



DNC4WMMZBLR



Key Features



- 4MP 1/1.8" CMOS image sensor, low luminance & high definition image.
- Outputs. max. 4MP (2688 x 1520)@30fps.
- H.265 codec, high compression rate & ultra-low bit rate.
- Built-in IR LED & the max. illumination distance is 120m.
- ROI, Smart H.264+, H.265+, Ai 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, fast moving (the three functions support the classification & accurate detection of vehicle & human), abandoned object, missing object, loitering detection, people gathering, parking detection, heat map & face detection.
- Abnormality detection: motion detection, video tampering, scene changing, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict & illegal access.
- Alarm: 2 in, 1 out: Audio: 1 in, 1 out, supports max. 256 G Micro SD card
- 12 VDC/PoE power supply, easy for installation
- ePoE, IP67, IK10 protection
- SMD 3.0



Specifications

DNC4WMMZBLR					
Camera					
Image Sensor		1/1.8" CMOS			
Max. Resolution		2688 (H) x 1520 (V)			
ROM		128 MB			
RAM		1 GB			
Scanning System		Progressive			
Electronic Shutter Speed		Auto, manual 1/3 s - 1/100,000 s			
S/N Ratio		>56 dB			
Min. Illumination		0.002 lux@F1.6 (Color, 30 IRE) 0.0002 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)			
Illumination Distance		120m (393.7 ft)			
Illuminator On/Off Control		Auto, manual, zoomprio			
Illuminator Number		3 (IR LED)			
Angle Adjustment		Pan: 0° - 355° Tilt: 0° - 65° Rotation: 0° - 355°			
Lens					
Lens Type		Motorized Vari-focal			
Lens Mount		Module			
Focal Length		8mm - 32mm			
Max. Aperture		F1.6			
Field of View		Horizontal: 43° - 15° Vertical: 23° - 8° Diagonal: 50° - 17°			
Close Focus Distance		W: 2.5m (8.20 ft) T: 6m (19.69 ft)			
Iris Control		Auto			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	W	151.1m (495.4 ft)	60.7m (199.1 ft)	30.3m (99.4 ft)	15.1m (49.5 ft)
	T	400.0m (1312.3 ft)	160.0m (524.9 ft)	80.0m (262.5 ft)	40.0m (131.2 ft)
Smart Event					
IVS		Abandoned object, missing object			
Heat Map		Yes			
IVS (Perimeter Protection)		Intrusion, tripwire, 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 number & pass number & displaying & outputting yearly/monthly/daily reports. Supports the counting of numbers in area & 4 rules configuration. Count number of people or stay time & link alarm. Support queue management & 4 rules configuration. Count number of people or stay time & link alarm.
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+
Ai Coding	Ai H.265, Ai H.264
Video Frame Rate	Main Stream: 2688 x 1520 (1 - 25/30fps), 1920 x 1080 (1 - 50/60fps) Sub Stream: D1@ (1 - 25/30fps) Third Stream: 1080p@ (1 - 25/30fps) *The values above are the max. frame rate of each stream, for multiple streams, the values will be subjected to the total encoding capacity.
Stream Capability	3 streams
Resolution	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: 3 kbps - 20480 kbps H.265: 3 kbps - 20480 kbps
Day/Night	Auto (ICR), Color, B/W
BLC	Yes
HLC	Yes
WDR	140 dB
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 Stabilization	Electronic Image Stabilization (EIS)
Defog	Yes



Image Rotation	0°, 90°, 180°, 270°
Mirror	Yes
Privacy Masking	8 areas
Audio	
Audio Compression	G.711A, G.711Mu, PCM, 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, SMD, people counting in area, stay detection, people counting, security exception
Network	
Network Port	RJ-45 (10/100 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
Interoperability	ONVIF (Profile S, Profile T, Profile G), CGI, P2P, Milestone
User/Host	20 (Total bandwidth: 80M)
Storage	FTP, SFTP, Micro SD Card (support max. 256 GB), NAS
Browser	IE: IE8 & later, Chrome, Firefox
Management Software	DSS, DMSS, Smart PSS
Mobile Client	iOS, Android
Cyber Security	Video encryption, firmware encryption, 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: EN60950-1 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	2 channel in: 5 mA 3V – 5 VDC
Alarm Output	1 channel out: 300mA 12 VDC



Power

Power Supply	12 VDC/PoE (802.3af)/ePoE
Power Consumption	Basic: 6.4 W (12 VDC); 6.9 W (PoE) Max. (H.265+three streams+intelligence on+IR on): 7.1 W (12 VDC); 7.9 W (PoE)

Environment

Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Operating Humidity	≤ 95%
Protection	IP67 & IK10

Structure

Casing	Metal, plastic
Product Dimensions	273.2 mm × 95.0 mm × 95.0 mm (10.76" × 3.74" × 3.74") (L × W × H)
Net Weight	1.11 kg (2.45 lb)
Gross Weight	1.51 kg (3.33 lb)

Accessories



**PFA152-E
Pole Mount Bracket**



**PFA121
Junction Box**

Dimensions

