



DNC8WMB-EFCMS



Key Features



- 8MP 1/1.2" CMOS image sensor, low illuminance, high image definition
- Outputs max. 8MP (3840 x 2160)@30fps
- Built-in warm illuminator and the max. illumination distance: 40m
- ROI, Smart H.264+, Smart H.265+, flexible coding applicable to various bandwidth and storage environments
- Rotation Mode, WDR, 3D NR, HLC, BLC, Digital Watermarking, applicable to various monitoring scenes
- Alarm: 1 in, 1 out. Audio: 1 in, 1 out. Supports max. 256G Micro SD card, built-in Mic & Speaker
- 12V DC/PoE power supply
- ePoE, IP67 protection
- SMD 3.0



Specifications

Camera		DNC8WMB-EFCMS			
Image Sensor		1/1.2" CMOS			
Max. Resolution		3840 (H) x 2160 (V)			
ROM		128MB			
RAM		1GB			
Scanning System		Progressive			
Electronic Shutter Speed		Auto, manual, 1/3 ~ 1/100,000s			
Min. Illumination		0.0005 Lux@F1.0			
S/N Ratio		>56dB			
Illumination Distance		50m (164.04ft)			
Illuminator On/Off Control		Auto, Manual			
Illuminator Number		4 Warm Light			
Pan/Tilt/Rotation Range		Pan: 0° ~ 360° Tilt: 0° ~ 90° Rotation: 0° ~ 360°			
Lens					
Lens Type		Fixed-Focal			
Lens Mount		M22			
Focal Length		2.8mm, 3.6mm			
Max. Aperture		F1.0			
Field of View		2.8mm: Horizontal: 112°, Vertical: 61°, Diagonal: 131° 3.6mm: Horizontal: 91°, Vertical: 50°, Diagonal: 106°			
Iris Type		Fixed			
Close Focus Distance		2.8mm: 3.1m (10.2ft) 3.6mm: 5.4m (17.7ft)			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8mm	82.8m (271.7ft)	33.1m (108.6ft)	16.6m (54.5ft)	8.3m (27.2ft)
	3.6mm	120.4m (395.1ft)	48.2m (158.1ft)	24.1m (79.1ft)	12.0m (39.4ft)

**Smart Event**

IVS	Abandoned object, missing object
Heat Map	Yes

Professional, Intelligent

IVS (Perimeter Protection)	Intrusion, tripwire, fast moving (The three functions support the classification and accurate detection of human and vehicle), loitering detection, people gathering, and parking detection
Face Detection	Face detection, track, optimization, snapshot, face enhancement, face exposure, face matting setting, face, single inch photo, three snapshot methods, real-time snapshot, optimization snapshot, quality priority, face angle filter, optimization time setting
People Counting	Support the counting of enter number, leave number and pass number, displaying and outputting yearly/monthly/weekly/daily reports. Support the counting of number in area, and 4 rules configuration count number of people or stay time and link alarm Support queue management and 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+, Smart H.264+
Video Frame Rate	Main Stream: 3840 x 2160@1-25/30fps Sub Stream: D1@1-25/30fps Third Stream: 1080@1-25/30fps <i>The values above are the max. frame rates of each stream, for multiple streams, the values will subjected to the total encoding capacity</i>
Stream Capability	3 Streams
Resolution	3840 x 2160, 3072 x 2048, 2592 x 1944, 2688 x 1520, 2304 x 1296, 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: 12 Kbps ~ 8192 Kbps
Day/Night	Color, B/W
BLC	Yes
HLC	Yes



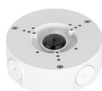
WDR	140dB
Defog	Yes
White Balance	Auto, natural, street lamp, outdoor, manual, regional custom
Gain Control	Auto, manual
Noise Reduction	3D NR
Motion Detection	Off/On (4 areas, rectangular)
Region of Interest (ROI)	Yes (4 areas)
Image Rotation	0°, 90°, 180°, 270°
Mirror	Yes
Privacy Masking	4 areas
Audio	
Built-in Mic	Yes
Audio Compression	PCM, G.711a, G.711Mu, G.726, G.723, AAC
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, security exception, defocus detection, people number alarm, queue time alarm
Network	
Network Port	RJ-45 (10, 100 Enhancement Base-T)
SDK & API	Yes
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
Cyber Security	Video and configuration encryption, digest, WSSE, account lockout, security logs, generation and importing of X.509 certification, HTTPS, trusted boot, trusted execution, trusted upgrade
Interoperability	ONVIF (Profile S, Profile G, Profile T), CGI, Milestone, P2P
Storage	FTP, SFTP, Micro SD card (Support max. 256G), NAS
Browser	IE: IE 8 and later. Chrome. Firefox. Safari: Safari 12 and later.
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: 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	1-Channel In: 5 mA 3~5 VDC
Alarm Output	1-Channel Out: 300mA 12 VDC
Power	
Power Supply	12 VDC ($\pm 30\%$), PoE (802.3af), ePoE
Power Consumption	Basic Power Consumption: 3.2W (12V DC), 3.8W (PoE) Max. Power Consumption (H.264 + Max. Stream + Intelligent Function + LED On): 11.3W (12V DC), 12.3W (PoE)
Environment	
Operating Temperature	-40°C ~ +60°C (-40°F ~ +140°F) / less than 95% RH
Storage Conditions	-40°C ~ +60°C (-40°F ~ +140°F)
Protection	IP67
Structure	
Casing	Metal
Product Dimensions	288.4mm x 94.4mm x 84.7mm (11.4" x 3.7" x 3.3") (L x W x H)
Net Weight	1.15kg (2.5lb)
Gross Weight	1.38kg (3.0lb)
Accessories	



PFM900-E
Integrated
Mount Tester



PFA130-E
Junction Box



PFA152-E
Pole Mount Bracket



LR1002-1ET/1EC
Single-Port Long Reach
Ethernet Over Coax Extender