



DNC4VD-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, no SD card, SD card full, SD card error, Network disconnection, IP conflict, illegal access, SMD (human)
- Supports single antenna 2.4G Wi-Fi, that covers a range of up to 80m in an open area
- Supports max. 256G Micro SD card
- 12 VDC power supply
- IP67, IK10 protection



Specifications

Camera		DNC4VD-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	3 (IR LED)		
Pan/Tilt/Rotation Range	Pan: 0° ~ 355° Tilt: 0° ~ 75° Rotation: 0° ~ 355°		
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 (55.78ft)	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

**Alarm**

Alarm Event

No SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, motion detection video tampering & 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 & RTMP

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): 4.9W (12 VDC)



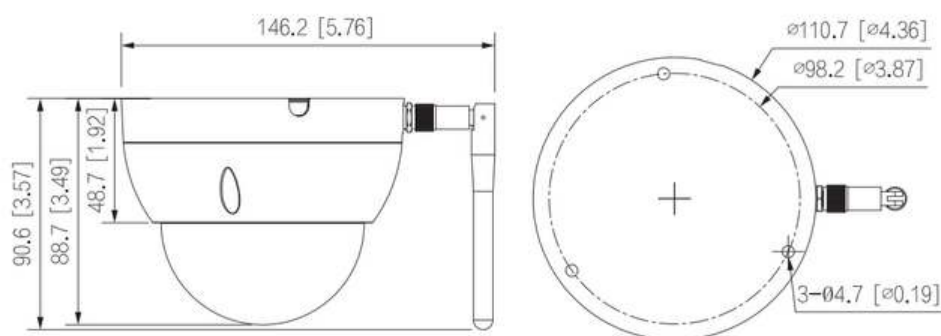
Environment

Operating Temperature	-40°C ~ +60°C (-40°F ~ +140°F)
Operating Humidity	≤95%
Storage Temperature	-30 °C to +60 °C (-22 °F to +140 °F)
Protection	IP67 & IK10

Structure

Casing	Metal
Product Dimensions	Φ110.7 mm × 88.7 mm (Φ4.33" × 3.49")
Net Weight	414g (0.91lb)
Gross Weight	592g (1.31lb)

Dimensions



Accessories



PFA136
Junction Mount



PFA152-E
Pole Mount



PFB203W
Wall Mount



PFA109
Ceiling Mount



PFB220C
Ceiling Mount