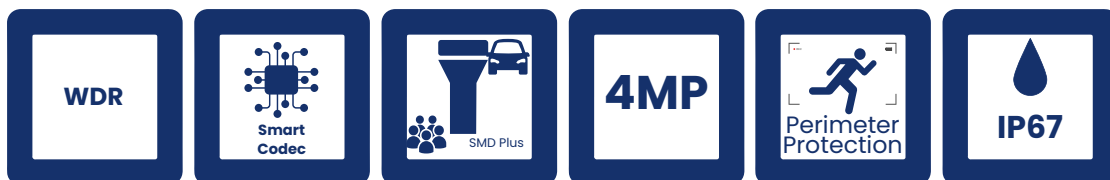




DNC4FBWS-A



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 @25/30fps.
- H.265 codec, high compression rate & ultra-low bit rate.
- Built-in IR LED & the max. illumination distance is 30m.
- 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 vehicle & human)
- Supports max. 256 G Micro SD card, built-in Mic.
- 12 VDC/PoE power supply
- IP67 protection
- SMD Plus.



Specifications

DNC4FBWS-A					
Camera					
Image Sensor	1/2.7" CMOS				
Max. Resolution	2688 (H) x 1520 (V)				
ROM	128MB				
RAM	258MB				
Scanning System	Progressive				
Electronic Shutter Speed	Auto, manual 1/3s ~ 1/100,000s				
S/N Ratio	>56dB				
Min. Illumination	0.008Lux@F1.6 (Color, 30 IRE) 0.0008Lux@F1.6 (B/W, 30IRE) 0Lux (Illuminator on)				
Illumination Distance	30m (98.4ft) (IR LED)				
Illuminator On/Off Control	Auto, manual				
Illuminator Number	1 (IR LED)				
Angle Adjustment	Pan: 0° ~ 360° Tilt: 0° ~ 90° Rotation: 0° ~ 360°				
Lens					
Lens Type	Fixed-Focal				
Lens Mount	M12				
Focal Length	2.8mm, 3.6mm				
Max. Aperture	F1.6				
Field of View	2.8mm: Horizontal: 95°, Vertical: 52°, Diagonal: 114° 3.6mm: Horizontal: 78°, Vertical: 41°, Diagonal: 94°				
Close Focus Distance	2.8mm: 0.9mm (2.95ft) 3.6mm: 1.6m (5.25ft)				
Iris Control	Fixed				
DORI	Lens(mm)	Detect(m)	Observe(m)	Recognize(m)	Identify(m)
	2.8mm	63.6m (208.66 ft)	25.4m (83.33ft)	12.7m (41.67ft)	6.4m (20.99ft)
	3.6mm	85.4m (280.15ft)	34.2m (112.20ft)	17.1m (56.10ft)	8.5m (27.89ft)
Intelligence					
IVS (Perimeter Protection)	Intrusion, tripwire, fast moving (the three functions supports the classification & accurate detection of vehicle & human), loitering detection, people gathering & parking detection				
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)				
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) *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	2 Streams
Resolution	4M (2688 x 1520), 4M (2560 x 1440), 3M (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: 32Kbps - 6144Kbps. H.265: 12Kbps - 6144Kbps
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	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° (Support 90°/270° with 2688 x 1520 resolution & lower)
Mirror	Yes
Privacy Masking	4 areas
Audio	
Audio Compression	G.711A,, G.711Mu, PCM, G.726
Built-in Mic	Yes
Alarm	
Alarm Event	No SD Card, SD card full, SD card error, network disconnection, IP conflict, illegal access, motion detection, video tampering, tripwire, intrusion, SMD, voltage detection, security exception
Network	
Network Ports	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 (support max. 256GB)
Browser	IE, Chrome, Firefox
Management Software	DSS, DMSS
Mobile Client	iOS, Android
Cyber Security	Configuration encryption: trusted execution, digest, security logs, WSSE, account lockout, syslog, video encryption, 802.1x, IP/MAC filtering, HTTPS, trusted upgrade, trusted boot, generation & importing of X.509 certification.



Certification	
Certifications	CE-LVD: EN 62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B
Power	
Power Supply	12 VDC/PoE (802.3af)
Power Consumption	Basic: 2.5W (12 VDC), 3.3W (PoE). Max. (ICR + H.265 + max. resolution + main stream + IR intensity + WDR + IVS): 4.2W (12 VDC), 5.1W (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
Structure	
Casing	Metal
Product Dimensions	166.2mm x 70mm 70mm (6.54" x 2.76" x 2.76") (L x W x H)
Net Weight	0.48 kg (1.06lb)
Gross Weight	0.59 kg (1.30 lb)
Accessories	



PFA134
Junction Box



PFA152-E
Pole Mount Bracket



PFA130-E
Junction Box