution	2560x1920, 2560x1440, 1920x1080, 1600x1200, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264: Max. 30fps/25fps(60Hz/50Hz)\nMJPEG: Max. 30fps/25fps(60Hz/50Hz)
Min. Illumination	Color: 0.07Lux(F1.2, 1/30sec)\nBW: 0.007Lux (F1.2, 1/30sec)
Video Out	USB: Micro USB type B, 1280x720 for installation
Lens	
Focal Length (Zoom Ratio)	3.6~9.4mm(2.6x) motorized varifocal
Max. Aperture Ratio	F1.2(Wide) ~ F2.4(Tele)
Angular Field of View	H: 102.5°(Wide)~38.7°(Tele)\nV: 74.2°(Wide)~29.0°(Tele)\nD: 135.5°(Wide)~48.6°(Tele)
Min. Object Distance	0.5m(1.64ft)
Focus Control	Simple focus, Manual
Lens Type	DC auto iris, P iris(IR corrected)
Pan / Tilt / Rotate	
Pan / Tilt / Rotate Range	Remote adjustment (Max. 200cycles)\n±175- / 0~85- / ±175-
Operational	
Camera Title	Displayed up to 85 characters
Day & Night	Auto(ICR)
Backlight Compensation	BLC, HLC, WDR, SSSDR
Wide Dynamic Range	120dB
Digital Noise Reduction	SSNR V
Digital Image Stabilization	Support
Defog	Support
Motion Detection	8ea, 8point Polygonal zones
Privacy Masking	32ea, 4point Quadrangle zones\n- Color : Gray, Green, Red, Blue, Black, White\n- Mosaic
Gain Control	Support
White Balance	ATW / AWC / Manual / Indoor / Outdoor
LDC	Support
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (2~1/12,000sec)
Video Rotation	Flip, Mirror, Hallway view(90-/270-)
Analytics	Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Digital auto tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification, Shock detection
Business Intelligence	People counting, Queue management, Heatmap
Alarm I/O	Input 1ea / Output 1ea
Alarm Triggers	Analytics, Network disconnect, Alarm input

Alarm Events	When alarm trigger occurred\n - File upload(image) : e-mail/FTP\n - Notification : e-mail\n - Recording : SD/SDHC/SDXC or NAS recording at event triggers\n - Alarm output\n - Handover\n - Audio clip playback
Audio In	Selectable(mic in/line in)\nSupply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm
Audio Out	Line out, Max.output level: 1Vrms
<b>Network</b>	
Ethernet	RJ-45(10/100BASE-T)
Video Compression	H.265/H.264: Main/Baseline/High, MJPEG
Audio Compression	G.711 u-law /G.726 Selectable\nG.726(ADPCM) 8KHz, G.711 8KHz\nG.726: 16Kbps, 24Kbps, 32Kbps, 40Kbps\nAAC-LC: 48Kbps at 16KHz
Smart Codec	Manual(5ea area), WiseStream II
Bitrate Control	H.264/H.265: CBR or VBR\nMJPEG: VBR
Streaming	Unicast(20 users) / Multicast\nMultiple streaming(Up to 10 profiles)
Protocol	IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP,RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour, LLDP, SRTP
Security	HTTPS(SSL) Login Authentication\nDigest Login Authentication\nIP Address Filtering\nUser access Log\n802.1X Authentication(EAP-TLS, EAP-LEAP)
Application Programming Interface	ONVIF Profile S/G/T\nSUNAPI(HTTP API)\nWisenet open platform
<b>General</b>	
Webpage Language	English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish,, Portuguese, Czech, Polish, Turkish, Dutch, Greek, Hungarian
Edge Storage	Micro SD/SDHC/SDXC 2slot 512GB
Memory	1024MB RAM, 256MB Flash
<b>Environmental &amp; Electrical</b>	
Operating Temperature / Humidity	-50°C ~ +60°C (-58°F ~ +140°F) / Less than 90% RH\n*Start up should be done at above -35°C
Storage Temperature / Humidity	-50°C ~ +60°C (-58°F ~ +140°F) / Less than 90% RH
Certification	IP67/IP66/IP6K9K, IK10+, NEMA4X
Input Voltage	PoE(IEEE802.3af, Class3), 12VDC, 24VAC(optional)
Power Consumption	PoE: Max 12.3, typical 5.40W \n12VDC: Max 10W, typical 3.75W\n24VAC: Max 12.3W, typical 5.60W
<b>Mechanical</b>	
Color / Material	White / Aluminum
RAL Code	RAL9003
Product Dimensions / Weight	Ø180x125mm(Ø7.1x4.9") / 1.75kg(3.86lb)

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CAD

Unit:mm [inch]

