



DNC8WMMZBLR



Key Features



- 8MP 1/1.8" CMOS image sensor, low luminance & high definition image
- Outputs max. 8MP (3840 x 2160)@30fps
- Max. IR distance: 120m
- 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.
- Alarm: 2 in, 1 out, Audio: 1 in, 1 out, supports max. 256 G Micro SD Card
- 12V DC/PoE power supply
- ePoE, IP67, IK10 protection
- SMD 3.0



Specifications

Camera		DNC8WMMZBLR			
Image Sensor		1/1.8" CMOS			
Max. Resolution		3840 (H) x 2160 (V)			
ROM		129MB			
RAM		1GB			
Scanning System		Progressive			
Electronic Shutter Speed		Auto, manual, 1/3s ~ 1/100,000s			
Min. Illumination		0.004 Lux@F1.4 (Color, 30 IRE) 0.0004 Lux@F1.4 (B/W, 30 IRE) 0 Lux@F1.4 (Illuminator On)			
S/N Ratio		>56dB			
Illumination Distance		120.0m (393.7ft)			
Illumination On/Off Control		Auto, Manual, Zoomprio			
Illuminator Number		Four (4) (IR)			
Pan/Tilt/Rotation Range		Pan: 0° ~ 360° Tilt: 0° ~ 90° Rotation: 0° ~ 360°			
Lens					
Lens Type		Motorized Vari-Focal			
Mount Type		Module			
Focal Length		8mm ~ 32mm			
Max. Aperture		F1.4 (Constant)			
Field of View		Horizontal: 42.° ~ 14.9° Vertical: 23.3° ~ 8.6° Diagonal: 48.5° ~ 16.9°			
Iris Control		Auto			
Close Focus Distance		W: 3.0m (9.84ft), T: 5.5m (18.04ft)			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	W	213.6m (700.8ft)	85.4m (280.2ft)	42.7m (140.1ft)	21.4m (70.2ft)
	T	572.8m (1879.3ft)	229.1m (751.6ft)	114.6m (376.0ft)	70.2m (188.0ft)



Smart Event	
IVS	Abandoned Object, Missing Object
Heat Map	Yes
Professional, Intelligent	
IVS (Perimeter Protection)	Tripwire, Intrusion, fast moving (the three (3) functions support the classification & accurate detection of human & vehicle), loitering detection, people gathering, parking detection
Face Detection	Face detection, track, snapshot, optimization, snapshot, face enhancement, face exposure, face matting setting: face, single inch photo, three (3) snapshot methods: real-time snapshot, optimized snapshot, quality priority snapshot, face angle filter, optimization time setting
People Counting	Support the counting of enter, leave & pass number & displaying & outputting yearly, monthly, daily reports. Support the counting of number in area, & 4 rules configuration. Count number of people or stay time and link alarm. Support queue management, & 4 rules configuration. Count number of people or stay time and link alarm.
Intelligent 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+, H.264+
Video Frame Rate	Main Stream: 3840× 2160@1fps~25/30fps Sub Stream: D1@1fps~25/30fps Third Stream: 1080p@1fps~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	3840 × 2160, 3072 × 2048, 3072 × 1728, 2592 × 1944, 2688 × 1520, 2048 × 1536, 2304 × 1296, 1080p (1920 × 1080), 1.3MB (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: 3 kbps ~ 20480 kbps H.265: 3 kbps ~ 20480 kbps
Day/Night	Auto (ICR), Color, B/W
BLC	Yes
HLC	Yes



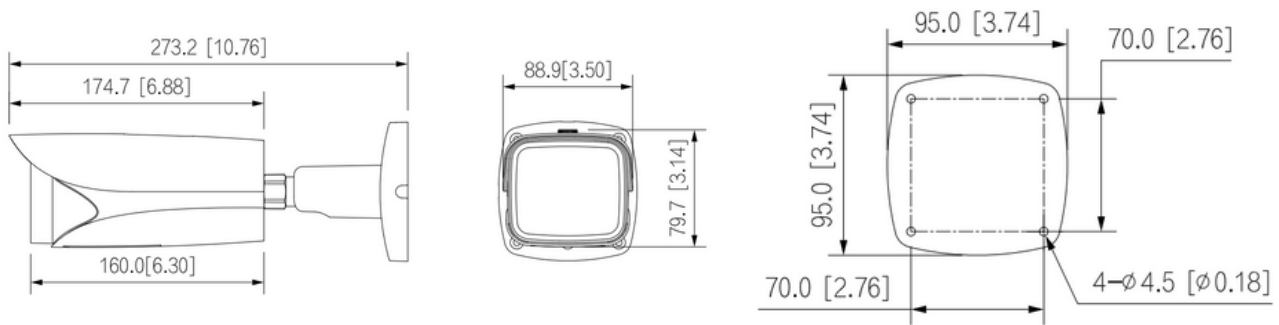
WDR	120dB
White Balance	Auto, Natural, Street Lamp, Outdoor, Manual, Regional Custom
Gain Control	Auto, Manual
Noise Reduction	3D NR
Motion Detection	Off/On (4 areas, rectangular)
Region of Interest (ROI)	Yes (4 areas)
Image Stabilization	Electronic Image Stabilization (EIS)
Defog	Yes
Image Rotation	0°, 90°, 180°, 270° (Support 90°, 270° with 4MP resolution and lower)
Mirror	Yes
Privacy Masking	8 areas
Audio	
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, defocus detection, scene changing, intrusion, tripwire, abandoned object, missing object, fast moving, parking detection, loitering detection, people gathering, input abnormal detection, intensity change detection, people counting, face detection, people counting in area, stay alarm, people No. exception detection, queue management
Network	
Network Port	RJ-45 (10, 100 Base-T)
SDK & API	Yes
Cyber Security	Video & 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, HTTPS, TCP, UDP, ARP, RTP, RTSP, RTCP, RTMP, SMTP, FTP, SFTP, DHCP, DNS, DDNS, QoS, UPnP, NTP, Multicast, ICMP, IGMP, NFS, SAMBA, PPPoE, 802.1x, SNMP
Interoperability	ONVIF (Profile S, Profile G, Profile T), CGI, Milestone, P2P
User/Host	20 (Total Bandwidth: 80M)
Storage	FTP, SFTP, Micro SD card (Support max. 265G), NAS
Browser	IE: IE8 & Later, Chrome, Firefox



Management Software	Smart PSS, DSS, DMSS
Mobile Client	iOS & Android
Certification	
Certifications	CE-LVD: EN62368-14 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07
Port	
Audio Input	1-Channel (RCA Port)
Audio Output	1-Channel (RCA Port)
Alarm Input	2-Channels In: 5mA 3V~5VDC
Alarm Output	1-Channels Out: 300mA 12 VDC
Alarm Output	2-Channels Out: 1,000mA 30VDC, 500mA 50VDC
Power	
Power Supply	12 VDC ($\pm 30\%$), PoE (802.3af), ePoE
Power Consumption	Basic power consumption: 6.4W (12 VDC), 6.9W (PoE) Max. power consumption (H.265 + max. stream + intelligent function + IR LED + focus): 7.7W (12 VDC), 7.9W (PoE)
Environment	
Operating Temperature	-30°C ~ +60°C (-22°F ~ +140°F), Less than 95% RH
Storage Temperature	-30°C ~ +60°C (-22°F ~ +140°F), Less than 95% RH
Protection	IP67, IK10
Structure	
Casing	Metal, Plastic
Product Dimensions	273.2mm × 95.0mm × 95.0mm (10.76" × 3.74" × 3.74")
Net Weight	1.11 kg (2.45 lb)
Gross Weight	1.51 kg (3.33 lb)



Dimensions



Accessories



PFA152-E
Pole Mount Bracket



PFA121
Junction Box



PFM900-E
Integrated
Mount Tester