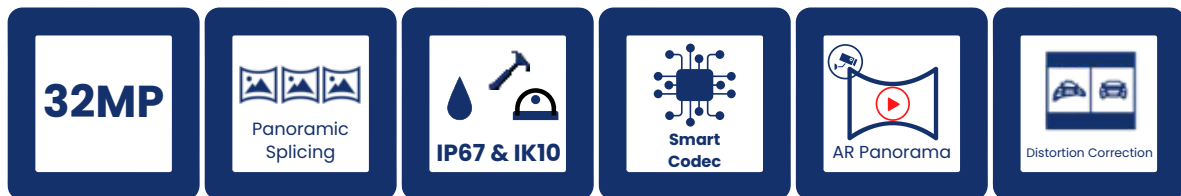




DNC4X8MP-MS-PANOB



Key Features



- 4x8MP, 1/1.8" CMOS image sensor, low illuminance & high image definition.
- Outputs max. 32MP (8192 x 3840@25-30fps)
- Built-in IR LED & the max. illumination distance is 30m.
- ROI, Smart H.264+, H.265+, flexible coding, applicable to various bandwidth & storage environments.
- Supports image correction.
- Support video clip, the image can be clipped as needed.
- Alarm: 2 in, 2 out: Audio 1 in, 1 out: 485, BNC, supports max. 256 G SD card.
- 12 VDC/24 VAC/PoE power supply easy for installation.
- IP67 & IK10 protection.



Specifications

Camera		DNC4X8MP-MS-PANOB			
Image Sensor	1/1.8" CMOS				
Max. Resolution	8192 (H) x 3840 (V)				
ROM	8 GB				
RAM	4 GB				
Scanning System	Progressive				
Electronic Shutter Speed	Auto, manual 1/3s ~ 1/100,000s				
Min. Illumination	0.005 Lux@F1.6 (Color, 30 IRE) 0.0005 Lux@F1.6 (B/W, 30 IRE) 0 Lux (Illuminator On)				
S/N Ratio	>56 dB				
Illumination Distance	30m (98.43ft) (IR LED)				
Illuminator On/Off Control	Auto, manual				
Illuminator Number	8 (IR LED)				
Pan/Tilt/Rotation Range	Tilt: 0° ~ 90° Rotation: 0° ~ 360°				
Lens					
Lens Type	Fixed-Focal				
Lens Mount	M16				
Focal Length	2.8mm				
Max. Aperture	F1.6				
Field of View	Horizontal: 180° Vertical: 100°				
Iris Control	Fixed				
Close Focus Distance	1.8m (5.90ft)				
DORI Distance	Detect	Observe	Recognize	Identify	
	84.0m (275.59ft)	33.6m (110.24ft)	16.8m (55.12ft)	8.4m (27.56ft)	

**Video**

Video Compression	H.265, H.264, H.264H, H.264B, MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+, Smart H.264+
Video Frame Rate	Main Stream: 8192 x 3840@1-25/30fps Sub Stream: 1280 x 600@1-25/30fps Third Stream: 2304 x 1080@1-25/30fps <i>*The values above are the max. frame rates of each stream, for multiple streams, the values will be subjected to the total encoding capacity*</i>
Stream Capability	3 streams
Resolution	8192 x 3840, 7680 x 3600, 7168 x 3360, 6720 x 3152, 5760 x 2700, 4800 x 2252, 4096 x 1920, 2880 x 1360, 2304 x 1080, 2048 x 960, 1520 x 712, 1280 x 600
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 96 Kbps ~ 23808 Kbps H.265: 38 Kbps ~ 14336 Kbps
Day/Night	Auto (ICR), Color & B/W
BLC	Yes
HLC	Yes
WDR	DWDR
White Balance	Auto, natural, street lamp, outdoor, manual, regional custom
Gain Control	Auto, manual
Noise Reduction	3D NR
Motion Detection	Off/On (4 areas, rectangular)
Region of Interest (ROI)	Yes (4 areas)
Privacy Masking	4 areas

Audio

Audio Compression	G.711A, G.711Mu, G.726, G.723, PCM
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Alarm

Alarm Event	No SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, motion detection, video tampering, scene changing, audio detection, voltage detection, external alarm & security exception
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**Network**

Network Port	RJ-45 (10/100/1000 Base-T)
SDK & API	Yes
Network Protocol	IPv4, IPv6, HTTP, TCP, UDP, ARP, RTP, RTSP, RTCP, RTMP, SMTP, FTP, SFTP, DHCP, DNS, DDNS, QoS, UPnP, NTP, Multicast, ICMP, IGMP, NFS, SAMBA, PPPoE, SNMP
Interoperability	ONVIF (Profile S, Profile G, ProfileT), CGI, Milestone, Genetec
User/Host	20
Storage	FTP, SFTP, Micro SD card (support max. 256 GB), NAS
Browser	IE: 9 & later Chrome: Chrome 86 & later Firefox: Firefox 86 & later
Management Software	Smart PSS, DSS, DMSS
Cyber Security	Configuration encryption, trusted execution, digest security logs, WSSE, account lockout, syslog, video encryption, 802.1x, IP/MAC filtering, HTTPS, trusted upgrade, trusted boot, firmware encryption, generation & importing of X.509 certification

Certification

Certifications	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part15, Subpart B UL/CUL: UL62368-1 & CAN/CSA C22.2 No. 62368-1-14
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Port

RS-285	1 (baud range: 1200 bps ~ 115200 bps)
Audio Input	1-Channel (RCA port)
Audio Output	1-Channel (RCA port)
Alarm Input	2-Channels in: 5 mA 3~5 VDC
Alarm Output	2-Channels Out: 1,000 mA 30 VDC/500 mA 50 VAC

Power

Power Supply	12 VDC/24 VAC/PoE+(802.3at)
Power Consumption	Basic Power Consumption: 10.6W (12 VDC), 11.9W (24 VAC), 11.9W (PoE) Max. Power Consumption (ICR + IR LED): 22.2W (12 VDC), 25W (24 VAC), 25W (PoE)



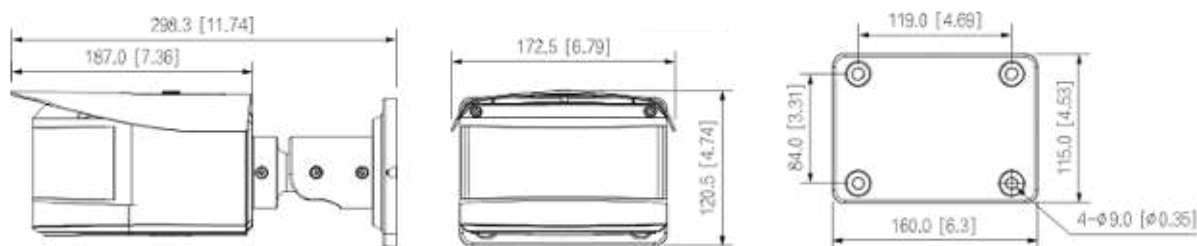
Environment

Operating Temperature	−40 °C to +60 °C (−40 °F to +140 °F)
Operating Humidity	≤95%
Storage Temperature	−40 °C to +60 °C (−40 °F to +140 °F)
Protection	IK10, IP67

Structure

Casing Material	Metal + Plastic
Product Dimensions	298.3 mm × 172.5 mm × 120.5 mm (11.74" × 6.79" × 4.74") (L × W × H)
Net Weight	3.16 kg (6.97 lb)
Gross Weight	4.06 kg (8.95 lb)

Dimensions



Accessories



PFA150
Pole Mount Bracket



PFA120
Junction Box