



DN4KPTZ3in1Mid



Key Features



- 1/2.8" 8MP STARVIS CMOS
- 25x optical zoom
- Starlight technology
- Max. 25/30fps@8M
- IR distance up to 100m
- Auto tracking 3.0
- Perimeter protection
- Face detection
- SMD 4.0
- IP66
- Full-color illuminator, red & blue warning light



Specifications

Camera		DN4KPTZ3in1Mid			
Image Sensor	1/2.8" CMOS				
Pixel	8MP				
Max. Resolution	3840 (H) x 2160 (V)				
ROM	4 GB				
RAM	1 GB				
Electronic Shutter Speed	1/1 s ~ 1/30,000s				
Scanning System	Progressive				
Min. Illumination	0.005 Lux@F1.6 (Color, 30 IRE) 0.0005 Lux@F1.6 (B/W, 30 IRE) 0 Lux (Illuminator on)				
Illumination Distance	100m (328.08ft) (IR) 50m (164.04ft) (White Light)				
Illuminator On/Off Control	Zoom Prio, manual, auto, off				
Illuminator Number	2 (IR) 2 (Dual Light Fusion)				
Lens					
Focal Length	5mm - 125mm				
Max. Aperture	F1.6 - F3.6				
Field of View	Horizontal: 53.1° ~ 3.4° Vertical: 30.4° ~ 1.9° Diagonal: 59.3° ~ 3.9°				
Optical Zoom	25x				
Focus Control	Auto, semi-auto, manual				
Close Focus Distance	0.1m ~ 1.5m (0.33ft ~ 4.92ft)				
Iris Control	Auto, manual				
DORI Distance	Detect	Observe	Recognize	Identify	
	3310m (10859.58ft)	1308m (4291.34ft)	662m (2171.92ft)	331m (1085.96ft)	

**PTZ**

Pan/Tilt Range	Pan: 0° to 360° endless Tilt: -15° to +90°, auto flip 180°
Manual Control Speed	Pan: 0.1°/s~200°/s Tilt: 0.1°/s~120°/s
Preset Speed	Pan: 0.1°/s ~ 240/s Tilt: 0.1°/s ~ 200°/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

Intelligence

IVS (Perimeter Protection)	Tripwire, intrusion, crossing fence detection, loitering detection, abandoned/missing object, fast moving, parking detection, people gathering & linkage tracking
Face Detection	Supports face detection, optimization, capturing pictures, uploading high-quality face snapshots & enhancing face images. Attributes extraction is also supported, where 6 attributes & 8 expressions can be detected. Face cutout is also offered, where you can cutout one face at a time & customize the size to be a one-inch photo. The supported methods for capturing snapshots are real-time capturing, quality first & selecting a preferred image among a group of snapshots
Auto-Tracking	Yes
SMD	SMD 4.0
Quick Pick	Yes

Active Deterrence

Light Warning	Red & Blue light warning Flash duration: 5s ~ 30s Flash frequency: high, medium, low
Sound Warning	Offers 11 type of sound alarms & 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	4K (3840 x 2160), 4M (2560 x 1440), 3M (2048 x 1536), 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	Main stream: 4K, 4M, 3M, 1080p, 1.3M, 720p@1-25/30fps Sub stream 1: D1, CIF, VGA@1-25/30fps Sub stream 2: 1080p, 1.3M, 720p@1-25/30fps
Bit Rate Control	CBR/VBR
Video Bit Rate	H264: 128 Kbps - 16,384 Kbps H265: 128 Kbps - 11,776 Kbps
Day/Night	Auto (ICR), Color & B/W
BLC	Yes
HLC	Yes
WDR	DWDR
White Balance	Auto, indoor, outdoor, tracking, manual, sodium lamp, natural light & street lamp
Gain Control	Auto, manual
Noise Reduction	2D NR, 3D NR
Motion Detection	Yes
Region of Interest (ROI)	Yes
Image Stabilization	Electronic (EIS)
Defog	Electronic
Digital Zoom	16x
Image Rotation	180°
Privacy Masking	Up to 24 areas can be set, with up to 8 areas in the same view & multiple colors available
S/N Ratio	≥ 55 dB

**Audio**

Audio Compression	PCM, G.711a, G.711Mu, G.726, MPEG2-Layer2, G722.1, G.729, G723
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Network

Network Port	RJ-45 (10/100 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	ONVIF (Profile S, Profile G, Profile T), CGI, SDK, P2P
Streaming Method	Unicast/Multicast
User/Host	20 (Total bandwidth: 64M)
Browser	IE 9 & later versions Chrome 41 & later versions Firefox 50 & later versions Safari 10 & later versions
Management Software	DMSS, DSS Pro
Mobile Client	iOS & Android

Certification

Certifications	CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB, ANSI C63.4-2014
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Port

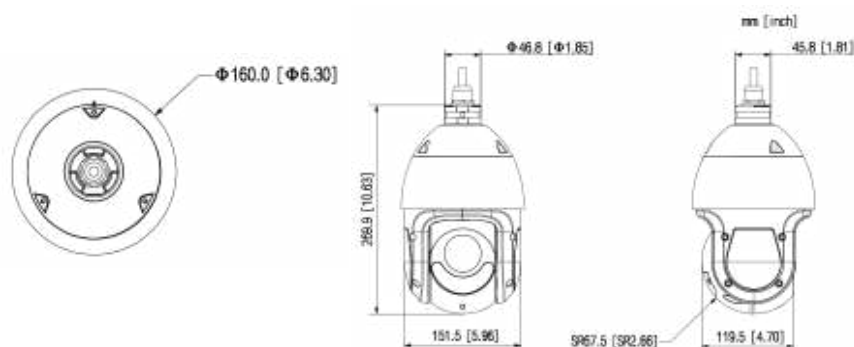
Audio Input	1-Channel (LINE IN, bare wire)
Audio Output	1-Channel (LINE OUT, bare wire, built-in speaker mutually exclusive)
Alarm Input	2 (on-off value input: 0-5 VDC)
Alarm Output	1-Channel
Alarm Linkage	Capture, recording, send email, preset, tour, pattern, alarm digital output, audio, warning light
Alarm Event	Motion tampering detection, audio detection, network disconnection detection, IP conflict detection, memory card state detection, memory space detection

Power

Power Supply	12 VDC, 3 A $\pm$ 10% PoE+ (802.3at)
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Power Consumption	12 VDC: Basic: 8W Max: 16W (White light + Heated glass + PTZ on + Alarm + red & blue flashing light) PoE: Basic: 9W Max: 17W (White light + Heated glass + PTZ on + alarm + red & blue light flashing)
Environment	
Operating Temperature	-40 °C to +65 °C (-40 °F to +149 °F)
Operating Humidity	≤95%
Protection	TVS 6000 V lightning proof; IP66; surge protection; voltage transient protection
Structure	
Product Dimensions	269.9 mm × Φ160.0 mm (10.63" × Φ6.30")
Net Weight	2.6 kg (5.73 lb)
Gross Weight	4 kg (8.82 lb)
Dimensions	



Accessories

Included:



PFB305W
Wall Mount
Bracket

Not Included:



PFA111
Mount Adapter



PFB300C
Ceiling Mount Bracket



PFA150
Pole Mount Bracket



PFB303S
Parapet Mount Bracket



PFA151
Corner Mount
Bracket