



DN4KPTZPANOMeta



Key Features



- Panorama: 2 x 4MP 1/1.8" CMOS image sensor
- Detail: 8MP 1/1.8" CMOS image sensor
- 42x Optical Zoom
- Max. 25/30fps@4K
- IR Distance up to 300m
- Auto Tracking
- Perimeter Protection
- Face Detection
- Wiper
- IP67
- Sound and Light alarm
- PoE++ (802.3bt)



Specifications

Camera		DN4KPTZPANOMeta
Image Sensor	Panorama: 1/1.8" CMOS Detail: 1/1.8" CMOS	
Pixel	Panorama: 8MP Detail: 8MP	
Max. Resolution	Panorama: 5376 (H) x 1520 (V) Detail: 3840 (H) x 2160 (V)	
ROM	Panorama: 8GB Detail: 8GB	
RAM	Panorama: 8GB Detail: 4GB	
Electronic Shutter Speed	Panorama: 1s ~ 1/30000s Detail: 1s ~ 1/30000s	
Scanning System	Progressive	
Min. Illumination	Panorama: Color: 0.001 Lux@F1.0 B/W: 0.0001 Lux@F1.0 0 Lux (IR Light On) Detail: Color: 0.005 Lux@F1.4 B/W: 0.0005 Lux@F1.4 0 Lux (IR Light On)	
Illumination Distance	Panorama: 30m (White Light) Detail: 300m (IR)	
Illuminator On/Off Control	Zoom Prio, Manual, Smart IR, Off	
Illuminator Number	Panorama: 4 (White Light) Detail: 6 (IR), 2 (White Light)	
Wiper	Wiper	
Lens		
Focal Length	Panorama: 2.8mm Detail: 5.5mm ~ 231mm	
Max. Aperture	Panorama: F1.0 Detail: F1.4 ~ F4.5	
Field of View	Panorama: Horizontal: 200°, Vertical: 50° Detail: Horizontal: 61.8° ~ 2.2°, Vertical: 36.3° ~ 1.3°, Diagonal: 69.2° ~ 2.4°	
Optical Zoom	Detail: 42x	
Focus Control	Auto, Semi-Auto, Manual	
Close Focus Distance	0.2m (0.66ft)	



Iris Control	Detail: Auto, Manual			
DORI Distance	Detect	Observe	Recognize	Identify
	4620m (15157.48ft)	1824.9m (5987.20ft)	924m (3031.50ft)	462m (1515.75ft)
PTZ				
Pan/Tilt Range	Panorama: Tilt: 5° ~ 17° Detail: Pan: 0° ~ 360° endless Tilt: -30° ~ +90°			
Manual Control Speed	Detail: Pan: 0.1°/s ~ 240°/s Tilt: 0.1°/s ~ 100°/s			
Preset Speed	Detail: Pan: 240°/s Tilt: 100°/s			
Preset	300			
Tour	8 (Up to 32 presets per tour)			
Pattern	5			
Scan	5			
Power-Off Memory	Yes			
Idle Motion	Pattern, Preset, Scan, Tour			
PTZ Protocol	Pelco-P/D (Auto Recognition)			
Intelligence				
Video Metadata	Motor vehicle, non-motor vehicle, face/human body detection, tracking, optimization, capturing pictures, uploading high-quality face snapshots, motor vehicle attributes, non-motor vehicle attributes, human body attributes, face attributes			
IVS (Perimeter Protection)	Tripwire, Intrusion, climbing fences, loitering detection, abandoned/missing object, fast moving, parking detection, people gathering, vehicle/human alarm classification, linkage tracking			
Face Recognition	Supports face detection, face bounding box, optimization, capturing snapshots, uploading high-quality face snapshots, enhancing face images and face exposure. Attribute extraction is also supported, where 6 attributes and 8 expressions can be detected. Face cutout is also offered, where you can cutout one face at a time and customize the size to be a one-inch photo. Supports up to 5 face databases, registers person one by one or in batches, sets face similarity, compares faces with 10,000 faces			
Auto Tracking	Yes			



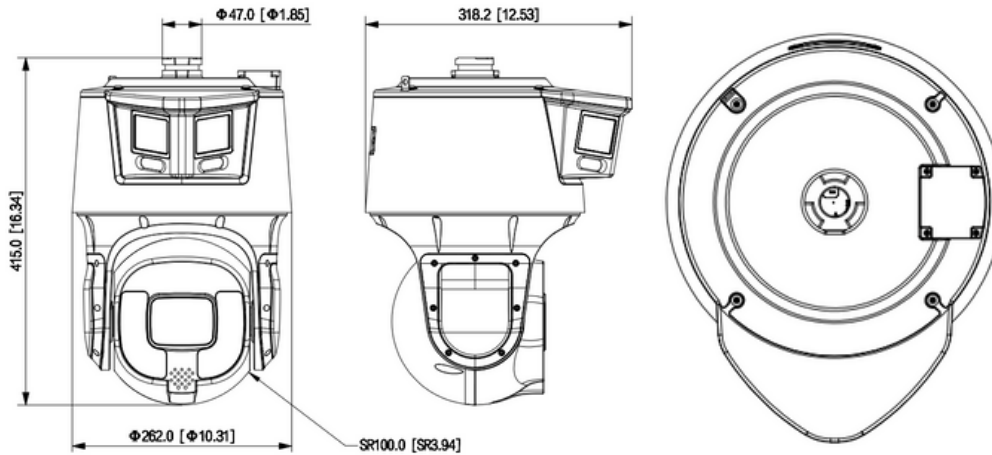
Active Deterrence	
Light Warning	White Light Warning Flash Duration: 5s ~ 30s Flash Frequency: High, Medium, Low
Sound Warning	Offers 22 sound alarms and supports importing custom sound alarms
Video	
Video Compression	H.264H, H.264B, Smart H.265+, H.265, MJPEG (Sub Stream), Smart H.264+, H.264M
Streaming Capability	3 Streams
Resolution	Panorama: 8M (5376 x 1520), 2688 x 752, 1334 x 368, 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) Detail: 8M (3840 x 2160), 4M (2560 x 1440), 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)
Video Frame Rate	Panorama: Main Stream: (5376 x 1520)@1 ~ 25/30fps Sub Stream 1: (1344 x 368), D1, VGA, CIF@1 ~ 25/30fps Sub Stream 2: (2688 x 752), 1080p, 1.3M, 720p@1 ~ 15/30fps Detail: Main Stream: 8M (3840 x 2160), 4M (2560 x 1440), 3M (2304 x 1296), 1080p, 1.3M, 720p@1 ~ 25/30fps Sub Stream 1: D1, VGA, CIF@1 ~ 25/30fps Sub Stream 2: 1080p, 1.3M, 720p@1 ~ 25/30fps
Bit Rate Control	CBR, VBR
Video Bit Rate	Panorama: H264: 8 Kbps ~ 16384 Kbps H265: 3 Kbps ~ 13568 Kbps Detail: H264: 8 Kbps ~ 16384 Kbps H265: 3 Kbps ~ 13568 Kbps
Day/Night	Panorama: Color, B/W Detail: Auto (ICR)
BLC	Yes
WDR	Panorama: DWDR Detail: 120dB
HLC	Yes
White Balance	Panorama and Detail: Auto, indoor, outdoor, tracking, manual, sodium lamp, natural light, street lamp
Gain Control	Panorama: Auto, manual Detail: Auto, manual



Noise Reduction	Panorama: 2D NR, 3D NR Detail: 2D NR, 3D NR
Motion Detection	Yes
Region of Interest (ROI)	Yes
Image Stabilization	Detail: EIS
Defog	Panorama: Electronic Detail: Optical
Digital Zoom	16x
Image Rotation	180°
Privacy Masking	Yes
S/N Ratio	Panorama: ≥ 55 dB Detail: ≥ 55 dB
Audio	
Audio Compression	PCM, G.711A, G.711Mu, G.726, MPEG2-Layer2, G722.1, G729, G723
Network	
Network Port	RJ-45 (100, 1000 Base-T)
Network Protocol	FTP, RTMP, IPv6, Bonjour, IPv4, DNS, RTCP, PPPoE, NTP, RTP, 802.1x, HTTPS, SNMP, TCP/IP, DDNS, UPnP, NFS, ICMP, UDP, IGMP, HTTP, SSL, DHCP, SMTP, QoS, RTSP, ARP
Interoperability	CGI, GA/T 1400, GB/T28181, SDK, ONVIF (Profile S, Profile G, Profile T)
Streaming Method	Unicast, Multicast
User/Host	20 (Total bandwidth: 64M)
Storage	FTP, Micro SD card (512 GB), NAS
Browser	IE 9 and later versions Chrome 41 and later versions Firefox 50 and later versions Safari 10 and later versions
Management Software	C9100, 5 series NVR, ICC-B8900, SmartPS Plus, IVSS
Mobile Client	iOS & Android
Certification	
Certifications	CE: EN55032, EN55035, EN61000-3-2 EN61000-3-3, EN50130-4 FCC: FCC Part 15B



Port	
RS-485	1 (Baud rate: 1200 bps ~ 9600 bps)
Audio Input	1-Channel (Line In, bare wire)
Audio Output	1-Channel (Line Out, bare wire)
Alarm Input	7 (On-Off value input: 0 ~ 5 VDC)
Alarm Output	2
Alarm Linkage	Capture, recording, send email, preset, tour, pattern, alarm digital input
Alarm Event	Motion, tampering detection, audio detection, network disconnection detection, IP conflict detection, memory card state detection, memory space detection, power exception detection
Alarm I/O	7/2
Audio I/O	1/1
Power	
Power Supply	36 VDC, 2.25 A $\pm$ 25% PoE++ (802.3bt)
Power Consumption	Basic: 32W Max: 58W (Panoramic camera illuminator, detail camera IR illuminator, light warning, speaker, heated glass, intelligence and PTZ)
Environment	
Operating Temperature	-40°C ~ +70°C (-40°F ~ +158°F)
Operating Humidity	$\leq$ 95%
Protection	IP67
Structure	
Product Dimensions	318.2mm x 262.0mm x 415.0mm (12.53" x 10.31" x 16.34") (L x W x H)
Net Weight	8.8 kg (19.40ft)
Gross Weight	11.12kg (24.52ft)



Accessories

Included:



PFB307W
Wall Mount Bracket



PFA114
Mount Adapter

Not Included (Optional):



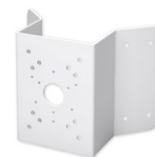
PFB301C
Ceiling Mount Bracket



PFB710C
Ceiling Mount Bracket



PFA5500
Pole Mount Bracket



PFA151
Corner Mount Bracket