



DNC4WMB-DL-ULL



Key Features



- Dual AI sensors with multi-spectral imaging technology that produces colorful images in low illumination conditions.
- Outputs max. 4 MP (2688 × 1520)@25/30 fps.
- Built-in warm light/IR LED, with a maximum illumination distance: 50m.
- ROI, Smart H.264+, H.265+, Ai H.2654, H.265, flexible coding applicable to various bandwidth & storage environments.
- Rotation mode, DWDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- Intelligent Monitoring: Intrusion, tripwire, fast moving (the three functions support the classification & accurate detection of vehicle & human), abandoned object, missing object, loitering detection, people gathering & parking detection.
- Face Detection: track, snapshot, snapshot optimization, optimal face snapshot upload, face enhancement & face exposure.
- People Counting: Queue management, people counting in area, entered/exited people counting & generating & exporting report (day/month/year).
- Alarm: 1 in, 1 out: Audio 1 in, 1 out. Supports max. 256 G Micro SD card, built-in Mic & Speaker & supports two-way talk.
- 12 VDC/PoE power supply.
- IP67 protection.



Specifications

Camera		DNC4WMB-DL-ULL
Image Sensor	1/1.8" + 1/1.8" CMOS	
Max. Resolution	2688 (H) x 1520 (V)	
ROM	128MB	
RAM	1GB	
Scanning System	Progressive	
Electronic Shutter Speed	Auto, manual 1/3s ~ 1/100,000s	
Min. Illumination	0.0002 Lux@F1.0	
S/N Ratio	>56 db	
Illumination Distance	50m (164.04ft)	
Illuminator On/Off Control	Auto, manual	
Illuminator Number	4 (IR Light), 2 (Warm Light)	
Pan/Tilt/Rotation Range	Pan: 0° ~ 360° Tilt: 0° ~ 90° Rotation: 0° ~ 360°	
Lens		
Lens Type	Fixed-Focal	
Lens Mount	M16	
Focal Length	2.8mm, 3.6mm, 6mm	
Max. Aperture	F1.0	
Field of View	2.8mm: Horizontal: 97°, Vertical: 48°, Diagonal: 115° 3.6mm: Horizontal: 75°, Vertical: 39°, Diagonal: 87° 6mm: Horizontal: 47°, Vertical: 25°, Diagonal: 56°	
Iris Control	Fixed	
Close Focus Distance	2.8mm: 4m (13.1ft) 3.6mm: 5m (16.4ft) 6mm: 6m (19.7ft)	



DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8mm	58.2m (190.94ft)	23.3m (76.44ft)	11.6m (38.06ft)	5.8m (19.03ft)
	3.6mm	70.3m (230.64ft)	28.1m (92.19ft)	14.1m (46.26ft)	7.0m (22.97ft)
	6mm	116.1m (380.91ft)	46.5m (152.56ft)	23.2m (76.12ft)	11.6m (38.06ft)
Smart Event					
IVS		Abandoned object & missing object			
Heat Map		Yes			
Professional Intelligent					
IVS (Perimeter Protection)		Tripwire, intrusion, fast moving (the three functions support the classification & accurate detection of vehicle & human), loitering detection, people gathering & parking detection			
SMD 3.0		Less false alarm, longer detection distance			
Face Detection		Face detection, track, snapshot, snapshot optimization, optimal face snapshot upload, face enhancement, face exposure, face attributes extraction including 6 face attributes (gender, age, glasses, expressions, mask & beard), 8 expressions (angry, sad, disgusted, scared, surprised, calm, happy & confused), face snapshot set as face, one-inch photo or custom, 3 snapshot strategies (real-time snapshot, optimization snapshot & quality first), face angle filter, optimization time setting			
People Counting		Support the counting of enter number, leave & pass number, displaying & outputting yearly/monthly/daily reports Support the counting number of people or stay time & link alarm Support queue management & 4 rules configuration. Count number of people or stay time & link alarm			
Intelligent 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.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: 2688 x 1520@1-25/30fps Sub Stream: 704 x 576@1-25/30fps, 704 x 480@1-30fps Third Stream: 1920 x 1080@1-25/30fps <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		3 streams			
Resolution		4M (2688 x 1520), 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 ~ 8192 Kbps H.265: 19 Kbps ~ 8192 Kbps
Day/Night	Color & B/W
BLC	Yes
HLC	Yes
WDR	DWDR
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)
Image Rotation	0°, 90°, 180°, 270° (Support 90°, 270° with 1080p resolution & lower)
Mirror	Yes
Privacy Masking	4 areas
Audio	
Built-in Mic	Yes
Audio Compression	PCM, G.711A, G.711Mu, 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, people counting in area, stay detection, people counting, people number error detection, security exception, defocus detection, people number alarm & queue time alarm
Network	
Network Port	RJ-45 (10/100 Enhancement Base-T)
SDK & API	Yes
Cyber Security	Video encryption, configuration encryption, digest, WSSE, account lockout, security logs, generation & importing of X.509 certification, HTTPS, trusted boot, trusted execution, trusted upgrade

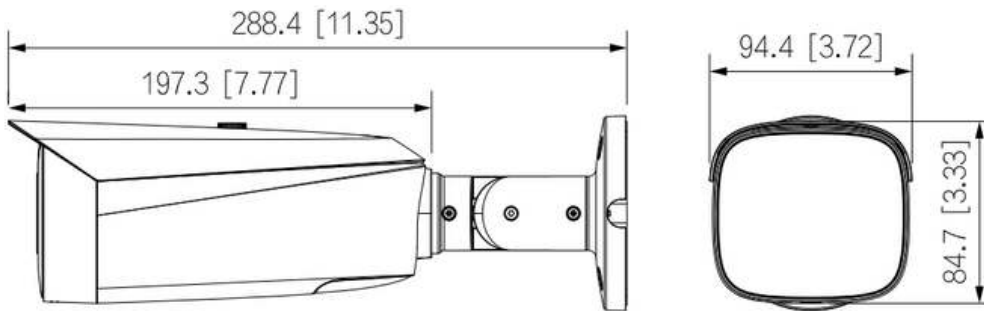


Network Protocol	IPv4, IPv6, HTTP, TCP, UDP, ARP, RTP, RTSP, SMTP, FTP, DHCP, NTP, Multicast, DDNS
Interoperability	ONVIF (Profile S, Profile G, Profile T), CGI, Milestone, Genetec, P2P
Storage	FTP, SFTP, Micro SD card, (support max. 256G), NAS
Browser	IE: IE8, IE9, IE11 Chrome Firefox
Management Software	Smart PSS, DSS, DMSS
Mobile Client	iOS & Android
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: 5 mA 3V ~ 5VDC
Alarm Output	1-Channel Out: 300mA 12 VDC
Power	
Power Supply	12 VDC ($\pm 30\%$), PoE (802.3af), ePoE
Power Consumption	Basic: 3.4W (12 VDC), 4.5W (PoE) Max. (H.265 + IR & Warm light on): 9.9W (12 VDC), 11.8W (PoE)
Environment	
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Operating Humidity	$\leq 95\%$
Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Protection	IP67
Structure	
Casing	Metal
Product Dimensions	288.4 mm $\times$ 94.4 mm $\times$ 84.7 mm (11.35" $\times$ 3.72" $\times$ 3.33") (L $\times$ W $\times$ H)
Net Weight	1.0 kg (2.20 lb)



Gross Weight	1.23 kg (2.71lb)
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Dimensions



Accessories



PFA130-E
Junction Box



PFA152-E
Pole Mount Bracket