



DNC4WMMZVD-EFCMS



Key Features



- 4MP 1/1.8" CMOS image sensor, low illuminance & high image definition
- Outputs max. 4MP (2688 × 1520)@30fps
- Built-in warm illuminator & the max. illumination distance: 40m
- ROI, Smart H.264+, Smart 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: 1 in, 1 out. Audio: 1 in, 1 out. Supports max. 256 G Micro SD card.
- Built-in Mic & speaker, support two-way talk
- 12V DC/PoE power supply
- ePoE, IP67, IK10 protection
- SMD 3.0



Specifications

Camera		DNC4WMMZVD-EFCMS			
Image Sensor		1/1.8" CMOS			
Max. Resolution		2688 (H) x 1520 (V)			
ROM		128MB			
RAM		512MB			
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		40m (131.2ft)			
Illuminator On/Off Control		Auto, Manual, Zoomprio			
Illuminator Number		3 (Warm Light)			
Pan/Tilt/Rotation Range		Pan: 0° ~ 355° Tilt: 0° ~ 80° Rotation: 0° ~ 355°			
Lens					
Lens Type		Motorized Vari-Focal			
Mount Type		φ16			
Focal Length		2.7mm ~ 12mm			
Max. Aperture		F1.0			
Field of View		Horizontal: 115° ~ 48° Vertical: 59° ~ 27° Diagonal: 142° ~ 55°			
Iris Type		Auto			
Close Focus Distance		1.75m (5.74ft)			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	W	60.4m (198.2ft)	24.1m (79.1ft)	12m (39.4ft)	6m (19.7ft)
	T	128.6m (421.9ft)	51.4m (168.6ft)	25.7m (84.3ft)	12.8m (42.0ft)

**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: 2688 x 1520@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	4M (2688 × 1520), 4M (2560 × 1440), 3M (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: 3 Kbps ~ 20480 Kbps H.265: 3 Kbps ~ 20480 Kbps
Day/Night	Color, B/W
BLC	Yes
HLC	Yes



WDR	140dB
Scene Self-Adaptation (SSA)	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	8 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, scene changing, intrusion, tripwire, abandoned object, missing object, fast moving, parking detection, loitering 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 and configuration encryption, digest, WSSE, account lockout, security logs, generation and importing of X.509 certification, HTTPS, trusted boot, trusted execution, trusted upgrade
Network Protocol	IPv4/IPv6, HTTP, TCP, UDP, ARP, RTP, RTSP, RTCP, RTMP, SMTP, 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. 256G), NAS
Browser	IE: IE 8 and later. 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: 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: 2.3W (12 VDC), 3.3W (PoE) Max. (H.265 + 3 Streams + Intelligence + LED): 7.4W (12 VDC), 9.0W (PoE)
Environment	
Operating Temperature	-30°C ~ +60°C (-22°F ~ +140°F) / less than 95% RH
Storage Conditions	-40°C ~ +60°C (-40°F ~ +140°F)
Protection	IP67, IK10
Structure	
Casing	Metal
Product Dimensions	105mm x 126mm (4.1" x 5.0")
Net Weight	716.g (1.6lb)
Gross Weight	929.7g (2.0lb)
Accessories	



PFA135
Junction Box



PFA109
Mount Adapter



PFA156
Pole Mount Bracket



PFB220C
Ceiling Mount Bracket



PFM900-E
Integrated Mount Tester



PFB206W
Wall Mount Bracket



PFM321D
12V DC 1 A
Power Adapter