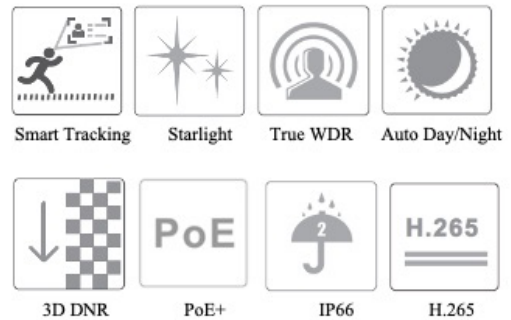


## 4MP 25X Auto-Tracking PTZ Camera



IP-PTZ-425



### System

The IP-PTZ-425 is a 4MP 25x Zoom Auto-tracking PTZ camera with Starlight Infrared night vision. It is suitable for wide range of intrusion and perimeter surveillance applications. The image sub-system is designed for more reliable AI analysis and object recognition results. Upon detecting illegal intrusion, the camera will track the object until it leaves the defined restricted regions. The IP-PTZ-425 can recognize up to 15 objects per second. It recognizes human faces up to 380 feet and records human behaviors up to 1000 feet in most scenarios.

### Key Spec:

- 1/2.5" progressive scan CMOS
- Up to 2560x1440 resolution
- Mini illumination:
  - Color: 0.01 lux @ (F1.65 AGC ON)
  - B/W: 0.002 lux @ (F1.65 AGC ON)
  - 0 Lux with IR
- 25x optical zoom, 16x digital zoom
- 120 dB WDR, 3D DNR, Smart IR
- Up to 100m IR Night Vision distance
- Smart H.265/H.264 video compression
- 1.0 Tops Deep-learning Engine
- Smart tracking of human/vehicle
- Smart detection and perimeter protection
- IP66, -30°C~60°C, Aluminum Alloy & Plastic
- PoE+ (802.3.at, class 3) and DC24V/AC24V
- ONVIF, API and SDK

### Application:

CCTV Camera Pros supplies this camera mostly for commercial and government applications. High end residential applications are sometimes applicable.

## SPECIFICATION:

<b>Camera Module</b>	
Image sensor	1/2.5" progressive scan CMOS
Mini. Illumination	Color : 0.01Lux @ (F1.65 , AGC ON) ; B/W : 0.002Lux @(F1.65 , AGC ON);0Lux with IR
Image setting	Flip, Mirror, Saturation, Brightness, Contrast, Sharpness, AGC, and AWB adjusted by client software/browser
Shutter Speed	1/1 s – 1/10,000 s
White Balance	Auto/Manual/Indoor/Outdoor
Gain	Auto/Manual
Day & Night	IR Cut filter
Digital Zoom	16x
Privacy Mask	4 Programmable privacy masks
3D DNR	Auto/Manual
BLC	Yes
HLC	Yes
WDR	120 dB
Defog	Electronic
EIS	Yes
Regional Exposure	No
Picture overlay	Logo picture could be overlaid on video with 128x128pixels,24bits BMP format
<b>Lens</b>	
Focus length	f=4.8-120mm lens,25x optical zoom
Zoom Speed	Approx. 3.6s (optical zoom, wide-tele)
Field of View	Horizontal: 55° ~2.4° (wide-tele); Vertical: 35° ~ 1.4° (wide-tele); Diagonal: 61.5° ~ 2.8° (wide-tele)
Working distance	wide: 1.0m ~ INF; tele: 1.5m ~ INF
Aperture Range	F1.65 ~ F3.8 (wide-tele)
<b>PTZ</b>	
Pan Range	360°endless
Pan speed	Configurable, from 0.1~80°/s; Preset speed: 150°/s
Tilt Range	From -3° to 90°
Tilt Speed	Configurable, from 0.1°~ 80°/s, Preset speed: 120°/s
Proportional Zoom	Yes
Preset	360
Cruise	8 cruises, up to 16 presets for each cruises
Track	4 tracks, record time over 3 minutes for each track
Power off memory	Support
Action mode	Preset/Cruise/Track/Auto Scan/Random Scan
3D Positioning	Support
PTZ Position Display	Support
Schedule Task	Preset/Cruise/Track/Random Scan/Boundary Scanning /Dome reboot
<b>IR</b>	
IR Distance	100m (328 f.t.)
Smart IR	Yes, support facial exposure
<b>Network</b>	
Max Resolution	2560x1440
Main stream	2560x1440,2048x1536,1920x1080,1280x960,1280x720 ( 25/30 fps)
Sub stream	25fps (704 × 576, 640 × 480, 352 × 288) 30fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
SVC	Yes
Video compression	Smart H.265+/H.265/H.264/MJPEG

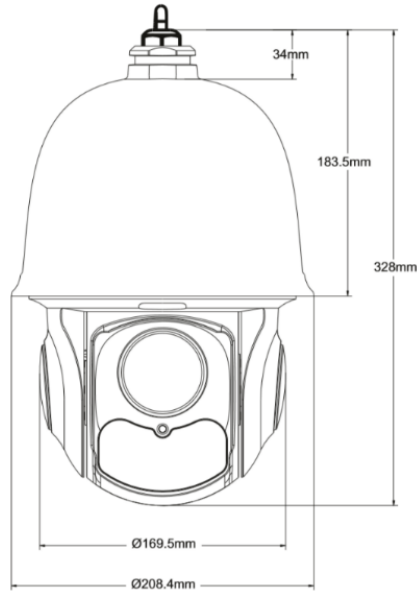
Audio compression	G.711 A/U
Audio Enhancement	No
Protocols	HTTP, HTTPS, IPv4/IPv6, 802.1x, QoS, FTP, SMTP, UPnP, SNMP,DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP,DHCP, PPPoE
Simultaneous live view	Up to 6 channels
User / Host	Up to 16 users, 3 levels: Administrator, Advanced User and Normal User
Security Measures	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption, IEEE802.1x port-based network access control; IP address filtering
<b>Smart Features</b>	
Basic event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, SD full, SD error) , defocus detection
Face Recognize /Compare	Default off, max 30 human faces per second.
People Density/LPR	Not support by this product
Smart Detection	Intrusion detection, Line crossing detection, Region entrance detection, Region exiting detection, Unattended baggage detection, Object removal detection, Scene change detection, Support alarm triggering by human or vehicle, filtering flag/animal.
Smart Tracking	Manual Tracking, Auto Tracking (human or vehicle by software setting)
<b>System Integration</b>	
Alarm Interface	1 Alarm input; 1 Alarm output
Audio Interface	1 audio input(MIC in); 1 audio output, line level, impedance,600Ω
Alarm Linkage	Alarm actions, such as Preset, Cruise, Track, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card, Send Email, etc.
Network Interface	1 RJ45 10M/100M Adaptive Ethernet (Support PoE 802.3.at,class 3)
CVBS	None
RS 485	None
SD Card Slot	One MicroSD/SDHC/SDXC card slot, up to 256G
API	ONVIF, supportsSDK and third-party management platform
Client	Windows, Mac, iPhone, Android
Web Browser	IE8-11, Chrome41.0-44, Firefox30.0-51, Safari8.0-11
<b>General</b>	
Power	DC24V,AC24V or PoE+ (802.3.at, class 3), (Max 30W, include IR, Heater, Fan working, max 9W for IR)
Working condition	-30°C ~ 60°C (-22°F ~ 140°F),90%RH less (non-condensing),Cold start at - 25°C
Storage condition	-40°C ~ 65°C ; ≤ 95% RH
Protection	IP66, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Material	Aluminum Alloy + Plastic
Dimensions	Φ 209mm × 328mm ( 8.22 inch Φ × 12.91 inch)
Weight	Approx. 3.7 Kg (8.31 lb.)
Certification	IP66,ROHS,CE,FC

## DORI table

It is calculated based on the camera sensor specification and the criteria given by EN 62676-4: 2015.

DORI	Detect (human behaviours)	Observe (as Court level evidence)	Recognize (face ID, CPL)	Identify (human and his photo)
Define	25Pixels /meter	63Pixels/meter	125Pixels/meter	250pixels/meter
Distance	1900m(6233 ft.)	760m (2493 ft.)	380m (1246 ft.)	190m (623 ft.)

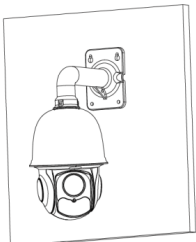

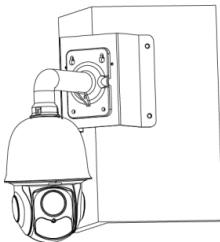
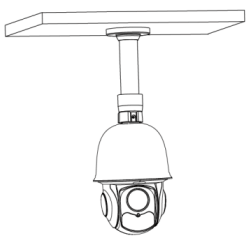
## Dimensions:



## Ordering information

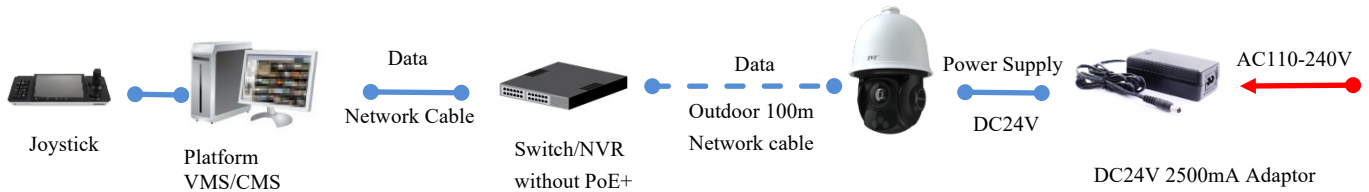
Camera	IP-PTZ -425	5 Inch 4MP 25X Starlight 100m IR Network PTZ Camera, Smart Tracking, DC24V/AC24V/PoE+, IP66,-30°C~65°C,Not include Power adaptor and Bracket
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## Mounting Brackets Options :

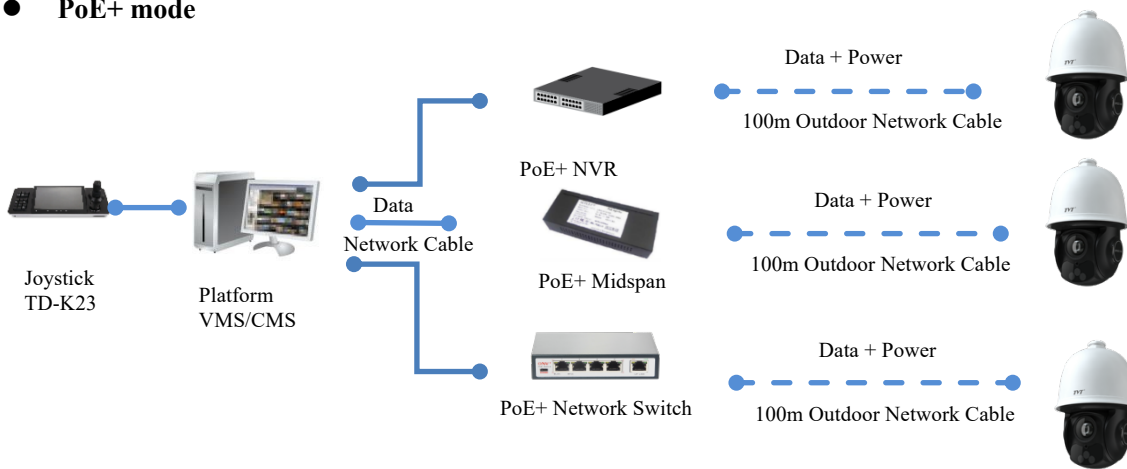
Wall mount	Pole Mount	Corner Mount	Pendant mount
			

## Connection Options :

- **Legacy connection mode**



- **PoE+ mode**



\* All pictures and texts are for reference only. Actual product may vary due to product enhancement.

### CCTV Camera Pros

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E-mail: [info@cctvcameraapros.net](mailto:info@cctvcameraapros.net)