



DN4MPTZ425XAiAT



Key Features



- 1/2.8" 4 Megapixel STARVIS™ CMOS.
- 25x optical zoom.
- Starlight technology.
- Max. 25-30fps@4MP.
- IR distance up to 100m.
- Auto-tracking.
- Perimeter protection.
- Face detection.
- SMD 3.0.
- IP66.



Specifications

Camera					DN4MPTZ425XAiAT				
Image Sensor		1/2.8" CMOS							
Pixel		4MP							
Max. Resolution		2560 x 1440							
ROM		128 MB							
RAM		512MB							
Electronic Shutter Speed		1/1s ~ 1/30000s							
Scanning System		Progressive							
Min. Illumination		Color: 0.005 Lux@F1.6 B/W: 0.0005 Lux@F1.6 0 Lux (IR On)							
Illumination Distance		100m (328.08ft) (IR)							
Illuminator On/Off Control		Zoom Prio, Manual, Auto, Off							
Illuminator Number		6 (IR)							
Lens									
Focal Length		5mm ~ 125mm							
Max. Aperture		F1.6 ~ F3.6							
Field of View		Horizontal: 51.9° ~ 3.0° Vertical: 39.7° ~ 2.2° Diagonal: 63.1° ~ 3.7°							
Optical Zoom		25x							
Focus Control		Auto, semi-auto & manual							
Close Focus Distance		0.5m ~ 5m (1.64ft ~ 16.40ft)							
Iris Control		Auto, manual, fixed							
DORI Distance	Detect	Observe		Recognize		Identify			
	2500m (8202.10ft)	987.5m (3239.83ft)		500m (1640.42ft)		250m (820.21ft)			

**PTZ**

Pan/Tilt/Range	Pan: 0° ~ 360° endless Tilt: -5° ~ +90° auto flip 180°
Manual Control Speed	Pan: 0.1°/s ~ 240°/s Tilt: 0.1°/s ~ 160°/s
Preset Speed	Pan: 240°/s Tilt: 160°/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	DH-SD

Intelligence

IVS (Perimeter Protection)	Tripwire, intrusion, crossing 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 track box, capturing pictures, face enhancement, supports face cutout, face, one-inch photo. Capturing strategies include real-time capturing & quality first
Auto Tracking	Yes
SMD	Yes

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	4M (2560 x 1440), 3M (2304 x 1296), 1080p (1920 x 1080), 1.3M (1280 x 960), 720p (1280 x 720), D1 (704 x 575), VGA (640 x 480), CIF (352 x 288)
Video Frame Rate	Main Stream: 4M, 3M, 1080p, 1.3M, 720p@1-25/30fps Sub Stream 1: D1, VGA, CIF@1-25/30fps Sub Stream 2: 720p, CIF@1-25/30fps



Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 96 Kbps ~ 14848 Kbps H.265: 38 Kbps ~ 8960 Kbps
Day/Night	Auto (ICR), Color, B/W
BLC	Yes
WDR	120 dB
HLC	Yes
White Balance	Auto, indoor, outdoor, ATW, 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
S/N Ratio	≥55dB
Audio	
Audio Compression	G.711A, G.711Mu, G.726, MPEG2-Layer2, G722.1, PCM
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, SAMBA
Interoperability	CGI, SDK, ONVIF (Profile S, Profile G, Profile T), P2P
Streaming Method	Unicast/Multicast
User/Host	20 (Total bandwidth: 64M)
Storage	Micro SD card (512 GB), FTP/SFTP, NAS



Browser	IE 9 & later versions Chrome 41 & later versions Firefox 50 & later versions iOS 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 UL: UL62368-1
Port	
Audio Input	1-Channel (LINE IN, bare wire)
Audio Output	1-Channel (LINE OUT, bare wire)
Alarm Linkage	Capture, preset, tour, pattern, recordings on SD card, alarm digital input, send email
Alarm Event	Motion/Tampering detection, audio detection, network disconnection detection, IP conflict detection, memory card state detection, memory space detection
Alarm I/O	2/1
Audio I/O	1/1
Power	
Power Supply	12 VDC/2 A $\pm$ 10% (included) PoE+ (802.3at)
Power Consumption	Basic: 9.5W Max.: 21.5W (Illuminator On + Fan On + PTZ)
Environment	
Operating Temperature	-40 °C to +65 °C (-40 °F to +149 °F)
Operating Humidity	$\leq$ 95%
Protection	IP66, TVS 6000 V lightning proof, surge protection, voltage transient protection
Structure	
Product Dimensions	170.4 mm $\times$ Φ 171.1 mm (6.71" $\times$ Φ 6.74")
Net Weight	2.5 kg (5.51 lb)
Gross Weight	3.2 kg (7.05 lb)



Accessories



PFA101
Mount Adapter



PFB303W
Wall Mount Bracket



PFB300C
Ceiling Mount Bracket



PFB303S
Parapet Mount Bracket



PFA150
Pole Mount Bracket



PFA151
Corner Mount Bracket