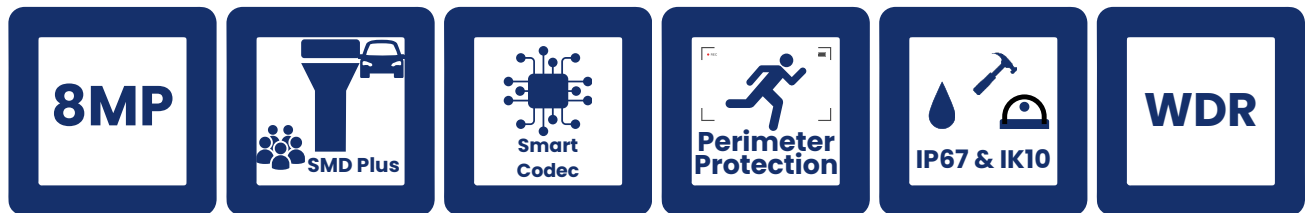




DNC8MZVD-WS



Key Features



- 8MP 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 40 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 vehicle and 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.
- 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 protection.
- SMD Plus.



Specifications

System		DNC8MZVD-WS			
Image Sensor		1/2.7" CMOS			
Max. Resolution		3840 (H) x 2160 (V)			
ROM		128 MB			
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		>56 dB			
Illumination Distance		40m (131.23ft) (IR)			
Illuminator On/Off Control		Auto, manual			
Illuminator Number		2 (IR LED)			
Pan/Tilt/Rotation Range		Pan: 0° ~ 355° Tilt: 0° ~ 67° Rotation: 0° ~ 355°			
Lens					
Lens Type		Motorized Vari-Focal			
Lens Mount		ϕ14			
Focal Length		2.7mm ~ 13.5mm			
Max. Aperture		F1.5			
Field of View		Horizontal: 113° ~ 31°, Vertical: 58° ~ 18°, Diagonal: 138° ~ 36°			
Iris Control		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)



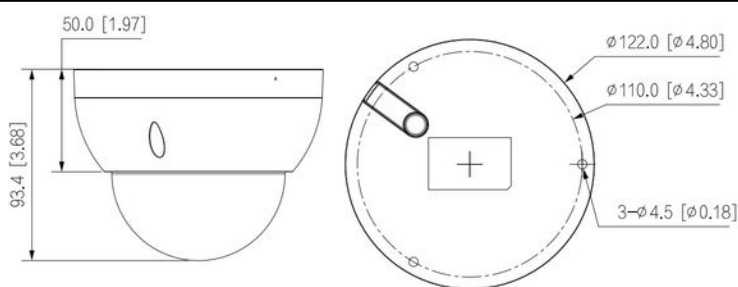
Intelligence	
IVS (Perimeter Protection)	Intrusion, tripwire (the two functions support the classification & accurate detection of human and vehicle)
Smart Search	Work together with Smart NVR to perform refine intelligent search, event extraction & merging to event videos
Video	
Video Compression	H.265, 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	120 dB
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 × 1520 resolution & 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, external alarm, 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. 256 GB), NAS
Browser	IE, Chrome, Firefox
Management Software	Smart PSS, DSS, DMSS
Mobile Client	iOS & Android
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 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 12 VDC
Power	
Power Supply	12 VDC/PoE (803.3af)
Power Consumption	Basic: 2.7W (12 VDC), 3.4W (PoE) Max. (H.265 + max. resolution + main stream + WDR + IR intensity + IVS): 6.4W (12 VDC), 7.3W (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
Structure	
Casing Material	Metal
Product Dimensions	93.4mm x 122mm (3.68" x 4.80")
Net Weight	0.51kg (1.12lb)
Gross Weight	0.67kg (1.48lb)
Dimensions	



Accessories



PFA137
Junction Box



PFB203W
Wall Mount Bracket



PFA152-E
Pole Mount Bracket



PFB220C
Ceiling Mount Bracket



PFM900-E
Integrated Mount Tester