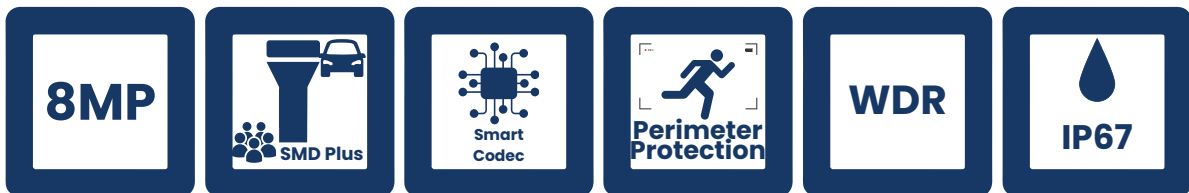




DNC8MZT-WS



Key Features



- 8MP 1/2.7" CMOS image sensor, low luminance & high definition image.
- Outputs max. 8MP (3840 x 2160)@20fps & supports (2688 x 1520)(2688 x 1520)@25/30fps
- H.265 codec, high compression rate & ultra-low bit rate
- Built-in IR LED, the max. illumination distance is 40m.
- ROI, Smart H.264+, H.265+, flexible coding, applicable to various bandwidth & storage environments.
- Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- Intelligent monitoring: intrusion, tripwire (the two functions support the classification & accurate detection of vehicle & human)
- Abnormality detection: motion detection, video tampering, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access & voltage detection.
- Supports max. 256 G Micro SD card, built-in Mic
- 12 VDC/PoE power supply, easy for installation,
- IP67 protection
- SMD Plus.



Specifications

Camera		DNC8MZT-WS
Image Sensor	1/2.7" CMOS	
Max. Resolution	3840 (H) x 2160 (V)	
ROM	128MB	
RAM	256MB	
Scanning System	Progressive	
Electronic Shutter Speed	Auto, manual, 1/3s ~ 1/100,000s	
Min. Illumination	0.008 Lux@F1.5 (Color, 30 IRE) 0.0008 Lux@F1.5 (B/W, 30 IRE) 0 Lux (Illuminator On)	
S/N Ratio	>56dB	
Illumination Distance	40m (131.23ft) (IR LED)	
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	
Mount Type	ϕ14	
Focal Length	2.7mm ~ 13.5mm	
Max. Aperture	F1.5	
Field of View	Horizontal: 113° ~ 31° Vertical: 58° ~ 18° Diagonal: 138° ~ 36°	
Iris Type	Fixed	
Close Focus Distance	0.8m (2.62ft)	



DORI Distance	Lens	Detect	Observe	Recognize	Identify
	W	85.3m (279.86ft)	34.1m (111.88ft)	17.1m (56.10ft)	8.5m (27.89ft)
	T	280.0m (918.64ft)	112.0m (367.45ft)	56.0m (183.73ft)	28.0m (97.86ft)

DORI Distance (Detect, Observe, Recognize, Identify) is a standard system for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent functions distances. For intelligent functions distances, refer to installation and commissioning manual/project design tool.

Intelligence

IVS (Perimeter Protection)	Intrusion, tripwire (the two functions support the classification and accurate detection of human and vehicle)
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
Smart Codec	Smart H.265+, Smart H.264+
Video Frame Rate	Main Stream: 3840 x 2160@1-20fps, 2688 x 1520@1-25/30fps Sub Stream: 704 x 576@1-25fps, 704 x 480@1-30fps <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	2 streams
Resolution	3840 × 2160 (3840 × 2160), 3072 × 2048 (3072 × 2048), 3072 × 1728 (3072 × 1728), 2880 × 1620 (2880 × 1620), 2688 × 1520 (2688 × 1520), 3M (2048 × 1536), 2304 × 1296 (2304 × 1296), 1080p (1920 × 1080), 1.3M (1280 × 960), 720p (1280 × 720), D1 (704 × 576, 704 × 480), VGA (640 × 480), CIF (352 × 288, 352 × 240)
Bit Rate Control	CBR, VBR
Video Bit Rate	H.264: 32 Kbps ~ 8192 Kbps H.265: 12 Kbps ~ 8192 Kbps
Day/Night	Auto (ICR), Color, B/W
BLC	Yes
HLC	Yes
WDR	120dB
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)
Smart Illumination	Yes
Image Rotation	0°, 90°, 180°, 270° (Support 90°, 270° with 2688 x 1520 resolution and lower)
Mirror	Yes
Privacy Masking	4 areas
Audio	
Built-in Mic	Yes
Audio Compression	G.711A, G.711Mu, PCM, G.726
Alarm	
Alarm Event	No SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, motion detection, video tampering, tripwire, intrusion, audio detection, voltage detection, defocus detection, SMD, security exception
Network	
Network Port	RJ-45 (10, 100 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, PPPoE, Bonjour
Interoperability	ONVIF (Profile S, Profile G, Profile T), CGI, P2P, Milestone
User/Host	20 (Total bandwidth: 48m)
Storage	FTP, SFTP, Micro SD card (Support max. 256GB), NAS
Browser	IE, Chrome, Firefox
Management Software	Smart PSS, DSS, DMSS
Mobile Client	iOS & Android
Cyber Security	Configuration and trusted encryption, digest, security logs, WSSE, account logout, 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**

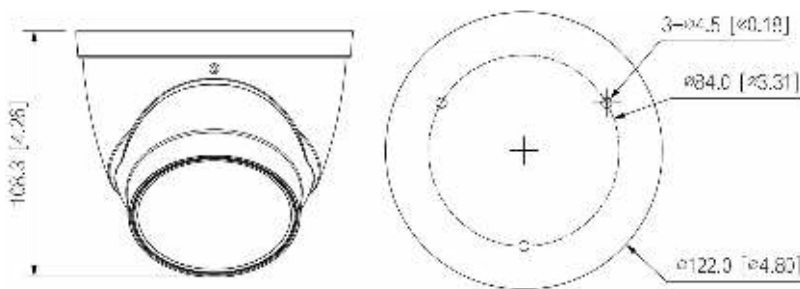
Power Supply	12 VDC/PoE (802.3af)
Power Consumption	Basic: 2.8W (12 VDC), 3.6W (PoE) Max. (H.265 + max. resolution + max. stream + WDR + IR intensity + IVS): 6.4W (12 VDC), 7.6W (PoE)

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	≤95%
Protection	IP67

Structure

Casing Material	Metal
Product Dimensions	108.3mm x 122mm (4.26" x 4.80")
Net Weight	0.70kg (1.54lb)
Gross Weight	0.88kg (1.94lb)

Dimensions**Accessories**

PFB205W
Wall Mount Bracket



PFA152-E
Pole Mount Bracket



PFB220C
Ceiling Mount Bracket



PFA130-E
Junction Box



PFM900-E
Integrated
Mount Tester



PFA106
Mount Adapter