



DN4KPTZ525



Key Features



- 1/1.8-in. 8MP Progressive-scan STARVIS™ CMOS Sensor
- Powerful 25x Optical Zoom Lens
- AI Human/Vehicle Auto-Tracking
- Smart H.265+ & Smart H.264+ Dual Codecs
- 8MP@30 fps max. resolution
- Analytics+ Functions — Perimeter Protection, Auto Tracking & SMD 3.0
- Starlight Technology for Ultra-low Light Sensitivity
- Maximum IR Distance up to 150 m (492.13 ft)
- Predictive Focus Algorithm+ (PFA+) Technology
- Operational down to -40° C (-40° F)
- IP67 Ingress Protection and IK10 Vandal Resistance



Specifications

Camera		DN4KPTZ525			
Image Sensor	1/1.8" STARVIS™ CMOS				
Pixel	8MP				
Max. Resolution	3840 (H) x 2160 (V)				
ROM	8GB				
RAM	2GB				
Electronic Shutter Speed	1/1 s ~ 1/30,000s				
Scanning System	Progressive				
Min. Illumination	Color: 0.005 Lux@F1.6 B/W: 0.0005 Lux@F1.6 0 Lux (IR On)				
Illumination Distance	150m (492.13ft)				
Illuminator On/Off Control	Zoom Prio, manual, Smart IR				
Illuminator Number	4 (IR Light)				
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	0.5m ~ 7m (1.64ft ~ 22.97ft)				
Iris Control	Auto, manual				
DORI Distance	Detect	Observe	Recognize	Identify	
	2700m (8858.27ft)	1066m (3497.38ft)	540m (1771.65ft)	270m (885.83ft)	

**PTZ**

Pan/Tilt Range	Pan: 0° to 360° endless Tilt: -15° ~ +90°, auto flip 180°
Manual Control Speed	Pan: 0.1° ~ 300°/s Tilt: 0.1° ~ 200°/s
Preset Speed	Pan: 400°/s Tilt: 300°/s
Preset	300
Tour	8 (up to 32 presets per tour)
Pattern	5
Scan	5
Power-off Memory	Support
Idle Motion	Pattern, preset, scanning & tour
Protocol	DH-SD Pelco-P/D (auto recognition)

Intelligence

IVS	Object abandoned & missing
Event Trigger	Motion detection, video tampering, scene changing, network disconnection, IP address conflict, illegal access & store anomaly

Artificial Intelligence

Perimeter Protection	Tripwire & intrusion. Support alarm triggered by target types (human/vehicle). Support filtering false alarms caused by animals, rustling leaves, bright lights, etc.
Auto Tracking	Support

Video

Compression	H.265+, H.265, H.264+, H.264, MJPEG (Sub Stream)
Streaming Capability	3 streams
Resolution	4K (3840 x 2160), 1080p (1920 x 1080), 1.3M (1280 x 960), 720p (1280 x 720), D1 (704 x 576), CIF (352 x 288)
Frame Rate	Main Stream: 8M, 1080p, 1.3M, 720p(1-25/30fps) Sub Stream 1: D1, CIF (1-25/30fps) Sub Stream 2: 1080p, 1.3M, 720p (1-25/30fps), D1, CIF (1-25/30fps)



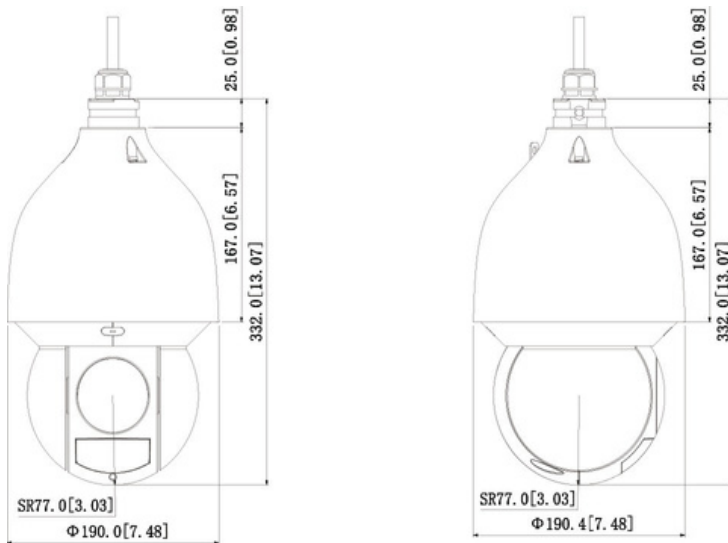
Bit Rate Control	Variable, constant
Bit Rate	H264: 32 Kbps – 8192 Kbps H265: 32 Kbps – 8192 Kbps
Day/Night	Auto (ICR), Color & B/W
BLC	Support
HLC	Support
WDR	120 dB
White Balance	Auto, indoor, outdoor, tracking, manual, sodium lamp, natural light & street lamp
Gain Control	Auto, manual
Noise Reduction	2D, 3D
Motion Detection	Support
Region of Interest (ROI)	Support
Image Stabilization	Electronic
Defog	Support
Digital Zoom	16x
Flip	0° ~ 180°
Privacy Masking	Up to 24 areas can be set, with up to 8 areas in the same view
S/N Ratio	≥56dB
Audio	
Compression	G.711A, G.711Mu, G.726, AAC, G.722.1, G.723, G.729, PCM, MPEG2-Layer2
Network	
Ethernet	RJ-45 (10, 100 Base-T)
Protocol	IPv4, IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMPv1, v2c, v3 (MIB-2), DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPoE, ARP, RTCP
Interoperability	ONVIF (Profile S, Profile G, Profile T), CGI
Streaming Method	Unicast, Multicast
User/Host	20 (total bandwidth: 64m)



Storage	FTP, Micro SD card (256G)
Browser	IE 7 & later versions Chrome 42 & later versions Firefox 52ESR & earlier versions Safari
Management Software	Smart PSS, DMSS, Easy4ip
Mobile Client	iOS & Android
Certification	
Certifications	CE: EN55032, EN55024, EN50130-4 FCC: Part15 subpartB, ANSI C63.4-2014 UL: UL60950-1+CAN/CSA C22.2, No. 60950-1
Port	
Audio I/O	1 (Line in, bare wire) 1 (Line out, bare wire)
Alarm I/O	2/1
Power	
Power Supply	DC 24 V/2.5A±25% PoE+ (802.3at)
Power Consumption	11W, 20W (PTZ pan tilt, IR On)
Environment	
Operating Temperature	-40°C ~ +70°C (-40°F ~ +158°F)
Operating Humidity	≤95%
Structure	
Casing	Metal
Dimensions	Φ190mm × 332mm (7.48" × 13.07")
Net Weight	4.7 kg (10.36 lb)
Gross Weight	8 kg (17.64 lb)



Dimensions



Accessories

Included:



PFB305W
Wall Mount Bracket

Optional:



PFA111
Mount Adapter



PFA151
Corner Mount Bracket



PFB300C
Ceiling Mount Bracket



PFA150
Pole Mount Bracket



PFA120
Junction Box



PFA140
Power Box



PFB303S
Parapet Mount Bracket