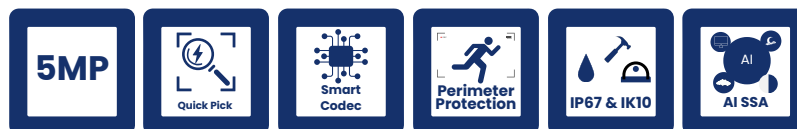




DNC5WD-AI-28



Key Features



- 5 MP 1/2.7" CMOS image sensor, excellent low luminance performance & high definition of images.
- Outputs max. 5 MP (2960 × 1668)@20 fps & supports 4MP (2688 × 1520) @25/30 fps. · H.265 codec, high compression rate & ultra-low bit rate.
- Built-in IR LED, max. IR distance: 30 m.
- 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 detection: Intrusion, tripwire (support the classification and accurate detection of vehicle & human).
- Abnormality detection: Motion detection, privacy masking, scene changing, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, and voltage detection.
- Alarm: 1 in, 1 out; audio: 1 in, 1 out; max. 256 G Micro SD card. built-in Mic.
- 12 VDC/PoE power supply facilitates installation.
- IP67, IK10 protection.
- SMD 4.0, AI SSA.



Specifications

Camera		DNC5WD-AI-28	
Image Sensor	1/2.7"		
Max. Resolution	2960 (H) x 1668 (V)		
ROM	128MB		
RAM	512MB		
Scanning System	Progressive		
Electronic Shutter Speed	Auto, manual, 1/3 ~ 1/100,000s		
Min. Illumination	0.005 Lux@F1.4 (Color, 30 IRE) 0.0005 Lux@F1.4 (B/W, 30 IRE) 0 Lux (Illuminator On)		
S/N Ratio	>56dB		
Illumination Distance	30m (98.4ft)		
Illuminator On/Off Control	Auto, Manual		
Illuminator Number	2 (IR LED)		
Pan/Tilt/Rotation Range	Pan: 0° ~ 355° Tilt: -20° ~ 70° Rotation: 0° ~ 355°		
Lens			
Lens Type	Fixed-Focal		
Mount Type	M12		
Focal Length	2.8mm, 3.6mm, 6mm		
Max. Aperture	F1.6		
Field of View	2.8mm: Horizontal: 111°, Vertical: 58°, Diagonal: 132° 3.6mm: Horizontal: 92°, Vertical: 45°, Diagonal: 110° 6mm: Horizontal: 57°, Vertical: 30°, Diagonal: 65°		
Iris Type	Fixed		
Close Focus Distance	2.8mm: 0.9m (2.95ft) 3.6mm: 1.6m (5.25ft) 6mm: 3.2mm (10.50ft)		



DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8mm	63.6m (208.66ft)	25.4m (83.33ft)	12.7m (41.66ft)	6.4m (21.00ft)
	3.6mm	85.4m (280.18ft)	34.2m (112.20ft)	17.1m (56.10ft)	8.5m (27.89ft)
	6mm	124.0m (406.82ft)	49.6m (162.73ft)	24.8m (81.36ft)	12.4m (40.68ft)
Professional, Intelligent					
IVS (Perimeter Protection)		Tripwire, Intrusion (Support the classification and accurate detection of human and vehicle)			
AI SSA		Yes			
Quick Pick		With AI NVR, quickly pick up the human/vehicle target that users are interested in from SMD Events			
Smart 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+			
AI Coding		AI H.265, AI H.264			
Video Frame Rate		Main Stream: 2880 x 1620@1-20fps, 2960 x 1668@1-20fps, 2688 x 1520@1-25/30fps Sub Stream 1: 704 x 576@1-25fps Sub Stream 2: 1920 x 1080@1-25/30fps <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		3 Streams			
Resolution		5M (2880 x 1620, 2960 x 1668), 4M (2688 x 1520), 3.6M (2560 x 1440), 3M (2048 x 1536), 3M (2304 x 1296), 1080p (1920 x 1080), 1.3M (1280 x 960), 720p (1280 x 720), D1 (704 x 576, 704 x 480), CIF (352 x 288, 352 x 240), VGA (640 x 480)			
Bit Rate Control		CBR, VBR			
Video Bit Rate		H.264: 3 Kbps ~ 8192 Kbps H.265: 3 Kbps ~ 8192 Kbps			
Day/Night		Auto (ICR), Color, B/W			
BLC		Yes			
HLC		Yes			
WDR		120dB			



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)
Defog	Yes
AFSA	Yes
Image Rotation	0°, 90°, 180°, 270° (Support 90°, 270° with 2688 x 1520 resolution and lower)
Mirror	Yes
Privacy Masking	4 areas
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, service life warning, network disconnection, IP conflict, illegal access, motion detection, video tampering, intrusion, tripwire, scene changing, audio detection, voltage detection, external alarm, SMD, security exception
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, QoS, UPnP, NTP, Multicast, ICMP, IGMP, NFS, SAMBA, PPPoE, SNMP
Cyber Security	Video, firmware and configuration encryption, digest, WSSE, account lockout, security logs, IP/MAC filtering, generation and importing of X.509 certification, syslog, HTTPS, 802.1x, trusted boot, trusted execution, trusted upgrade
Interoperability	ONVIF (Profile S, Profile G, Profile T), CGI, P2P, Milestone, Genetec
User/Host	20 (Total bandwidth: 64M)
Storage	FTP, SFTP, Micro SD card (Supports max. 256G), NAS



Browser	IE: IE11, Chrome, Firefox
Management Software	Smart PSS, DSS, DMSS
Mobile Phone	iOS & Android
Certification	
Certification	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL62368-1 & CAN/CSA C22.2 No. 62368-1-14
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/PoE (802.3af)
Power Consumption	Basic: 3.8W (12 VDC), 4.6W (PoE) Max. (WDR + IR Intensity + Intelligence): 5.9W (12 VDC), 7.2W (PoE)
Environment	
Operating Temperature	-40°C ~ +60°C (-40°F ~ 140°F), less than 95% RH
Storage Temperature	-40°C ~ +60°C (-40°F ~ 140°F)
Protection	IP67, IK10
Structure	
Casing	Metal
Product Dimensions	64.8mm x 111.0mm (2.55" x 4.37")
Net Weight	423g (0.93lb)
Gross Weight	530g (1.17lb)
Accessories	



PFB205W-E
Wall Mount Bracket



PFA152-E
Pole Mount



PFA136
Junction Box



PFB220C
Ceiling Mount



PFA109
Ceiling Mount



PFM900-E
Integrated
Mount Tester