



DNC4FB-WiFi



Key Features



- 4MP 1/3" CMOS image sensor, low luminance & high definition image
- Outputs. max. 4MP(2560 x 1440)@20fps & max. supports 3MP (2304 x 1296)@25/30fps
- H.265 codec, high compression rate & ultra-low bit rate
- Built-in IR LED
- SMART H.264+, H.265+, flexible coding, applicable to various bandwidth & storage environments
- DWDR, 3D NR, BLC, digital watermarking, applicable to various monitoring scenes
- Abnormality Detection: Motion detection, video tampering, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access & SMD (human)
- Supports antenna 2.4G Wi-Fi, up to 80m range in open area
- Supports max. 256G Micro SD card
- Built-in Mic
- 12 VDC power supply
- IP67 protection



Specifications

Camera		DNC4FB-WiFi	
Image Sensor	1/3" CMOS		
Max. Resolution	2560 (H) x 1440 (V)		
ROM	16MB		
RAM	64MB		
Scanning System	Progressive		
Electronic Shutter Speed	Auto, manual 1/3s ~ 1/100,000s		
Min. Illumination	0.03 Lux@F2.0 (Color, 30 IRE) 0.003 Lux@F2.0 (B/W, 30 IRE) 0 Lux (Illuminator On)		
S/N Ratio	>56 db		
Illumination Distance	30m (98.43ft) (IR LED)		
Illuminator On/Off Control	Auto, manual		
Illuminator Number	1 (IR LED)		
Pan/Tilt/Rotation Range	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	F2.0		
Field of View	2.8mm: Horizontal: 90°, Vertical: 50°, Diagonal: 107° 3.6mm: Horizontal: 76°, Vertical: 40°, Diagonal: 92°		
Iris Control	Fixed		
Close Focus Distance	2.8mm: 1.0m (3.28ft) 3.6mm: 1.4m (4.59ft)		



DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8mm	68m (223.10ft)	27.2m (89.24ft)	13.6m (44.62ft)	6.8m (22.31ft)
	3.6mm	85.2m (279.53ft)	34.1m (111.88ft)	17.0m (55.77ft)	8.5m (27.89ft)

Video

Video Compression	H.264B, H.264, H.264H, H.265
Smart Codec	Smart H.265+, Smart H.264+
Video Frame Rate	Main Stream: 2560 x 1440@1-20fps Sub Stream: 640 x 480@1-25fps 640 x 480@1-30fps *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	2 Streams
Resolution	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)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 24 kbps - 4096 kbps H.265: 9 kbps - 4096 kbps
Day/Night	Auto (ICR), Color & B/W
BLC	Yes
WDR	DWDR
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)
Smart Illumination	Yes
Image Rotation	0°, 180°
Mirror	Yes



Audio	
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, audio detection, intensity change & SMD (human)
Network	
Network Port	RJ-45 (10/100 Base-T)
Wi-Fi	IEEE802.11B/g/n 2.4~2.4835GHz
Wireless Range	Up to 80m (The performance varies based on actual environment)
SDK & API	Yes
Cyber Security	Video encryption, configuration encryption, digest, WSSE, account lockout, security logs, generation & importing of X.509 certification, HTTPS, trusted boot, trusted execution & trusted upgrade
Network Protocol	IPv4, HTTP, TCP, UDP, ARP, RTP, RTSP, RTCP, DHCP, DNS, NTP & Multicast
Interoperability	ONVIF (Profile S, Profile G), CGI, P2P
User/Host	6 (Total bandwidth: 36m)
Storage	Micro SD card (support max. 256GB, sold separately)
Browser	IE 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 CE-RED: Radio Equipment Directive 2014/53/EU FCC: 47 CFR FCC Part 15, Subpart B FCC ID: FCC Part 15C
Power	
Power Supply	12 VDC
Power Consumption	Basic: 2W (12 VDC) Max. (H.265+ IR Intensity): 4.1W (12 VDC)



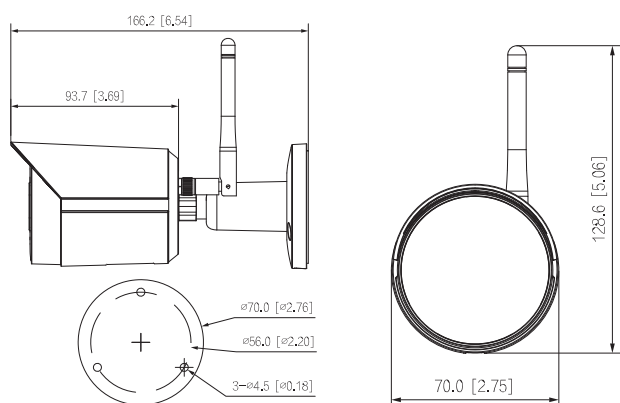
Environment

Operating Temperature	-40°C ~ +60°C (-40°F ~ +140°F)
Operating Humidity	≤95%
Storage Temperature	-30 °C to +70 °C (-22 °F to +158 °F)
Protection	IP67

Structure

Casing	Metal
Product Dimensions	166.2mm x 70.0mm x 128.6mm (6.53" x 2.76" x 5.06")
Net Weight	477.9g (1.05lb)
Gross Weight	696.5g (1.50lb)

Dimensions



Accessories



PFA134
Junction Box



PFA152-E
Pole Mount