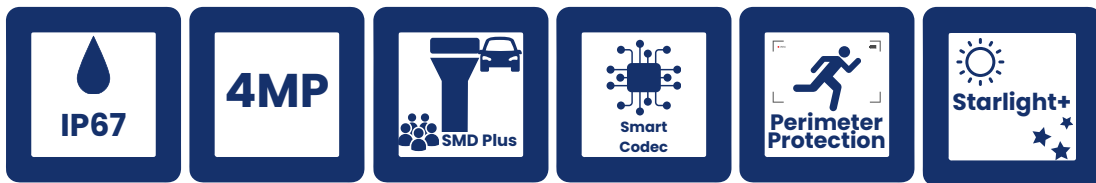




DNC4WDL-AI-28



Key Features



- 4MP 1/3" CMOS image sensor, low illuminance & high image definition.
- Outputs max. 4MP (2688 x 1520)@30fps
- H.265 codec, high compression rate & low bit rate.
- Built-in IR LED, max. IR distance: 30m.
- ROI, Smart H.264+, H.265+, flexible coding, applicable to various bandwidth & storage environments.
- Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- Intelligent Detection: Intrusion, tripwire (support the classification & accurate detection of vehicle & human)
- 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, voltage detection.
- Supports max. 256 G Micro SD card, built-in Mic
- 12V DC/PoE power supply
- IP67, Ik10 protection
- SMD Plus



Specifications

Camera		DNC4WDL-AI-28	
Image Sensor	1/3" 4MP Progressive CMOS		
Max. Resolution	2688 (H) x 1520 (V)		
ROM	128MB		
RAM	512MB		
Scanning System	Progressive		
Electronic Shutter Speed	Auto, manual 1/3s ~ 1/100000s		
Min. Illumination	0.005 Lux@F1.6 (Color, 30 IRE) 0.0005 Lux@F1.6 (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	8 (IR LED)		
Pan/Tilt/Rotation Range	Pan: -30° ~ 30° Tilt: 0° ~ 80° Rotation: 0° ~ 360°		
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: 103°, Vertical: 55°, Diagonal: 122° 3.6mm: Horizontal: 84°, Vertical: 45°, Diagonal: 100° 6mm: Horizontal: 52°, Vertical: 28°, Diagonal: 61°		
Iris Type	Fixed		
Close Focus Distance	2.8mm: 0.9m (3.0ft) 3.6mm: 1.6m (5.3ft) 6mm: 3.2m (10.5ft)		



DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8mm	56.0m (183.7ft)	22.4m (73.5ft)	11.2m (36.8ft)	5.6m (18.4ft)
	3.6mm	80.0m (262.5ft)	32.0m (105.0ft)	16.0m (52.5ft)	8.0m (26.3ft)
	6mm	120.0m (393.7ft)	48.0m (157.5ft)	24.0m (78.7ft)	12.0m (39.4ft)
Professional, Intelligent					
Perimeter Protection		Tripwire, intrusion (Recognition of vehicle & human)			
Intelligent 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@1-25/30fps Sub Stream: 704 x 576@1-25fps, 704 x 480@1-30fps Third Stream: 1280 x 720@1-25/30fps			
Stream Capability		3 streams			
Resolution		4M (2688 x 1520), 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: 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, manual			
Noise Reduction		3D DNR			
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 1920 x 1080 resolution & lower)
Mirror	Yes
Privacy Masking	4 areas
Audio	
Built-in Mic	Yes
Audio Compression	G.711A, G.711Mu, G726
Alarm	
Alarm Event	No SD card, SD card full, SD card error, less service time of SD card (smart card supports), network disconnection, IP conflict, illegal access, voltage detection, security exception, motion detection, video tampering, scene changing, intensity change, tripwire, intrusion & SMD
Network	
Network	RJ-45 (10, 100 Base-T)
SDK & API	Yes
Protocol	IPv4, IPv6, HTTP, TCP, UDP, ARP, RTP, RTSP, RTCP, RTMP, SMTP, FTP, SFTP, DHCP, DNS, DDNS, QoS, UPnP, NTP, Multicast, ICMP, IGMP, NFS, PPPoE, SNMP
Cyber Security	Video, firmware & 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
Interoperability	ONVIF (Profile S, Profile G, Profile T), CGI, P2P, Milestone, Genetec
Scene Self-Adaptation (SSA)	Yes
User/Host	20 (Total bandwidth: 64M)
Storage	FTP, SFTP, Micro SD card (supports max. 256G), NAS
Browser	IE: IE8, IE9, IE11 Chrome Firefox
Management Software	Smart PSS, DSS, DMSS
Mobile Phone	iOS & Android
Certification	
Certifications	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B



Power

Power Supply	12V DC/PoE (802.3af)
Power Consumption	<5.7W

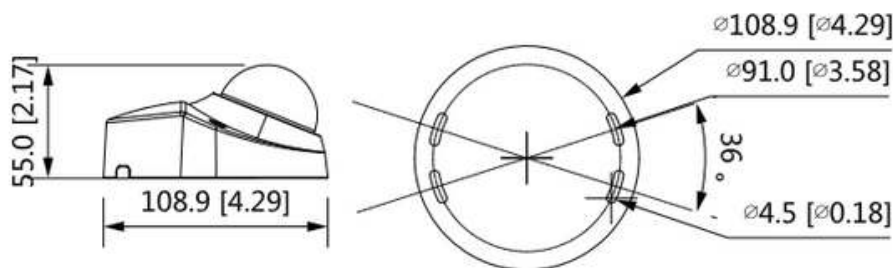
Environment

Operating Temperature	-40°C ~ +60° (-40°F ~ +140°F), Less than 95%
Storage Temperature	-40°C ~ +60° (-40°F ~ +140°F)
Protection	IP67

Structure

Casing Material	Metal
Dimensions	55mm x ϕ 108.9mm (2.2" x ϕ 4.3")
Net Weight	380 g (0.8lb)
Gross Weight	520g (1.1lb)

Dimensions



Accessories



PFB203W
Wall Mount Bracket



PFA152-E
Pole Mount



PFA139
Junction Box



PFB220C
Ceiling Mount