



DN4KPTZ3in1



Key Features:



- 1/1.8" 8MP STARVIS™ CMOS.
- 25x optical zoom
- Starlight technology
- Max. 25/30fps@8M
- IR Distance: 150m
- Auto-Tracking 3.0
- Perimeter Protection
- Face detection
- SMD 4.0
- Quick Pick
- Full-Color illuminator, red/blue warning light
- IP66
- PoE (802.3at)



Specifications

CameraDN4KPTZ3in1				
Image Sensor	1/1.8" CMOS			
Pixel	8MP			
Max. Resolution	3840 (H) x 2160 (V)			
ROM	4GB			
RAM	1GB			
Electronic Shutter Speed	1/1 s ~ 1/30,000s			
Scanning System	Progressive			
Min. Illumination	0.001 Lux@F1.6 (Color, 30 IRE) 0.0001 Lux@F1.6 (B/W, 30 IRE) 0 Lux (Illuminator On)			
Illumination Distance	50m (164.04ft) (White Light) 150m (492.13ft) (IR)			
Illuminator On/Off Control	Zoom Prio, Manual, Smart IR, Off			
Illuminator Number	2 (IR) 2 (Dual Light Fusion)			
Lens				
Focal Length	5.4mm ~ 135mm			
Max. Aperture	F1.6 – F4.0			
Field of View	Horizontal: 61.6° ~ 3.6° Vertical: 35.7° ~ 2° Diagonal: 66.6° ~ 4°			
Optical Zoom	25x			
Focus Control	Auto, semi-auto, manual			
Close Focus Distance	0.1m ~ 2m			
Iris Control	Auto, manual			
DORI Distance	Detect	Observe	Recognize	Identify
	2700m (8856.27ft)	1066.5m (2499.02ft)	540m (1771.65ft)	270m (885.83ft)

**PTZ**

Pan/Tilt Range	Pan: 0° to 360° endless Tilt: -20° ~ +90°, auto flip 180°
Manual Control Speed	Pan: 0°/s ~ 240°/s Tilt: 0°/s ~ 120°/s
Preset Speed	Pan: 240°/s Tilt: 120°/s
Preset	300
Tour	8 (up to 32 presets per tour)
Pattern	5
Scan	5
Power-off Memory	Yes
Idle Motion	Preset, Tour, Pattern, Scan

Intelligence

IVS (Perimeter Protection)	Tripwire, intrusion, cross fence detection, loitering detection, abandoned/missing object, fast moving, parking detection, people gathering, vehicle/human alarm classification, linkage tracking
Face Detection	Supports face detection, face bounding box, capturing snapshots, uploading face snapshots, enhancing face images & selecting a preferred image among a group of snapshots. Attribute Extraction is also supported, where 6 attributes & 8 expressions can be detected. The attributes are gender, age, glasses, mask, mustache & expressions. The expressions are angry, sad, hate, scared, surprised, calm, happy & confused. 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	Yes
Quick Pick	Yes

Active Deterrence

Light Warning	Red & blue warning light. They can be configured to flash for 5 ~ 30 seconds with a high, medium or low frequency
Sound Warning	Customizable sound alarm

**Video**

Video Compression	H.264H, H.264B, Smart H.265+, H.264, H.265, MJPEG (Sub Stream), Smart H.264+
Streaming Capability	3 streams
Resolution	4K (3840 x 2160), 4M (2560 x 1440), 3M (2304 x 1296), 3M (2048 x 1536), 1080p (1920 x 1080), 960p (1920 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: 8M, 4M, 3M, 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	H264: 128 Kbps ~ 16384 Kbps H265: 51 Kbps ~ 12288 Kbps
Day/Night	Auto (ICR), Color & B/W
BLC	Yes
HLC	Yes
WDR	120 dB
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
Privacy Masking	Up to 24 areas can be set, with up to 8 areas in the same view, multiple colors available
S/N Ratio	≥55dB

Audio

Audio Compression	PCM, G.711A, G.711Mu, G.726, MPEG2-Layer2, G722.1, G.729, G.723
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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	CGI, SDK, ONVIF (Profile S, Profile G, Profile T)
Streaming Method	Unicast, Multicast
User/Host	20 (total bandwidth: 64M)
Storage	Micro SD card (512GB), FTP/SFTP, NAS
Browser	IE9 & later versions Chrome 41 & later versions Firefox 50 & later versions Safari 10 & later versions
Management Software	DSS, DMSS
Mobile Client	iOS & Android
Certifications	
Certifications	CE-EMC: EN55032, EN61000-3-3, EN61000-3-2, EN50130-4, EN55035 CE-LVD: EN62368-1 FCC: 47 CFR FCC Part 15, Subpart B, NSI C63.4
Port	
Audio Input	1-Channel
Audio Output	1-Channel
Alarm Linkage	Capture, recording, send email, preset, tour, pattern, alarm digital input, audio & warning light
Alarm Event	Motion, tampering, audio & network disconnection, IP conflict detection, memory card state detection, memory space detection
Alarm I/O	2/1
Alarm I/O	1/1
Power	
Power Supply	24VDC 2.5A (±25%)(included), PoE+ (802.3at)
Power Consumption	Basic: 13W. Max.: 23W (Illuminator + red/blue warning light+speaker+PTZ working)

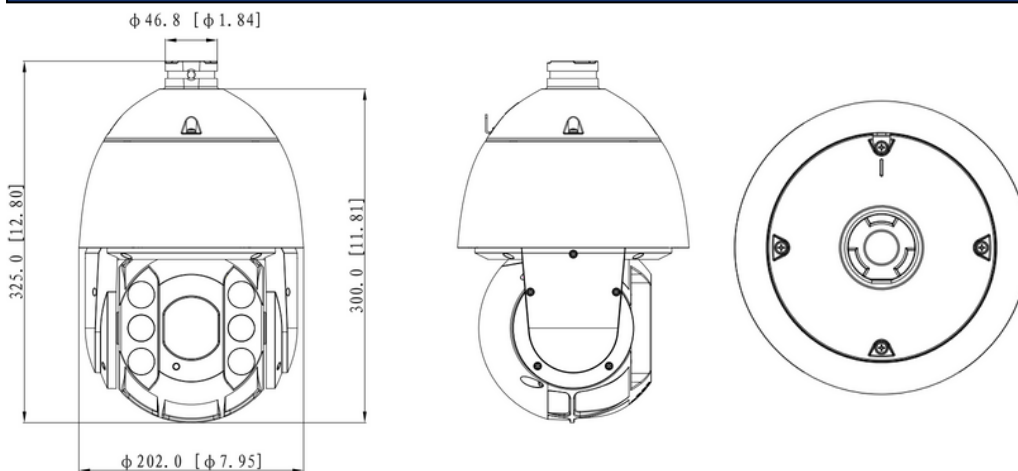


Operating Temperature	-40°C ~ +70°C (-40°F ~ +158°F)
Operating Humidity	≤95%RH
Protection	IP66, TVS 6000 V lightning proof, surge protection, voltage transient protection

Structure

Product Dimensions	325.3mm × Φ202.0mm (12.81" × Φ7.95")
Net Weight	4.6 kg (10.14lb)
Gross Weight	7.13 kg (15.72lb)

Dimensions



Accessories

Included:



PFB305W
Wall Mount Bracket

Optional:



PFA111
Mount Adapter



PFB303S
Parapet Mount
Bracket



PFA151
Corner Mount
Bracket



PFB300C
Ceiling Mount
Bracket



PFA150
Pole Mount
Bracket