



DNC2X4MPTD-FC-DUAL180



Key Features



- Outputs 180° wide angle splicing image.
- Outputs max. 8MP (4096 x 1800@25 fps)
- H.265 codec, high compression rate & ultra-low bit rate.
- Built-in warm light & the max. illumination distance is 40m.
- ROI, Smart H.264+, H.265+, Ai H.264, H.265, flexible coding, applicable to various bandwidth & storage environments.
- WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- Alarm: 1 in, 1 out, Audio: 1 in, 1 out. Supports max. 512 G Micro SD card, built-in Mic & Speaker, support two-way talk.
- 12 VDC/PoE power supply, easy for installation.
- IP67 protection
- EPTZ: Enlarge & track the targets of intelligent alarms.
- SMD 4.0



Specifications

Camera		DNC2X4MPTD-FC-DUAL180	
Image Sensor	Dual 1/1.8" CMOS		
Max. Resolution	4096 (H) x 1800 (V)		
ROM	128 MB		
RAM	1 GB		
Scanning System	Progressive		
Electronic Shutter Speed	Auto, manual 1/3 s ~ 1/100,000 s		
Min. Illumination	0.0005 Lux@F1.0 (Color, 30 IRE) 0.0002 Lux@F1.0 (B/W, 30 IRE) 0 Lux (Illuminator On)		
S/N Ratio	>56 dB		
Illumination Distance	40m (131.23ft)		
Illuminator On/Off Control	Auto		
Illuminator Number	4 (Warm Light)		
Pan, Tilt, Rotation Range	Pan: 0° ~ 360° Tilt: 4° ~ 90° Rotation: 0° ~ 360°		
Lens			
Lens Type	Fixed-Focal		
Lens Mount	M16		
Focal Length	3.6mm		
Field of View	Horizontal: 180°; Vertical: 48°		
Max. Aperture	F1.0		
Iris Control	Fixed		
Close Focus Distance	3.6m (11.81ft)		



DORI Distance	Lens (mm)	Detect (m)	Observe (m)	Recognize (m)	Identify (m)
	3.6mm	70.3m (230.64ft)	28.1m (92.19ft)	14.1m (46.26ft)	7.0m (22.97ft)
Intelligence					
IVS (Perimeter Protection)	Intrusion, tripwire & fast moving (the three functions support the classification & accurate detection of human & vehicle), loitering detection, people gathering & parking detection				
Heat Map	Yes				
Smart Object Detection	Smart abandoned object, smart missing object				
People Counting	Tripwire people counting & people counting in area, generating & exporting report (day/month/year), queue management, generating & exporting report (day/month), 4 rules can be set for tripwire, people counting in area & queue management				
Video					
Video Compression	H.265, H.264, H.264H, H.264B, MJPEG (Only supported by the sub stream)				
Video Frame Rate	WDR Off: Main Stream: 4096 x 1800@1-25fps Sub Stream: 1024 x 452@1-25fps Third Stream: 1920 x 832@1-25fps WDR On: Main Stream: 4096 x 1800@1-20fps Sub Stream: 1024 x 452@1-20fps Third Stream: 1920 x 832@1-20fps *The values above are the max. frame rates of each stream, for multiple streams, the values will be subjected to the total encoding capacity*				
Stream Capability	3 Streams				
Resolution	8M (4096 x 1800), 6.5M (3840 x 1680), 4M (3840 x 1080), 4M (2880 x 1264), 1.6M (1920 x 832), 0.7M (1280 x 560), 0.5M (1024 x 452)				
Bit Rate Control	CBR/VBR				
Video Bit Rate	H.264: 9 Kbps – 8192 Kbps H.265: 9 Kbps – 8192 Kbps				
Day/Night	Color & B/W				
BLC	Yes				
HLC	Yes				
WDR	140 dB				



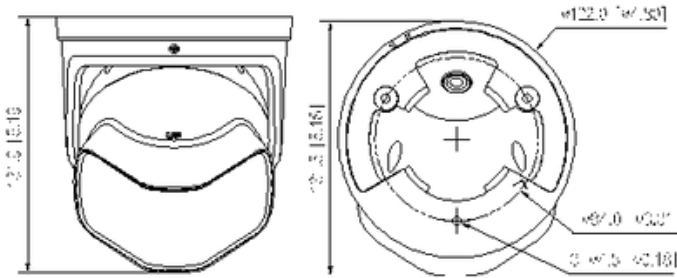
Scene Self-Adaptation (SSA)	Yes
White Balance	Auto, natural, street lamp, outdoor, manual, regional custom
Gain Control	Auto
Noise Reduction	3D NR
Motion Detection	Off/On (4 areas, rectangular)
Region of Interest (ROI)	Yes (4 areas)
Privacy Masking	4 areas
Defog	Yes
Audio	
Built-in Mic	Yes
Audio Compression	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, voltage detection, external alarm, SMD, people counting in area, stay detection, people counting & security exception
Network	
Network Port	RJ-45 (10/100 Base-T)
SDK & API	Yes
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
Network Protocol	IPv4, IPv6, HTTP, TCP, UDP, ARP, RTP, RTSP, RTCP, RTMP, SMTP, FTP, SFTP, DHCP, DNS, DDNS, QoS, UPnP, NTP, Multicast, ICMP, IGMP, NFS, SAMBA, PPPoE, SNMP, Bonjour
Interoperability	ONVIF (Profile S, Profile G, Profile T), CGI & Milestone
User/Host	20 (Total bandwidth: 80m)
Storage	FTP, SFTP, Micro SD card (support max. 512 GB), NAS



Browser	IE: IE 8 & 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 Part15, 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-Channels in: 5mA 3V - 5 VDC
Alarm Output	1-Channel Out: 300mA 12 VDC
Power	
Power Supply	12 VDC ($\pm 30\%$)/PoE+ (802.3at)/ePoE
Power Consumption	Basic: 4.8W (12 VDC), 5.5W (PoE) Max. (WDR + intelligence + warm light + SPK): 10.5W (12 VDC), 11.8W (PoE)
Environment	
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Operating Humidity	$\leq 95\%$
Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Protection	IP67
Structure	
Casing	Metal
Product Dimensions	$\Phi 122 \text{ mm} \times 131.9 \text{ mm}$ ($\Phi 4.80" \times 5.19"$)
Net Weight	990 g (2.18 lb)
Gross Weight	1150 g (2.54 lb)



Dimensions



Accessories



PFA152
Pole Mount Bracket



PFA137
Junction Box



PFA203W
Wall Mount
Bracket



PFA106
Mount Adapter



PFB220C
Ceiling Mount
Bracket