

Network | Multi-sensor

PNM-9030V

15MP Panoramic Camera

Key Features

- Max. 15MP 180°/220° panoramic stitching image
- Panoramic stitching, original, crop view channel
- H.265 / H.264 : Max. 30fps at all resolutions
- MJPEG : Max. 15fps at under 2Megapixel resolutions
- H.265, H.264, MJPEG codec, WiseStream II supported
- Tampering, Loitering, Directional detection, Virtual line, Enter / Exit
- (Dis)Appear, Audio detection,Motion detection, Handover, Sound classification, Heatmap
- microSD/SDHC/SDXC 2 slots, PoE+, IP66, IK10

Compatible Accessories (Optional)



SBP-300CM



SBP-300PM



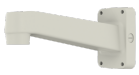
SBP-300KM



SBP-300WM1



SBP-300LM



SBP-390WM2



SBP-300WM



SBP-276HM



SBP-300B



SBP-300NB

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Specifications

Video	
Imaging Device	1/2.8" 5MP CMOSx4
Resolution	[180° mode] 6096x2540, 5760x2400, 5472x2280, 5184x2160, 4800x2000, 4560x1900, 4096x1704, 3840x1600, 2688x1120, 2560x1064, 2048x852, 1920x800, 1280x532, 640x264 [220° mode] 7744x1936, 6096x1524, 5760x1440, 5472x1368, 5184x1296, 4800x1200, 4560x1140, 4096x1024, 3840x960, 2688x672x 2560x640, 2048x512, 1920x480, 1280x320, 640x160
Max. Framerate	H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max. 15fps(60Hz/50Hz)
Min. Illumination	Color: 0.15Lux(F2.0, 1/30sec) B/W: 0.01Lux (F2.0, 1/30sec)
Video Out	USB : Micro USB Type B, 1280x720 for installation

Lens	
Focal Length (Zoom Ratio)	4mm Fixed
Max. Aperture Ratio	F2.0
Angular Field of View	[180° mode] H: 180°, V: 70° [220° mode] H: 220°, V: 52°
Min. Object Distance	3m(9.84ft)
Focus Control	Fixed

Pan / Tilt / Rotate	
Pan / Tilt / Rotate Range	0°~355° / 0°~60° / -

Operational	
Camera Title	Displayed up to 75 characters
Day & Night	Auto(ICR)
Backlight Compensation	BLC, HLC, WDR, SSDR
Wide Dynamic Range	120dB
Digital Noise Reduction	SSNR V
Defog	Support
Motion Detection	8ea, 8point polygonal zones
Privacy Masking	16ea, rectangle zones - Color: Grey/Green/Red/Blue/Black/White - Mosaic
Gain Control	Low / Middle / High
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	Directional detection, Motion detection,, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification

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Business Intelligence	Heatmap
Alarm I/O	Input 1ea / Output 1ea
Alarm Triggers	Analytics, Network disconnect, Alarm input
Alarm Events	File upload via FTP and e-mail Notification via e-mail SD/SDHC/SDXC recording at event triggers Alarm output

Network	
Ethernet	RJ-45(10/100/1000BASE-T)
Video Compression	H.265/H.264: Main/Baseline/High, MJPEG
Smart Codec	Manual(5ea area), WiseStream II
Bitrate Control	H.264/H.265: CBR or VBR MJPEG: VBR
Streaming	Unicast(15 users) / Multicast Multiple streaming(Up to 5 or 3 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
Security	HTTPS(SSL) Login Authentication Digest Login Authentication IP Address Filtering User access log 802.1X Authentication(EAP-TLS, EAP-LEAP)
Application Programming Interface	ONVIF Profile S/G SUNAPI(HTTP API)

General	
Web Viewer	Supported OS: Windows 7, 8.1, 10, Mac OS X 10.10, 10.11, 10.12 Recommended Browser: Google Chrome Supported Browser: MS Explore11, MS Edge, Mozilla Firefox(Window 64bit only), Apple Safari(Mac OS X only)
Edge Storage	Micro SD/SDHC/SDXC 1slot 256GB
Memory	8GB RAM, 4GB Flash

Environmental & Electrical	
Operating Temperature / Humidity	-40°C ~ +55°C(-40°F ~ +131°F) / Less than 90% RH
Storage Temperature / Humidity	-40°C ~ +60°C(-58°F ~ +140°F) / Less than 90% RH
Certification	IP66, IK10
Input Voltage	PoE+(IEEE802.3at, Class4), 12VDC
Power Consumption	PoE+: Max 25.5W 12VDC: Max 21.0W

Mechanical	
Color / Material	Ivory / Aluminum
Product Dimensions / Weight	Ø253x165mm(9.96"x6.5"), 3200g

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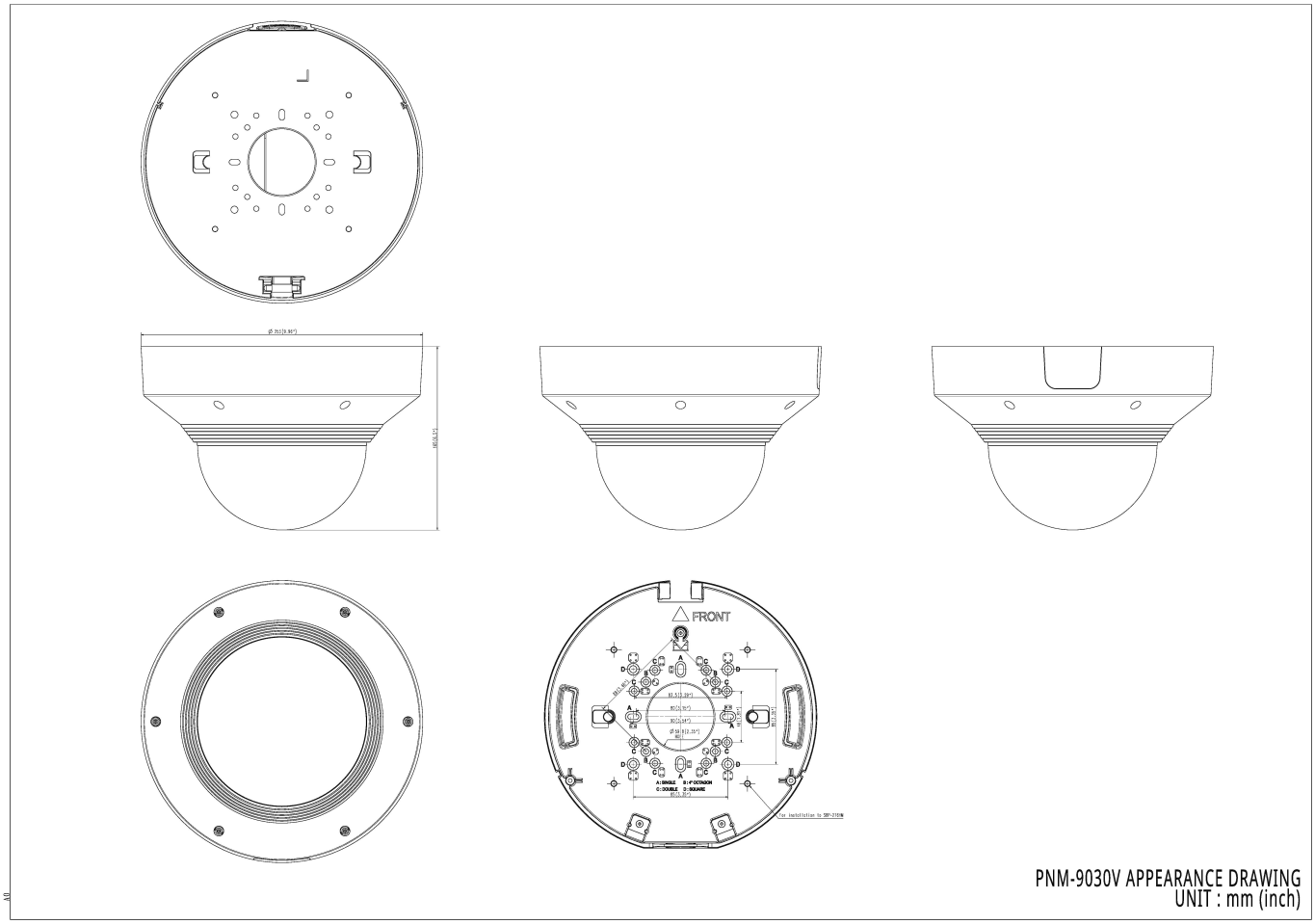
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CAD

Unit:mm [inch]



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