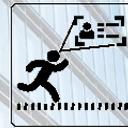




4MP 30X Starlight IR Network PTZ Camera

ZTIPX4M-PTZ30X-V2



Smart Tracking



Starlight



True WDR



Auto Day/Night



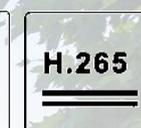
3D DNR



PoE+



IP66



H.265

System

ZTIPX4M-PTZ30X-V2, 4MP 30x Starlight IR Network PTZ camera, is AI detection and tracking PTZ, for wide range of intrusion and perimeter protection applications. The image sub-system is designed and fine-tuned for more reliable AI analysis and recognition results. Upon detecting illegal intrusion, the camera will trace it until the object leave out of restricted regions. This model could recognize max 30 objects per second, recognize human faces up to 500m distance or record human behaviors up to 2500m 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
- 30x optical zoom, 16x digital zoom
- 120 dB WDR, 3D DNR, Smart IR
- Up to 300 m IR distance
- Smart H.265/H.264 video compression
- 1.5Tops Deep-learning engine, support human/vehicles detection, auto-tracking Smart tracking of human/vehicle
- Smart detection and perimeter protection
- IP67 Water immersion /true IK10 glass/6KV Surge protection,7x24H harsh weather
- PoE+ (802.3.at, class 3) and DC24V/AC24V
- ONVIF, API and SDK
- Focus: Auto , Manual

SPECIFICATION:

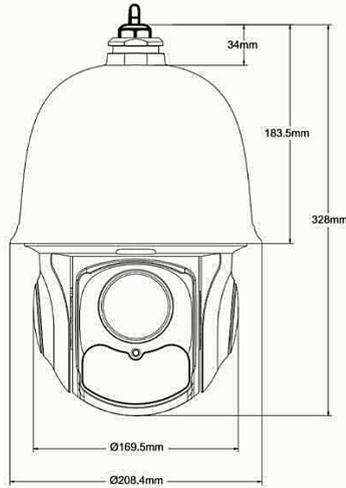
| Camera Module | |
|----------------------|--|
| System | Hi3516DV300, 8Gb LPDDR3,4GB Flash |
| Image sensor | 1/2.5" progressive scan CMOS |
| Mini. Illumination | Color 0.01Lux @ (F1.5 AGC ON) B/W 0.002Lux @ (F1.5 AGC ON); 0Lux with IR |
| Image setting | Flip, Mirror, Saturation, Brightness, Contrast, Sharpness, AGC, and AWB adjusted by client software/browser |
| Shutter Speed | 60Hz: 1/30s – 1/30,000s@30fps; 50Hz: 1/25s~1/25,000s@25fps |
| White Balance | Auto/Manual/Indoor/Outdoor |
| Gain | Auto/Manual |
| Day & Night Switch | IR Cut filter, Auto |
| Digital Zoom | 16x |
| Privacy Mask | 8 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 |
| Lens | |
| Focus length | f=4.7-141mm lens,30x optical zoom |
| Zoom Speed | Approx. 4s (optical zoom, wide-tele) |
| Field of View | Horizontal: 62.5°~2.1° (wide-tele) Vertical: 37.3°~ 1.3° (wide-tele) Diagonal: 70°~ 2.6° (wide-tele) |
| Working distance | wide: 1.0m ~ INF; tele: 1.5m ~ INF |
| Aperture Range | F1.5 ~ F4 (wide-tele) |
| PTZ | |
| 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 |
| IR | |
| IR Distance | 100m (328 ft.) 150 Meter , Auto |
| Smart IR | Yes, support facial exposure |
| Network | |
| Max Resolution | 2560×1440 |
| Main stream | 2560×1440,2048×1536,1920×1080,1280×960,1280×720 (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 V2/V3, ICMP,ICMPV6,,ARP,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 |
| Smart Features | |
| 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. |
| Road traffic | Vehicle detecting and tracking(ver5.1.1) |
| 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) |
| System Integration | |
| 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/512G (OPTINAL) |
| API | ONVIF Profile S,G,T,M, support SDK and third-party management platform |
| Client | ZTVMS , And the third-party client |
| Web Browser | IE8-11, Chrome41.0-44, Firefox30.0-51, Safari8.0-11 |
| General | |
| 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 , IK 10 |
| 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

| DORI | Detect (human behaviors) | Observe (as Court level evidence) | Recognize (face ID, CPL) | Identify (human and his photo) |
|----------|-----------------------------|--------------------------------------|-----------------------------|-----------------------------------|
| Define | 25Pixels /meter | 63Pixels/meter | 125Pixels/meter | 250pixels/meter |
| Distance | 2500m(8208 ft.) | 1000m (3280 ft.) | 500m (1640 ft.) | 250m (820 ft.) |

Dimensions:



Mounting Brackets Options:

| Wall mount | Pole Mount | Corner Mount | Pendant mount |
|------------|------------|--------------|---------------|
| | | | |

