



DNC4MZTD-AI2



Key Features



- 4MP 1/2.9" CMOS image sensor, low luminance & high definition image
- Outputs max. 4MP (2688 x 1520)@20fps & supports 2560 x 1440 (2560 x 1440)@25/30fps
- H.265 codec, high compression rate & ultra-low bit rate
- Built-in IR LED & the max. illumination distance: 40m
- 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
- Intelligent Monitoring: Intrusion, tripwire (The two functions support the classification & accurate detection of human & vehicle)
- Abnormality Detection: Motion detection, video tampering, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access & voltage detection
- Supports max. 256G Micro SD card, built-in Mic
- 12 VDC/PoE power supply, easy for installation
- IP67 protection
- SMD Plus



Specifications

Camera		DNC4MZTD-Ai2			
Image Sensor	1/2.9" CMOS				
Max. Resolution	2688 (H) x 1520 (V)				
ROM	128MB				
RAM	128MB				
Scanning System	Progressive				
Electronic Shutter Speed	Auto, manual 1/3s ~ 1/100,000s				
Min. Illumination	0.008 Lux@F1.5 (Color, 30 IRE) 0.0008 Lux@F1.5 (B/W, 30 IRE) 0 Lux (Illuminator On)				
S/N Ratio	>56dB				
Illumination Distance	40m (131.23ft) (IR LED)				
Illuminator On/Off Control	Auto, manual				
Illuminator Number	2 (IR LED)				
Pan/Tilt/Rotation Range	Pan: 0° ~ 360° Tilt: 0° ~ 78° Rotation: 0° ~ 360°				
Lens					
Lens Type	Motorized Vari-Focal				
Mount Type	Φ14				
Focal Length	2.7mm ~ 13.5mm				
Max. Aperture	F1.5				
Field of View	Horizontal: 104° ~ 27° Vertical: 55° ~ 15° Diagonal: 124° ~ 31°				
Iris Type	Fixed				
Close Focus Distance	0.8m (2.6ft)				
Dori Distance	Lens	Detect	Observe	Recognize	Identify
	W	64.0m (210.0ft)	25.6m (84.0ft)	12.8m (42.0ft)	6.4m (21.0ft)
	T	222.0m (728.3ft)	88.8m (291.3ft)	44.4m (145.7ft)	22.2m (72.8ft)

**Intelligence**

IVS (Perimeter Protection)	Intrusion, tripwire (The two functions support the classification & accurate detection of human & vehicle)
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+
Video Frame Rate	Main Stream: 2688 x 1520@1-20fps, 2560 x 1440@1-25/30fps Sub Stream: 704 x 576@1-25fps, 704 x 480@1-30fps <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	2 streams
Resolution	2688 x 1520 (2688 x 1520), 2560 x 1440 (2560 x 1440), 2304 x 1296 (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 ~ 6144 Kbps H.265: 12 Kbps ~ 6144 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	Manual, auto
Noise Reduction	3D NR
Motion Detection	Off/On (4 areas, rectangular)
Region of Interest (ROI)	Yes (4 areas)
Smart Illumination	Yes
Image Rotation	0°, 90°, 180°, 270° (Support 90°, 270° with 2688 x 1520 resolution & lower)
Mirror	Yes
Privacy Masking	4 areas

**Audio**

Built-in Mic	Yes
Audio Compression	G.711A, G.711Mu, G.726, PCM

Alarm

Alarm Event	No SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, motion detection, video tampering, tripwire, intrusion, audio detection, voltage detection, defocus detection, SMD & security exception
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Network

Network Port	RJ-45 (10, 100 Base-T)
SDK & API	Yes
Network Protocol	IPv4, IPv6, HTTP, TCP, UDP, ARP, RTP, RTSP, RTCP, RTMP, SMTP, FTP, SFTP, DHCP, DNS, DDNS, NTP, Multicast, ICMP, IGMP
Interoperability	ONVIF (Profile S, Profile T), CGI, P2P, Milestone
User/Host	6 (Total bandwidth: 36m)
Storage	FTP, SFTP, Micro SD card (supports max. 256GB)
Browser	IE, Chrome, Firefox
Management Software	Smart PSS, DSS, DMSS
Mobile Client	iOS & Android
Cybersecurity	Video & 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: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B
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Power

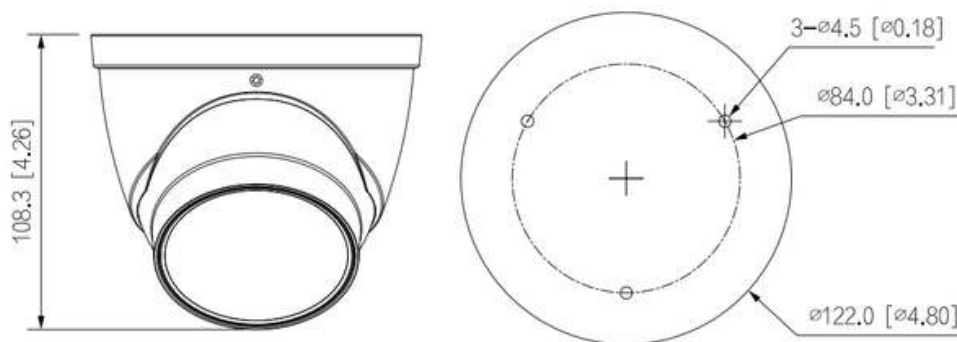
Power Supply	12 VDC/ PoE (802.3af)
Power Consumption	Basic: 1.9W (12VDC), 2.8W (PoE) Max. (H.265 + intelligence on + WDR + IR on): 6.1W (12VDC), 7.3W (PoE)

Environment

Operating Temperature	-30°C ~ +60°C (-22°F ~ +140°F)
Operating Humidity	≤95%



Storage Temperature	-40°C ~ +60°C (-40°F ~ +140°F)
Protection	IP67
Structure	
Casing Material	Metal
Product Dimensions	108.3mm × Ø122mm (4.26" × Ø4.80")
Net Weight	0.86kg (1.90lb)
Gross Weight	0.69kg (1.52lb)
Dimensions	



Accessories



PFA130-E
Junction Box



PFA125-E
Pole Mount Bracket



PFB205W-E
Wall Mount Bracket



PFA106
Mount Adapter



PFB220C
Ceiling Mount Bracket