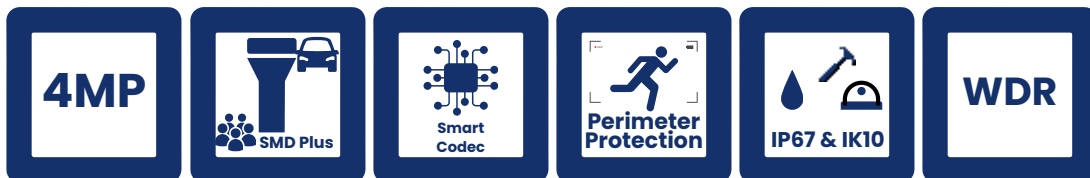




DNC4MZVD-Ai2



Key Features



- 4MP 1/2.9" CMOS image sensor low luminance & high definition image
- Outputs max. 4MP (2688 x 1520)@20fps & supports (2560 x 1440)(2560 x 1440)@25/30fps
- H.265 codec, high compression rate & ultra-low bit rate
- Built-in IR LED, & the max. illumination distance: 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
- Alarm: 1 in, 1 out (Only- ZAS supports), Audio: 1 in, 1 out (Only-ZAS supports), supports max. 256 G Micro SD card, built-in Mic
- 12 VDC/PoE power supply, easy for installation
- IP67 & IK10 protection
- SMD Plus.



Specifications

Camera		DNC4MZVD-Ai2			
Image Sensor		1/2.9" CMOS			
Max. Resolution		2688 (H) x 1520 (V)			
ROM		128MB			
RAM		128MB			
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° ~ 355° Tilt: 0° ~ 67° Rotation: 0° ~ 355°			
Lens					
Lens Type		Motorized Vari-Focal			
Mount Type		φ14			
Focal Length		2.7mm ~ 13.5mm			
Max. Aperture		F1.5			
Field of View		Horizontal: 104° ~ 29° Vertical: 54° ~ 16° Diagonal: 125° ~ 34°			
Iris Type		Fixed			
Close Focus Distance		0.8m (2.62ft)			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	W	64.0m (209.97ft)	25.6m (83.99ft)	12.8m (41.99ft)	6.4m (20.99ft)
	T	210.0m (688.97ft)	84.0m (275.59ft)	42.0m (137.80ft)	21.0m (68.90ft)



Intelligence	
IVS (Perimeter Protection)	Intrusion, tripwire (The two functions support the classification & accurate detection of human & 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: 2688 x 1520@1-20fps, 2560 x 1440@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	2688 × 1520 (2688 × 1520), 2560 × 1440 (2560 × 1440), 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 ~ 6144 Kbps H.265: 12 Kbps ~ 6144 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 & lower)
Mirror	Yes
Privacy Masking	4 areas



Audio	
Built-in Mic	Yes
Audio Compression	G.711A, G.711Mu, G.726, PCM
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, voltage & defocus detection, external alarm (Only-ZAS supports), 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, NTP, Multicast, ICMP, IGMP
Interoperability	ONVIF (Profile S, Profile T), CGI, P2P, Milestone
User/Host	6 (Total bandwidth: 36M)
Storage	FTP, SFTP, Micro SD card (support max. 256GB)
Browser	IE Chrome Firefox
Management Software	Smart PSS, DSS, DMSS
Mobile Client	iOS & Android
Cybersecurity	Video & configuration encryption, Digest, WSSE, account lockout, security logs, IP/MAC filtering, generation & importing of X.509 certification, syslog, HTTPS, 802.1x, trusted boot, trusted execution & trusted upgrade
Certification	
Certifications	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B
Port	
Audio Input	1-Channel (RCA port)
Audio Output	1-Channel (RCA port)
Alarm Input	1-Channel in: 5mA 3V ~ 5V DC
Alarm Output	1-Channel out: 300mA 12V DC



Power

Power Supply	12 VDC/PoE (802.3af)
Power Consumption	Basic: 2.3W (12 VDC), 3.2 W (PoE) Max. (H.265 + intelligence on + WDR + IR On): 6.4W (12VDC), 7.6W (PoE)

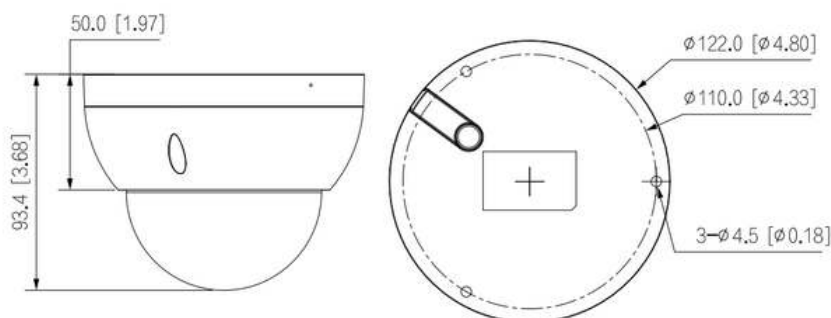
Environment

Operating Temperature	-30°C ~ +60°C (-22°F ~ +140°F)
Operating Humidity	≤95%
Storage Temperature	-40°C ~ +60°C (-40°F ~ +140°F)
Protection	IP67, IK10

Structure

Casing Material	Metal
Product Dimensions	93.4mm × Φ122mm (3.68" × Φ4.80")
Net Weight	0.49 kg(1.08 lb)
Gross Weight	0.66 kg(1.46 lb)

Dimensions



Accessories



PFA137
Junction Box



PFB203W
Wall Mount Bracket



PFA152-E
Pole Mount Bracket



PFB220C
Ceiling Mount Bracket