

DH-PTZ1A225-HNR-XA2MP

DAHU DH-PTZ1A225-HNR-XA2MP 25x Starlight WizSense Network Positioning System



Model	DH-PTZ1A225-HNR-XA2MP
Brend	Dahua
Növ	IP
Meqapixel	2 MP
Obyektiv	PTZ
Fokus	2.7 - 13.5
İşıqlandırma	İR
İşıqlandırma məsafəsi	150m
Qoruma	IP67
Material	Metal

Specification

Camera				
Image Sensor	1/2.8" CMOS			
Pixel	2MP			
Max. Resolution	1920 (H) × 1080 (V)			
ROM	4 GB			
RAM	1 GB			
Electronic Shutter Speed	1/1 s–1/30000 s			
Scanning System	Progressive			
Min. Illumination	Color: 0.005 Lux@F1.6 B/W: 0.0005 Lux@F1.6 0 Lux (IR light on)			
Illumination Distance	150 m (492.13 ft)			
Illuminator On/Off Control	Zoom Prio/Manual/Off			
Illuminator Number	4 IR lights			
Lens				
Focal Length	4.8 mm–120 mm			
Max. Aperture	F1.6–F3.5			
Field of View	H: 61°–2.8°; V: 33.2°–1.7°; D: 67.3°–3.9°			
Optical Zoom	25x			
Focus Control	Auto/Semi-Auto/Manual			
Close Focus Distance	0.1 m–1.5 m (0.33 ft–4.92 ft)			
Iris Control	Auto			
DORI Distance	Detect	Observe	Recognize	Identify
	1655.2 m (5430.45 ft)	656.8 m (2154.86 ft)	331 m (1085.96 ft)	165.5 m (542.98 ft)
PTZ				
Pan/Tilt Range	Pan: 0°–360° endless Tilt: –90° to +90° auto flip 180°			

Manual Control Speed	Pan: 0.1°/s–120°/s Tilt: 0.1°/s–75°/s
Preset Speed	Pan: 160°/s; Tilt: 110°/s
Presets	300
Tour	8 (up to 32 presets per tour)
Pattern	5
Scan	5
Power-off Memory	Support
Idle Motion	Preset/Tour/Pattern/Scanning
Protocol	DH-SD Pelco-P/D (auto recognition)
Artificial Intelligence	
Video Metadata	Supports detecting motor vehicles, non-motor vehicles, human faces and human bodies. Supports tracking, capturing pictures, and uploading high-quality snapshots.
Perimeter Protection	Tripwire, intrusion, abandoned object and missing object. Supports triggering alarms based on human and vehicle classification and tracking linkage.
Face Detection	Support
Video	
Compression	H.264; H.265; H.264B; H.264H; MJPEG (Sub Stream); H.265+; H.264+
Streaming Capability	3 streams
Resolution	1080P (1920 × 1080); 1.3M (1280 × 960); 720P (1280 × 720); D1 (704 × 576); CIF (352 × 288)
Frame Rate	Main stream: 1080P/960P/720P (1–50/60 fps) Sub stream 1: D1/CIF (1–50/60 fps) Sub stream 2: 1080P/960P/720P/D1/CIF (1–50/60 fps)
Bit Rate Control	Variable/constant
Bit Rate	H.264: 3 Kbps–20480 Kbps H.265: 3 Kbps–20480 Kbps
Day/Night	Auto (ICR)/Color/B/W
BLC	Support
WDR	120 dB
HLC	Support
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	Electronic
Digital Zoom	16x
Flip	180°
Privacy Masking	Up to 24 areas, and up to 8 areas in the same view
S/N Ratio	≥ 55 dB
Audio	
Compression	G.711A; G.711Mu; G.726; AAC; MPEG2-Layer2; G.722.1; G.729; G.723
Network	
Ethernet	RJ-45 (10/100Base-T)
Protocol	IPv4; IPv6; HTTP; HTTPS; 802.1x; Qos; FTP; SMTP; UPnP; SNMP; DNS; DDNS; NTP; RTSP; RTP; TCP; UDP; IGMP; ICMP; DHCP; PPPoE; ARP; SNMPv1/v2c/v3 (MIB-2); RTCP; RTMP
Interoperability	ONVIF (Profile S/Profile G); CGI
Streaming Method	Unicast/Multicast
User/Host	20 (total bandwidth 64M)
Storage	FTP; Micro SD card (256G); NAS

Browser	IE7 and later versions Chrome 42 and earlier versions Firefox 52 and earlier versions Safari
Management Software	Smart PSS; DSS; DMSS; Easy4ip; IVSS
Mobile Phone	iOS; Android
Certification	
Certifications	CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB, ANSI C63.4-2014
Port	
Audio In	1 (LINE IN; bare wire)
Audio Out	1 (LINE OUT; bare wire)
Two-way Audio	Support
Alarm In	2 digital inputs (0-5V DC)
Alarm Out	1
Alarm Linkage	Capture; preset; tour; pattern; SD card record; trigger digital output; client electronic map; send email
Alarm Event	Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; encoder state detection; memory card state detection; memory space detection
Power	
Power Supply	DC 12V/4A \pm 10% PoE+ (802.3at)
Power Consumption	Basic: 14W Max: 23W (IR light on, PTZ operations)
Environment	
Operating Temperature	-40°C to +70°C (-40°F to +158°F)
Operating Humidity	\leq 95%
Protection	IP67; TVS 8000V lightning proof; surge protection; voltage transient protection
Structure	
Dimensions	161.0 mm \times 135.3 mm \times 291.5 mm (6.34" \times 5.32" \times 11.48")
Net Weight	3.6 kg (7.93 lb)
Gross Weight	6.4 kg (14.11 lb)