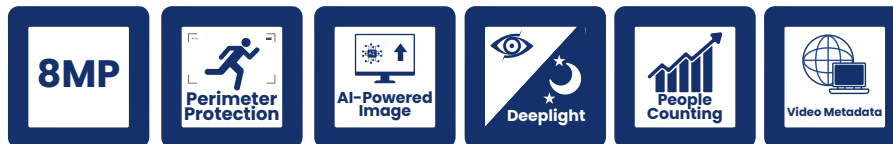




DNC8WMMZT-Meta



Key Features



- 8MP 1/1.8" CMOS image sensor, low luminance, and high definition image.
- Outputs max. 8MP (3840 x 2160)@25/30fps
- Built-in IR LED, and the max. illumination distance: 40m.
- ROI, SVC, Smart H.264+, Smart H.265+, AI H.264, AI H.265, encoding after filter, flexible coding, applicable to various bandwidth and storage environments.
- Rotation Mode, WDR, 3D NR, HLC, BLC, Digital Watermarking, applicable to various monitoring scenes.
- With deep learning algorithm, it supports: Video Metadata, IVS, Face Detection, Smart Object Detection, People Counting, etc.
- Supports max. 512GB Micro SD card. built-in Mic.
- 12 VDC/PoE power supply, ePoE.
- IP67 protection
- SMD 3.0



Specifications

Camera		DNC8WMMZT-Meta			
Image Sensor		1/1.8" CMOS			
Max. Resolution		3840 (H) x 2160 (V)			
ROM		4GB			
RAM		2GB			
Scanning System		Progressive			
Electronic Shutter Speed		Auto, manual, 1/3s ~ 1/100,000s			
Min. Illumination		0.0008 Lux@F1.8 (Color, 30 IRE) 0.0004 Lux@F1.8 (B/W, 30 IRE) 0 Lux (Illuminator On)			
S/N Ratio		>56dB			
Illumination Distance		up to 40m (131.23ft) (IR)			
Illuminator On/Off Control		Auto, manual			
Illuminator Number		2 (IR LED)			
Pan/Tilt/Rotation Range		Pan: 0° ~ 360° Tilt: 0° ~ 78° Rotation: 0° ~ 360°			
Lens					
Lens Type		Motorized Vari-Focal			
Lens Mount		ϕ14			
Focal Length		2.7mm ~ 12mm			
Max. Aperture		F1.8			
Field of View		Horizontal: 113° ~ 47° Vertical: 60° ~ 26° Diagonal: 133° ~ 53°			
Iris Control		Auto			
Close Focus Distance		1.5m (4.92ft)			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	W	83.4m (273.62ft)	33.4m (109.58ft)	16.7m (54.79ft)	8.3m (27.23ft)
	T	189.6m (622.05ft)	75.8m (248.69ft)	37.9m (124.34ft)	19.0m (62.34ft)

**Intelligence**

EPTZ	Yes
IVS (Perimeter Protection)	Intrusion, Tripwire, Fast Moving (The three functions support the classification and accurate detection of human/vehicle), Loitering Detection, People Gathering and Parking Detection
Smart Object Detection	Smart abandoned object, smart missing object
SMD	SMD 3.0
AcuPick	Uses deep learning algorithms and works with back-end devices to accurately match targets, such as people and motor vehicles, and search through live and recorded videos to quickly locate targets.
AI SSA	Yes
Face Detection	Face Detection, Track, Snapshot optimization, Optimal face snapshot upload, Face enhancement, face exposure, face attributes extraction including 6 attributes and 8 expressions, face snapshot set as face, one-inch photo or custom, snapshot strategies (real-time snapshot, quality priority and optimization snapshot), face angle filter, optimization time setting
People Counting	Tripwire people counting, generating and exporting report (day/week/month/year), people counting in area and queue management, generating and exporting report (day/week/month), 4 rules can be set for tripwire, people counting in area and queue management.
Heat Map	Yes
Video Metadata	Motor vehicle, non-motor vehicle, face, human body detection, track, snapshot, snapshot optimization, optimal face snapshot upload. Motor vehicle attributes: Vehicle type, vehicle color, vehicle logo and other attributes, seatbelt, smoking, calling. Non-Motor vehicle attributes: Type, color, number of people, top type and color, hat Human Body attributes: Gender, top/bottom type/color, bag, hat, and umbrella. Face Attributes: Gender, age, expressions, glasses, face mask and beard.
Smart Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos

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+
AI Coding	AI H.265, AI H.264
Video Frame Rate	Main Stream: 3840 x 2160@1-25/30fps Sub Stream: D1@1-25/30fps Third Stream: 1080p@1-25/30fps Fourth Stream: 720p@1-10fps <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	4 streams
Resolution	8M (3840 x 2160), 6M (3072 x 2048), 5M (3072 x 1728), 5M (2592 x 1944), 4M (2688 x 1520), 3.6M (2560 x 1440), 3M (2048 x 1536), 3M (2304 x 1296), 1080p (1920 x 1080), 1.3M (1280 x 960), 720p (1280 x 720), D1 (704 x 576, 704 x 480), VGA (640 x 480), CIF (352 x 288, 352 x 240)
Bit Rate Control	CBR, VBR
Video Bit Rate	H.264: 32 Kbps ~ 16384 Kbps H.265: 12 Kbps ~ 13568 Kbps
Day/Night	Auto (ICR), Color & B/W
BLC	Yes
HLC	Yes
WDR	120dB
Scene Self-Adaptation (SSA)	Yes
White Balance	Auto, natural, street lamp, outdoor, manual, regional custom
Gain Control	Auto
Noise Reduction	3D NR
Motion Detection	Off/On (4 areas, rectangular)
Region of Interest (ROI)	Yes (4 areas)
Image Stabilization	Electronic Image Stabilization (EIS)
Smart Illumination	Yes
Defog	Yes
Image Rotation	0°, 90°, 180° 270° (Support 90°, 270° with 4M [2688 x 1520] resolution and lower)
Mirror	Yes
Privacy Masking	8 areas
LDC	Yes
Audio	
Built-in Mic	Yes
Audio Compression	G.711a, G.711Mu, PCM, G.726, G.723

**Alarm**

Alarm Event	No SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, motion detection, video tampering, tripwire, intrusion, fast moving, abandoned object, missing object, loitering detection, people gathering, parking detection, scene changing, audio detection, voltage detection, face detection, video metadata, SMD, people counting in area, stay detection, people counting, people number error detection, queue people number alarm, queue time alarm, security exception, defocus detection
-------------	--

Network

Network Port	RJ-45 (10, 100 Enhancement 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, P2P
Interoperability	ONVIF (Profile S, Profile G, Profile T), CGI
User/Host	20 (Total bandwidth: 80M)
Storage	FTP, SFTP, Micro SD card (support max. 512GB), NAS
Browser	IE: IE 9 and later, Chrome: Chrome 102 and later, Firefox: Firefox 88 and later
Management Software	Smart PSS Lite, DSS, DMSS
Mobile Client	iOS & Android
Cybersecurity	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 and importing of X.509 certification

Certification

Certifications	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL62368-1 & CAN/CSA C22.2 No. 62368-1-14
----------------	---

Power

Power Supply	12 VDC/PoE (802.3af)/PoE
Dual Power Backup	When the power adapter and PoE provide power at the same time, disconnect one of them. The device will continue to work, but will not restart.
Power Consumption	Basic: 4.1W (12 VDC), 5.4W (PoE) Max. (H.265 + WDR + Intelligence On + IR On): 7.5W (12 VDC), 9.0W (PoE)



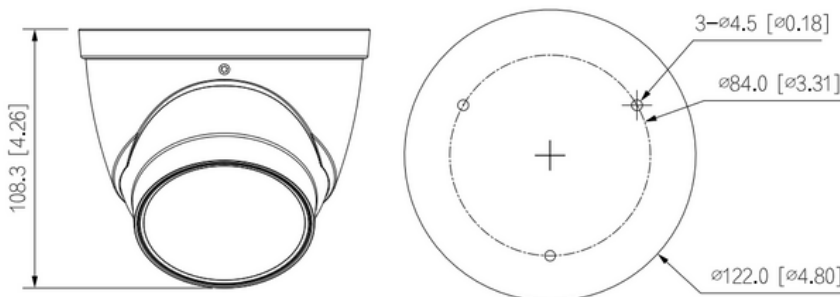
Environment

Operating Temperature	-30°C ~ +60°C (-22°F ~ +140°F)
Operating Humidity	≤95%
Storage Temperature	-40°C ~ +60°C (-40°F ~ +140°F)
Storage Humidity	10% ~ 95% (RH), non-condensing
Protection	IP67

Structure

Casing Material	Metal
Product Dimensions	108.3mm × Φ122 mm (4.26" × Φ4.80")
Net Weight	0.70 kg (1.54lb)
Gross Weight	0.96 kg (2.12lb)

Dimensions



Accessories



PFB203W
Wall Mount Bracket



PFA152-E
Pole Mount Bracket



PFA106
Mount Adapter



PFA137
Junction Box



PFB220C
Ceiling Mount Bracket



PFM900-E
Integrated Mount Tester