



Network

Dome

# XNV-8081RE

5MP IR PoE Extender Vandal Dome Camera



## Key Features

- Max. 5MP resolution
- PoE Extender (Main cam, extension cam)
- PoE out :Max. 12.95W@80m
- 3.9~9.4mm(2.4x) motorized varifocal
- 0.07Lux@F1.3 (Color), 0Lux (B/W, IR LED on)
- IR viewable length 50m
- Day & Night (ICR), WDR (120dB)
- Hallway View, WiseStream II Support
- Video & audio analytics, Audio playback
- Business Intelligence(People counting, Queue management, Heatmap)
- DIS and shock detection with built-in gyro sensor
- Modular structure, PoE+ in/ PoE out
- IP66/IP67/IP6K9K, IK10+, NEMA4X

## Compatible Devices



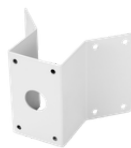
SBC-180B



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	Size	1/1.8"
	Type	CMOS
Resolution	2560x1920, 2560x1440, 1920x1080, 1600x1200, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x640, 640x360, 320x240	
Max. Framerate	H.265/H.264	30fps/25fps(60Hz/50Hz)
	MJPEG	30fps
Min. Illumination (Lux)	Color(1/30sec, 30IRE)	0.07
	BW(1/30sec, 30IRE)	0.007
Video Out	CVBS: 1.0 Vp-p / 75Ω composite for installation, USB: Micro USB Type B	
Lens		
Focal Length (mm)	3.9~9.4	
Zoom Ratio	Optical	2.4x
Max Aperture Ratio (F number)	Wide	1.3
Angular Field of View	Horizontal	92.1°~38.7°
	Vertical	67.2°~29.0°
	Diagonal	119.9°~48.6°
iFoV	Non	
Min. Object Distance	0.5m(1.64ft)	
Focus Control	Simple focus	
Lens Type	DC auto iris, P iris(IR corrected)	
Pan / Tilt / Rotate		
Pan / Tilt / Rotate Range	Pan	0°~360°
	Tilt	-45°~85°
	Rotate	0°~355°
Operational		
Day & Night	Auto(ICR)	

## Operational

<b>Backlight Compensation</b>		BLC, HLC, WDR, SSSDR
<b>Wide Dynamic Range (dB)</b>		120
<b>Digital Noise Reduction</b>		SSNR V
<b>Digital Image Stabilization</b>		Support(built-in gyro sensor)
<b>Defog</b>		Support
<b>Motion Detection</b>	Quantity	8ea
	Shape	8point Polygonal zones
<b>Privacy Masking</b>	Quantity	32ea
	Shape	Rectangular zones
	Color / Option	Gray, Green, Red, Blue, Black, White, Mosaic
<b>Gain Control</b>		Low, Middle, High
<b>White Balance</b>		ATW, AWC, Manual, Indoor, Outdoor
<b>LDC</b>		Support
<b>Electronic Shutter</b>	Mode	Minimum, Maximum, Anti flicker
	Speed Range	2~1/12,000sec
<b>Video Rotation</b>		Flip, Mirror, Hallway view(90°/270°)
<b>Alarm Interface</b>	In/Out	Input 1ea, Output 1ea
<b>Alarm Triggers</b>		Analytics, Network disconnect, Alarm input
<b>Alarm Events When Alarm Trigger Occurred</b>		File upload(image): e-mail/FTP, Notification: e-mail, Recording: SD/SDHC/SDXC or NAS recording at event triggers,Alarm output
<b>Audio In</b>		Selectable(mic in/line in)
<b>Audio Out</b>		Line out
<b>Light Type</b>		IR LED
<b>Light Viewable Length</b>	IR	50m(164.04ft)
<b>IR Wavelength</b>		850nm

## Analytics

<b>Analytics Events</b>	Normal	Defocus detection, Motion detection, Tampering, Fog detection, Face detection, Audio detection, Sound classification, Shock detection, Virtual area(Lotering, Intrusion, Enter/Exit, Appear/Disappear), Virtual line(Crossing, Direction) , Digital auto tracking
<b>Business Intelligence</b>	Normal	People counting, Queue management, Heatmap

## Network

<b>Ethernet</b>	Metal shielded RJ-45(10/100BASE-T)
<b>Video Compression</b>	H.265/H.264: Main/Baseline/High, MJPEG
<b>Audio Compression</b>	G.711 u-law /G.726 selectable,G.726(ADPCM) 8kHz,G.711 8kHz, G.726: 16kbps,24kbps,32kbps,40kbps, AAC-LC: 48kbps at 16kHz
<b>Smart Codec</b>	Manual, WiseStream II

## Network

<b>Bitrate Control</b>		H.265/H.264: CBR or VBR, MJPEG: VBR
<b>Streaming</b>	Unicast	Up to 20 users
	Multicast	Support
	Multiple Streaming	Up to 10 profiles
<b>Protocol</b>		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, UPnP, Bonjour, LLDP, SRTP(TCP, UDP Unicast), PIM-SM
<b>Application Programming Interface</b>	ONVIF	S, G, T
	Others	SUNAPI(HTTP API), Hanwha Vision Open Platform

## Security

<b>User authentication</b>	Digest authentication
<b>Network authentication</b>	IEEE 802.1X(EAP-TLS, EAP-LEAP)
<b>Secure Communication</b>	HTTPS, SRTP
<b>Access Control</b>	IP-based access control
<b>Audit</b>	Access / System / Event Log management
<b>Device ID</b>	Device certificate(Hanwha Vision Root CA)

## General

<b>Memory</b>	RAM	1GB
	Flash	256MB
<b>Edge Storage</b>	Micro SD/SDHC/SDXC	Max. 256GB x 2slot(Total 512GB)

## Environmental & Electrical

<b>Operating Condition</b>	Temperature	-50°C~+60°C(-58°F~+140°F)
	Humidity	0~90% RH(non-condensing)
	Others	Start up should be done at above -35°C
<b>Storage Condition</b>	Temperature	-50°C~+60°C(-58°F~+140°F)
	Humidity	0~90% RH(non-condensing)
<b>Input Voltage</b>		PoE+(IEEE802.3at, Class4)
<b>Power Consumption</b>	PoE	Max 25.5 W (Main CAM + Extension CAM) Typical 10.2W (Main CAM)
	Others	* PoE Out: Max 12.95W at 80meters using CAT5/5E cable

## Mechanical

<b>Color</b>	White
<b>Material</b>	Aluminum
<b>RAL Code</b>	RAL9003
<b>Product Dimensions</b>	Ø180x125mm(7.09x4.92")
<b>Product Weight</b>	1.75kg(3.86 lb)

**Mechanical**

Compatible Conduit Hole	19.1mm(3/4")(M25)
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**Certifications & Standards**

Environment	IEC 60529 IP66, IEC 60529 IP67, ISO 20653 IP6K9K, IEC 62262 IK10+, NEMA 250 type 4X
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**DORI (EN62676-4 standard)**

Detect (25PPM/ 8PPF)	Wide	Wide: 49.4m(162.07ft)
	Tele	Tele: 146m(479.00ft)
Observe (63PPM/ 19PPF)	Wide	Wide: 19.7m(64.63ft)
	Tele	Tele: 58m(190.29ft)
Recognize (125PPM/ 38PPF)	Wide	Wide: 9.9m(32.48ft)
	Tele	Tele: 29m(95.14ft)
Identify (250PPM/ 76PPF)	Wide	Wide: 4.9m(16.08.22ft)
	Tele	Tele: 15m(49.21ft)

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**CAD**

Unit: mm [inch]

