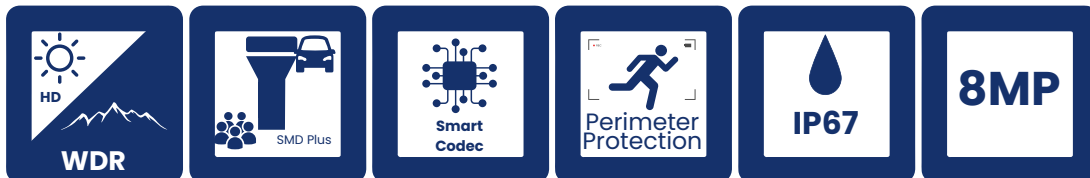




DNCB8TD-WS



Key Features



- 8-MP 1/2.7" CMOS image sensor, low luminance & high definition image.
- Outputs max. 8 MP(3840 × 2160)@20 fps, & supports 2688 × 1520(2688 × 1520)@25-30 fps.
- 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).
- Abnormality detection: Motion detection, video tampering, 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.
- 12 VDC/PoE power supply.
- IP67 protection.
- SMD Plus.



Specifications

DNCB8TD-WS					
Camera					
Image Sensor		1/2.8"			
Max. Resolution		3840 (H) x 2160 (V)			
ROM		128 MB			
RAM		256MB			
Scanning System		Progressive			
Electronic Shutter Speed		Auto, manual 1/3 s - 1/100,000 s			
Min. Illumination		0.009 Lux@F2.0 (Color, 30 IRE) 0.0009 Lux@F2.0 (B/W, 30 IRE) 0Lux (Illuminator On)			
S/N Ratio		>56 dB			
Illumination Distance		30m (98.4 ft)			
Illuminator On/Off Control		Auto, manual			
Illuminator Number		1 (IR LED)			
Pan/Tilt/Rotation Range		Pan: 0° - 360° Tilt: 0° - 78° 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: 106°, Vertical: 56°, Diagonal: 125° 3.6mm: Horizontal: 88°, Vertical: 46°, Diagonal: 104°			
Iris Control		Fixed			
Close Focus Distance		2.8mm: 1.3m (4.27 ft) 3.6mm: 1.9m (6.23 ft)			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8mm	88.0m (288.71ft)	35.2m (115.49ft)	17.6m (57.74ft)	8.8m (28.87ft)
	3.6mm	106.7m (350.07ft)	42.7m (140.09ft)	21.3m (69.88ft)	10.7m (35.10ft)
Intelligent					
Perimeter Protection		Tripwire, intrusion (support the classification & accurate detection 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: 3840 × 2160@(1-20 fps), 2688 × 1520@(1-25/30 fps) Sub stream: 704 × 576@(1-25 fps), 704 × 480@(1-30 fps) *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	3840×2160 (3840×2160), 3072×2048 (3072×2048), 3072×1728 (3072×1728), 2880×1620 (2880×1620), 2688×1520 (2688×1520), 3M (2048×1536), 2304×1296 (2304×1296), 1080p (1920×1080), 1.3M (1280×960), 720p (1280×720), D1 (704×576, 704×480), VGA (640×480), CIF (352×288, 352×240)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 32 kbps – 8192 kbps H.265: 12 kbps – 8192 kbps
Day/Night	Auto (ICR), Color, B/W
BLC	Yes
HLC	Yes
WDR	120 dB
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)
Smart Illumination	Yes
Image Rotation	0°, 90°, 180°, 270° (Support 90°, 270° with 2688 x 1520 resolution & lower)
Mirror	Yes
Privacy Masking	4 areas
Audio	
Built-in Mic	Yes
Audio Compression	G.711A, G.711Mu, G.726, PCM
Alarm	
Alarm Event	No SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, motion detection, video tampering, intrusion, audio detection, voltage detection, 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, PPPoE, Bonjour
Interoperability	ONVIF (Profile S, Profile T, Profile G), CGI, P2P, Milestone
User/Host	20 (Total bandwidth: 48M)
Storage	FTP, SFTP, Micro SD card (support max. 256 GB), NAS
Browser	IE, Chrome & Firefox
Management Software	Smart PSS, 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, firmware encryption, generation & importing of X.509 certification



Certification

Certifications	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
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Power

Power Supply	12 VDC/PoE (802.3af)
Power Consumption	Basic: 2.7W (12 VDC), 3.4W (PoE) Max. (H.265+ max. resolution + max. stream + WDR + IR intensity + IVS), 4.5W (12 VDC), 5.4W (PoE)

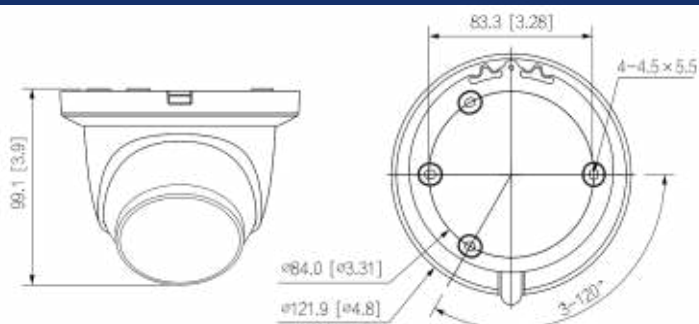
Environment

Operating Temperature	-40 °C to +55 °C (-40 °F to +131 °F)
Operating Humidity	≤95%
Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Storage Humidity	≤95%
Protection	IP67

Structure

Casing Material	Inner Core: Metal Cover: Metal Decoration Ring: Plastic Quick Install Mounting Plate: Metal
Product Dimensions	99.1 mm × Φ121.9 mm (3.90" × Φ4.80")
Net Weight	0.48 kg (1.06 lb)
Gross Weight	0.68 kg (1.50 lb)

Dimensions



Accessories



PFA130-E-B
Waterproof Junction Box



PFB203W-B
Wall Mount Bracket



PFA152-E-B
Pole Mount Bracket



PFA109
Mount Adapter



PFB220C
Ceiling Mount Bracket