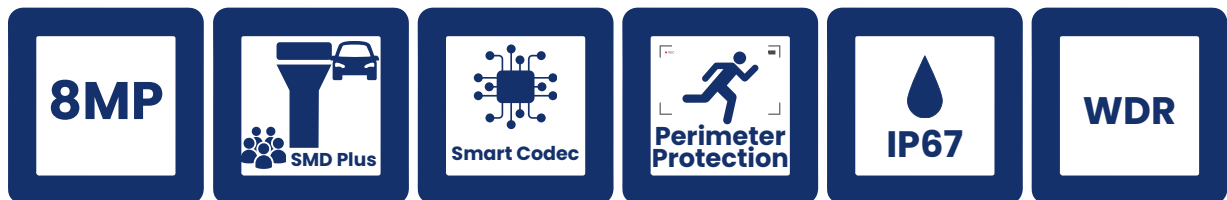




DNC8MZBL-WS



Key Features



- 8-MP 1/2.7" CMOS image sensor, low luminance, & high definition image.
- Outputs max. 8 MP (3840 × 2160) @20 fps & supports 2688 × 1520 (2688 × 1520) @25/30 fps.
- H.265 codec, high compression rate & ultra-low bit rate.
- Built-in IR LED & the max. illumination distance is 60 m.
- 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 and accurate detection of human and vehicle).
- 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.
- Alarm: 1 in, 1 out, Audio: 1 in, 1 out, supports max. 256 G Micro SD card, built in MIC.
- 12 VDC/PoE power supply, easy for installation.
- IP67, IK10 (optional) protection.
- SMD Plus.



Specifications

Camera		DNC8MZBL-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	Up to 60m (196.85ft) (IR)	
Illuminator On/Off Control	Auto, manual	
Illuminator Number	4 (IR LED)	
Pan/Tilt/Rotation Range	Pan: 0° ~ 360° Tilt: 0° ~ 90° 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)

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 (Only supported by the sub stream)
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, P2P
Interoperability	ONVIF (Profile S, Profile G, Profile T), CGI
User/Host	20 (Total bandwidth: 48m)
Storage	FTP, SFTP, Micro SD card (Support max. 256GB), NAS
Browser	IE, Chrome, Firefox
Management Software	Smart PSS Lite, 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

**Port**

Audio Input	1-Channel (RCA Port)
Audio Output	1-Channel (RCA Port)
Alarm Input	1-Channel in: 5mA 3V~5 VDC
Alarm Output	1-Channel out: 300mA 12VDC

Power

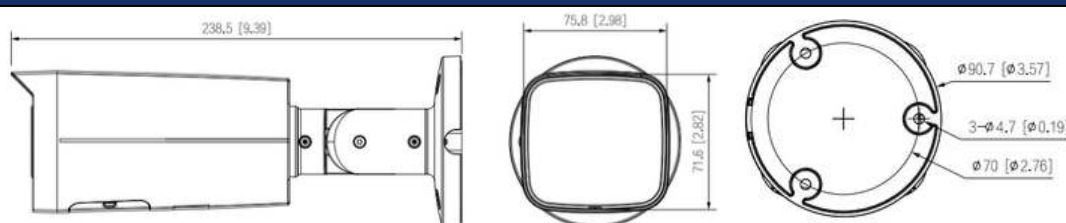
Power Supply	12VDC/PoE (802.3af)
Power Consumption	Basic: 2.7W (12 VDC): 3.6W (PoE), Max. (H.265 + max. resolution + max. stream + WDR + IR intensity + IVS): 8.4W (12VDC), 9.7W (PoE)

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, IK10 (Optional)

Structure

Casing Material	Metal
Product Dimensions	238.5mm x 90.7mm x 90.7mm (9.39" x 3.57" x 3.57") (L x W x H)
Net Weight	0.77kg (1.70lb)
Gross Weight	1.01kg (2.23lb)

Dimensions**Accessories**

PFA152-E
Pole Mount Bracket



PFA130-E
Junction Box



PFM900-E
Integrated
Mount Tester