



Network

Dome

XNV-C6083R

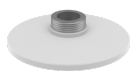
2MP AI IR Vandal Dome Camera



Key Features

- 2MP resolution
- 2.8~12mm (4.3x) motorized varifocal
- Color: 0.011 Lux (F1.4, 1/30sec, 30IRE), 0 Lux (IR LED on)
- Maximum 60 fps@2MP (H.265/H.264)
- WiseIR: IR viewable length 40m (131.23 ft)
- Day & Night (ICR), extremeWDR (150 dB)
- DIS with built-in Gyro sensor
- Hard-coated dome bubble
- Analytics events based on AI engine (NPU) : Object detection (Person/Face/Vehicle - car, truck, bus, bicycle, motorcycle/License plate), IVA (Virtual line/Area, Enter/Exit, Loitering, Direction, Intrusion)
- Analytics events : Defocus detection, Motion detection, Tampering, Fog detection
- Audio detection, Sound classification, Shock detection, Appear/Disappear
- IP66, IP67, NEMA4X, IK10

Compatible Accessories (Optional)



SBP-167HMW

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Specifications

Video	
Imaging Device	1/2.8" progressive CMOS
Resolution	1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264: Max. 60fps/50fps(60Hz/50Hz)\nMJPEG: Max. 30fps/25fps(60Hz/50Hz)
Min. Illumination	Color: 0.01Lux(F1.4, 1/30sec, 30IRE)\nB/W : 0.001Lux(F1.4, 1/30sec, 30IRE), 0Lux(IR LED on), 30/25fps\n\nColor: 0.02Lux(F1.4, 1/60sec, 30IRE)\nB/W : 0.002Lux(F1.4, 1/60sec, 30IRE), 0Lux(IR LED on), 60/50fps
Video Out	USB: Micro USB Type B, 1280x720 for installation
Lens	
Focal Length (Zoom Ratio)	2.8~12mm(4.3x) motorized varifocal
Max. Aperture Ratio	F1.4(Wide) ~ F3.6(Tele)
Angular Field of View	H : 119.5°(Wide) ~ 27.9°(Tele)\nV : 62.8°(Wide) ~ 15.7°(Tele)\nD : 142.1°(Wide) ~ 32.0°(Tele)
Min. Object Distance	0.5m(1.64ft)
Focus Control	Simple focus, Manual
Lens Type	DC auto iris with hall sensor (IR corrected)
Pan / Tilt / Rotate	
Pan / Tilt / Rotate Range	0°~360° / -45°~75° / 0°~355°
Operational	
Camera Title	Displayed up to 85 characters
Day & Night	Auto(ICR)
Backlight Compensation	BLC, HLC, WDR, SDR
Wide Dynamic Range	extremeWDR (150dB)
Digital Noise Reduction	WiseNR II (Based on AI engine), SSNR V
Digital Image Stabilization	Support(built-in gyro sensor)
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	Off / Max Gain / Manual
White Balance	ATW / Narrow ATW / AWC / Manual / Indoor / Outdoor
LDC	Support (Fill/stretch mode)
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (2~1/12,000sec)\nprefer shutter control(Based on AI engine)
Video Rotation	Flip, Mirror, Hallway view(90°/270°)
Analytics	Classified object type : Person/Face/Vehicle/License plate \nAttributes : Vehicle(Type:car/bus/truck/motorcycle/bicycle)\nSupport DetectionShot\nAnalytics events based on AI engine\n- Object detection, Virtual line(Crossing/Direction), Virtual area(Loitering/Intrusion/Enter/Exit)\nAnalytics events \n- Defocus detection, Motion detection, Tampering, Fog detection, Audio detection, Sound classification, Shock detection, Virtual area(Appear/Disappear)

Business Intelligence	Based on AI engine : People counting, Queue management, Heatmap
Alarm I/O	2 configurable I/O ports
Alarm Triggers	Analytics, Network disconnect, Alarm input, App event, Time schedule
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(PTZ preset, Send message by HTTP/HTTPS/TCP)\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
IR Viewable Length	WiseIR 40m(131.23ft)
Network	
Ethernet	Metal shielded RJ-45(10/100BASE-T)
Video Compression	H.265/H.264: Main/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 , WiseStreamIII(Based on AI engine)
Bitrate Control	H.264/H.265: CBR or VBR\nMJPEG: VBR
Streaming	Unicast(20 users) / Multicast\nMultiple streaming(Up to 10 profiles, 3 virtual channel support)
Protocol	IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP,RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP,\nICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, SRTP (TCP, UDP Unicast)
Security	HTTPS(SSL) Login Authentication\nDigest Login Authentication\nIP Address Filtering\nUser access log\n802.1X Authentication(EAP-TLS, EAP-LEAP, EAP-PEAP MSCHAPv2)\nDevice Certificate(Hanwha Techwin Root CA, pre-installed)\nSecure by default certificate\nHTPM (Hanwha Trusted platform module)\nSecure OS/Boot/Storage, Verify firmware forgery\nCyberSecurity assurance program UL CAP (UL 2900-1)
Application Programming Interface	ONVIF Profile S/G/T\nSUNAPI(HTTP API)\nWisenet open platform
General	
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 1slot 512GB
Memory	2GB RAM, 512MB Flash
Environmental & Electrical	
Operating Temperature / Humidity	-40°C~+55°C(-40°F ~ +131°F)\n* Start up should be done at above -20°C\n0~95%RH(non-condensing)\nHumidity control /w GORE vent
Storage Temperature / Humidity	-50°C ~ +60°C(-58°F ~ +140°F) / Less than 90% RH
Certification	IP66/IP67, NEMA4X, IK10
Input Voltage	PoE(IEEE802.3af, Class3), 12VDC
Power Consumption	PoE: Max 12.95W, typical 10.8W \n12VDC: Max 12.5W, typical 10.0W
Mechanical	
Color / Material	White / Aluminum\nHard-coated dome bubble
RAL Code	RAL9003
Product Dimensions / Weight	Ø160x118mm(Ø6.30x4.65"), 1450g(3.20 lb)
Compatible Conduit hole / Gangbox	1/2" (M20)\nsingle, double, 4" octagon, 4" square
Hanging Mount (Dome)	SBP-167HMW
Certifications & Standards	
EMC	FCC 47 CFR 15 Subpart B Class A\nICES-3(A)/NMB-3(A)\nCE/UKCA\n - EN 55032 Class A, EN 50130-4, EN 61000-3-2, EN 61000-3-3\nVCCI CISPR 32 Class A\nRCM AS/NZS CISPR 32 Class A\nKS C 9832 Class A , KS C 9835
Safety	UL 62368-1, CAN/CSA C22.2 NO. 62368-1\nIEC/EN 62471

Environment	IEC/EN 63000\nIEC/EN 60529 IP66/IP67, IEC/EN 62262 IK10\nNEMA 250 type 4X
DORI (EN62676-4 standard)	
Detect (25PPM/ 8PPF)	Wide: 22.4m(73.47ft) / Tele: 154.6m(507.18ft)
Observe (63PPM/ 19PPF)	Wide: 9.0m(29.39ft) / Tele: 61.8m(202.87ft)
Recognize (125PPM/ 38PPF)	Wide: 4.5m(14.69ft) / Tele: 30.9m(101.44ft)
Identify (250PPM/ 76PPF)	Wide: 2.2m(7.35ft) / Tele: 15.5m(50.72ft)

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CAD

Unit:mm [inch]

