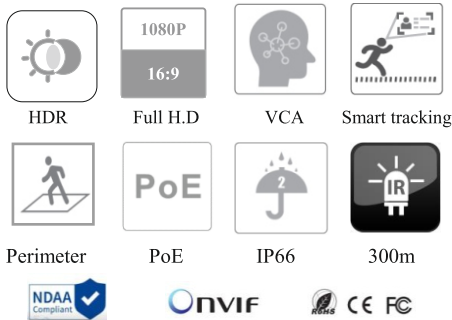


AMCOM

AM-PX02

2MP 25X IR Network PTZ Camera



AM-PX02, the 3rd generation of AI smart-tracking PTZ camera which adopts a high quality 25x optical zoom lens, and high computing AI SOC, could deliver top-notch 1920x1080@30fps image details over a wide open area. The PTZ camera can detect max 17 objects per scene, classify human/vehicles within 600m in radius, when any of them intrude restricted area, the camera will trace, zoom fit in center of screen, snap and record and trigger alert until object disappeared. This new generation of PTZ improved the sensitivity, dynamic range and night vision distance greatly. It could bring up vivid color image in most areas, without switching to IR night mode or WDR/BLC/HLC. Even in the pitch black environment, it could capture human appearance up to 300m or human behaviors up to 600m, at court evidence level. The PTZ has H.265 video compression which reduces bit rate down to 50% of H.264 without loss. And it conforms to the ONVIF, ensuring interoperability between surveillance video products regardless of manufacturers. The PTZ confirms to most security regulation and data protection policy. With competitive price, excellent picture quality and good protection, the camera could meet the demand of small size of surveillance application.

Address: C112, Sector 65, Gautam Buddha Nagar, Noida - 201301 (U.P.)

*All picture and specifications are for reference only and are subject to change without prior notice.

Key Spec:

- Excellent low light performance
- Super long IR light supplement distance for a small PTZ
- Deep-learning engine, support human/vehicles detection, auto-tracking
- Small body, good protection, 7x24Hours outdoor weather
- Stable supply-chain, long product life circle,
- Confirms to data protection regulations of major countries.

Application:

Intrusion, perimeter protection and alarm for a large area, such as parks, scenic spots, stations and venues, industrial park.
Suggestion installing height: about 5-15m.

Specifications:

| Camera Module | |
|-------------------------|--|
| Image sensor | 1/2.8" progressive scan CMOS image sensor(BSI and NIR++,dual gain) |
| Max resolution | 1920x1080 |
| Mini. Illumination | Color: 0.00125 Lux @(F1.6, AGC ON); B/W: 0.00025Lux @(F1.6, AGC ON);0Lux with IR |
| Image setting | Flip, Mirror, Saturation, Brightness, Contrast, Sharpness, AGC, etc. adjusted by client |
| Shutter Speed | 60Hz: 1/30s – 1/30,000s; 50Hz: 1/25s–1/25,000s |
| White Balance | Auto/Manual/Indoor/Outdoor |
| Gain control | Auto/Manual |
| Day & Night control | Auto/Manual , time schedule. |
| Iris control | Auto/Manual |
| SNR | ≥52dB |
| 3D DNR | Auto/Manual |
| AE Enhancement | BLC, HLC, 128dB HDR |
| Digital Zoom | 16X |
| Electronical Stabilizer | N/A |
| Privacy Mask | 4 areas, up to 8 mask per request. |
| Picture overlay | Logo picture could be overlaid on video with 128x128pixels,24bits format |
| OSD overlay | Max 15 characters/line, 8 lines, white or red font color |
| Lens | |
| 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°;Vertical: 3 3°~ 1.4°;Diagonal: 6 1.5°~ 2.8°(Wide -Tele), ±5% |
| Image distance | Wide: 1.0m ~ INF; tele: 1.5m ~ INF |
| Aperture Range | Max F1.6 |
| Iris Type | DC_IRIS |
| IRCut type | Removable IRCut filter Blue diamond glass to remove image flare |
| PTZ | |
| Pan Range | 360°endless |
| Pan speed | Configurable, from 0.1~200%; Preset speed: 240% |
| Tilt Range | From -10°to 90°;auto flip |
| Tilt Speed | Configurable, from 0.1% 200%, Preset speed: 240% |
| Proportional Zoom | Yes |
| Preset | 360 |
| Cruise | 8 cruises, up to 16 presets for each cruises |
| Trace | 4 traces, record time over 3 minutes for each trace |
| Power off memory | Support |
| Action mode | Preset/Cruise/Trace/Auto Scan/Random Scan |
| 3D Positioning | Support |
| PTZ Position Display | Support |
| Schedule Task | Preset/Cruise/Trace/Random Scan/Boundary Scanning /Dome reboot/Water Remover/Defrost |
| IR | |
| IR Distance | 300m (984.3 ft.) |
| Smart IR | Yes |
| Network | |
| Main stream | 50Hz: 1920 × 1080,1280 × 960,1280 × 720 @25fps; 60Hz: 1920 × 1080,1280 × 960,1280 × 720 @30fps |
| Sub stream | 50Hz: 704 × 576, 640 × 480, 352 × 288 @25fps; 60Hz: 704 × 480, 640 × 480, 352 × 240 @30fps |

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|---------------------------|---|
| Third Stream | 50Hz: 1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288 @25fps 60Hz: 1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240 @30fps |
| Video compression | H.265+/H.265/H.264+/H.264/MJPEG |
| H.264 Standard | H.264/AVC codec BP/MP/HP, Level 5.1 |
| H.265 Standard | H.265/HEVC codec MP, level 5.0 |
| Video Bit Rate | 64Kbps to 16Mbps |
| Audio compression | G.711 A/U |
| Audio Bit Rate | 64K bps |
| Protocols | HTTP, HTTPS, IPv4/IPv6, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, DHCP, PPPoE, P2P |
| 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 |
| API | ONVIF G/S/T, support TVT SDK and third-party management platform |
| Client | TVT N9000 1.4.6, TVT NVMS 2.0; and the third-party client, free iOS and Android App |
| Web Browser | IE8-11 with plug-in; Edge, Chrome, Firefox with plugin free |
| Smart Features | |
| Basic event | Motion detection, Video tampering alarm, Exception(Network disconnected, IP address conflict, SD full, SD error) |
| Face recognize | Default off (Per customer request), max 17faces per scene, detect, capture, upload, score, compare. |
| Road traffic | Vehicle detecting and tracking |
| Smart Detection | Tripwire, Bi-directional tripwire, Intrusion detection, Region entrance detection, Region exiting detection, etc. More VCA per request. |
| Smart Tracking | Smart tracking of human or vehicle, auto/manual |
| System Integration | |
| Alarm Interface | 1 Alarm input(Dry contact); 1 Alarm output |
| Audio Interface | 1 audio input, line level, 2.0-2.4Vpp, impedance 1KΩ ; 1 audio output, line level, impedance, 600Ω |
| Alarm Linkage | Alarm actions, such as Preset, Cruise, Track, Memory Card Video Record, Trigger Recording, Upload to FTP/Memory Card, Send Email, etc. |
| Network Interface | 1 RJ45 10M/100M Adaptive Ethernet ,Support PoE |
| SD Card Slot | One MicroSD slot, up to 256G |
| RS485 | N/A |
| BNC | N/A |
| Built-in Speaker & Mic | N/A |
| Reset button | Yes |
| Built-in Heater & Fan | Yes |
| Water removal | anti-rain-drops lotus coating glass, quick-spinning |
| Frost removal | Hot air loop, desiccant, vacuumize |
| General | |
| Languages | Czech; English, German ; Hungarian ; Italian ; Japanese ; Korean ; Portuguese, Polish; Russian, Romanian, Spanish; Spanish(Mexico);Simplified Chinese; Turkish; Traditional Chinese, etc. |
| Power Supply | DC12V±25%, 3000mA ,PoE (802.3.at, class 3), max 22W include IR ON+PTZ working |
| Working condition | -40°C ~ 65°C (-44F ~ 149F), IR OFF; -40°C ~ 50°C(-40F ~ 113F), IR ON; Cold start at -30°C (0.5 -1 hour waiting); 90%RH |
| Storage condition | -40°C ~ 70°C ; ≤ 95% RH |
| Protection | 6000V Lightning Protection, Surge Protection and Voltage Transient Protection |
| Shield Material | Aluminum Alloy(ADC12); Polymer(PC+GF15%) |
| Dimensions | Φ 173mm × 268mm (Φ6.8 inch × 10.55 inch) |
| Net Weight | Approx. 2.1Kg (4.63 lb.) |
| Certification | IP66, IK10(excluding glass window, customize IK10 glass per request), ROHS, CE, FC, UKCA, KC |

Ordering information

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|---------|--|
| AM-PX02 | 2MP 25X Starlight IR 300m Network PoE Smart-tracking 4inch PTZ Camera, IP66, -40°C~65°C, DC12V/PoE+, not include power adaptor and bracket |
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Dimensions:

