



## 4MP PTZ Network Camera

Panasonic PTZ camera is equipped with high quality Back-side illumination (BSI) and Near-field Infrared (NIR) sensors, capable of generating high quality images. Supporting up to 25x optical zoom lens, could deliver top-notch 2560x1440@30fps image details over a large area.

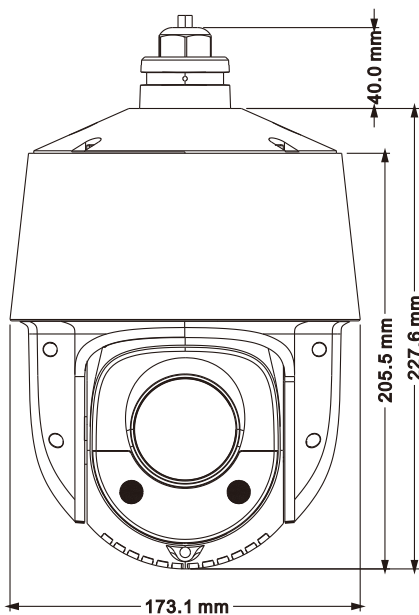
The H.265 video compression reduces bit rate down to 50% of H.264 without loss. With its built-in Advanced Intelligence, the PTZ camera could detect and classify up to 15 objects per scene. When any of them intrude restricted area, the PTZ camera will trace, zoom fit in centre of screen, snap and record and trigger alert. The IR brightness is enhanced 200%, which improves night vision distance above 160m.

The PTZ camera has enhanced body material, built-in turbo fan and heater and is designed for 24/7 work in outdoor weather. This series has also added alarm and audio interface.

## Key Features

- BSI+NIR progressive scan CMOS
- Up to 2560x1440 resolution
- Mini illumination:  
Color: 0.01 lux @ (F1.65 AGC ON)  
0 Lux with IR
- 25x optical zoom, Accurate and fast focusing
- WDR, 3D DNR, Smart IR 160m
- Smart H.265+/H.265/H.264+/H.264
- Advanced Intelligence
- Smart tracking of human/vehicle
- Smart detection and perimeter protection
- ONVIF, API and SDK
- PoE+ or DC12V
- IP67, -40°C~60°C, ADC12 & PC/GF

## Appearance



# Accessories

## Mount Bracket

### Included



PM-YZJ0808-W  
Wall mount bracket

### Optional:



PM-YZJ701E-W  
In-ceiling mount bracket



PM-YZJ0807-W  
Ceiling mount bracket,



PM-YZJ0311-W  
Wall mount bracket  
with junction box



PM-YZJ0312-W  
Pole mount bracket  
with junction box



PM-YZJ0313-W  
Corner mount bracket  
with junction box

# Specifications

| Camera Module              |                                                                                         |                  |                   |                    |                   |
|----------------------------|-----------------------------------------------------------------------------------------|------------------|-------------------|--------------------|-------------------|
| Image Sensor               | 1/2.7" progressive scan CMOS, BSI, NIR+                                                 |                  |                   |                    |                   |
| 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, etc. adjusted by client |                  |                   |                    |                   |
| Shutter Speed              | 50Hz:1/25s~1/25,000s; 60Hz:1/30s~1/30,000s                                              |                  |                   |                    |                   |
| White Balance              | Auto/Manual/Indoor/Outdoor                                                              |                  |                   |                    |                   |
| Gain Control               | Auto/Manual                                                                             |                  |                   |                    |                   |
| Day & Night control        | Auto/Manual ,time schedule                                                              |                  |                   |                    |                   |
| Iris Control               | Auto/Manual                                                                             |                  |                   |                    |                   |
| SNR                        | ≥52dB                                                                                   |                  |                   |                    |                   |
| 3D Digital Noise Reduction | Auto/Manual                                                                             |                  |                   |                    |                   |
| AE Enhancement             | Back Light Compensation (BLC), High Light Compensation (HLC), Wide Dynamic range (WDR)  |                  |                   |                    |                   |
| Privacy Mask               | 4 areas, up to 8 per request                                                            |                  |                   |                    |                   |
| Picture Overlay            | Logo picture could be overlaid on video with 128x128pixels,24bits BMP 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°±5%; Vertical: 33°~1.4°±5%; Diagonal: 61.5°~2.8°±5% (wide-tele)     |                  |                   |                    |                   |
| Working Distance           | Wide:1.0m~INF; tele:1.5m~INF                                                            |                  |                   |                    |                   |
| Aperture Range             | F1.65~F3.8 (wide-tele)                                                                  |                  |                   |                    |                   |
| Iris Type                  | DC-IRIS, 16 Stops                                                                       |                  |                   |                    |                   |
| IR Cut Type                | Removable IRCut filter                                                                  |                  |                   |                    |                   |
| DORI Distance              | Focus length                                                                            | Detect(25px/m)   | Observe(63px/m)   | Recognize(125px/m) | Identify(250px/m) |
|                            | f=4.8mm                                                                                 | 96m(315 f.t.)    | 38m(124.7 f.t.)   | 19.2m(63 f.t.)     | 9.6m(31.5 f.t.)   |
|                            | f=120mm                                                                                 | 2200m(7218 f.t.) | 873m(2864.3 f.t.) | 440m(1443.6 f.t.)  | 220m(721.8 f.t.)  |
| PTZ                        |                                                                                         |                  |                   |                    |                   |
| Pan Range                  | 360°endless                                                                             |                  |                   |                    |                   |
| Pan Speed                  | Configurable, from 0.1~200°/s; Preset speed: 240°/s                                     |                  |                   |                    |                   |
| Tilt Range                 | From-10° to 90°,auto flip                                                               |                  |                   |                    |                   |
| Tilt Speed                 | Configurable, from 0.1°~ 200°/s, Preset speed: 240°/s                                   |                  |                   |                    |                   |
| 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                                                                                                                                       |
| <b>IR</b>                 |                                                                                                                                                                                                      |
| IR Distance               | 160m(525 f.t.), dual stack IR LED Array                                                                                                                                                              |
| Smart IR                  | Yes                                                                                                                                                                                                  |
| <b>Network</b>            |                                                                                                                                                                                                      |
| Max Resolution            | 2560x1440                                                                                                                                                                                            |
| Main Stream               | 50Hz: 25fps: 2560×1440,1920×1080,1280×960,1280×720; 60Hz: 30fps: 2560×1440,1920×1080,1280×960,1280×720                                                                                               |
| Sub Stream                | 50Hz: 25fps: (704×576, 640×480, 352×288); 60Hz: 30fps (704×480, 640×480, 352×240)                                                                                                                    |
| Third Stream              | 50Hz:25fps (1920×1080, 1280×960, 1280×720, 704×576, 640×480, 352×288)<br>60Hz:30fps (1920×1080, 1280×960, 1280×720, 704×480, 640×480, 352×240)                                                       |
| 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 8Mbps                                                                                                                                                                                      |
| Audio Compression         | G.711 A/U                                                                                                                                                                                            |
| Audio Bit Rate            | 64K bps                                                                                                                                                                                              |
| Protocols                 | HTTP, HTTPS, IPv4/IPv6, 802.1x, QoS, FTP, SMTP, UPnP, SNMP v1/v2/v3, DNS, DDNS, NTP, RTSP, RTCP, TCP/IP, UDP, 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)                                                                                     |
| Face recognize            | Default off, Detecting max 15 faces at same scene. Detecting, tracking, capturing                                                                                                                    |
| Road traffic              | Vehicle detecting and tracking                                                                                                                                                                       |
| Smart Detection           | Tripwire, Bi-directional tripwire, Illegal intrusion detection, Region entrance detection, Region exiting detection, etc. More VCA per request                                                       |
| Smart Tracking            | Smart tracking of human or vehicle, auto/manual                                                                                                                                                      |
| <b>System Integration</b> |                                                                                                                                                                                                      |
| Alarm Interface           | 1 Alarm input(Dry contact); 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, Upload to FTP/Memory Card, Send Email, etc.                                                               |
| Network Interface         | 1 RJ45 10M/100M Adaptive Ethernet ,Support PoE+                                                                                                                                                      |
| SD Card Slot              | One Micro SD slot, up to 256G                                                                                                                                                                        |
| Reset Button              | Yes                                                                                                                                                                                                  |
| Heater                    | Yes                                                                                                                                                                                                  |
| Fan                       | Yes                                                                                                                                                                                                  |
| Water Removal             | Remove water-drops by quick spinning, blow hot air to glass to remove frost, ice                                                                                                                     |
| Web Browser               | IE8 - IE11                                                                                                                                                                                           |
| <b>General</b>            |                                                                                                                                                                                                      |
| Power Supply              | DC12V±25%, 3000mA, PoE+ (802.3.at), max 23W include IR ON+PTZ working                                                                                                                                |
| Working Condition         | -40°C~60°C(-40°F~140°F), Cold start at - 30°C(30minutes waiting); 90%RH                                                                                                                              |
| Storage Condition         | -40°C~70°C ; ≤ 95% RH                                                                                                                                                                                |
| Protection                | Weather Protection: IP67 Protection from dust and water, 6000V Lightning Protection<br>Vandal Protection: IK10 protection for Vandal resistance<br>Surge Protection and Voltage Transient Protection |
| Material                  | Aluminum Alloy + Plastic/GF15%                                                                                                                                                                       |
| Dimensions                | Φ 173mm×268mm (Φ6.8 inch × 10.55 inch)                                                                                                                                                               |
| Net Weight                | Approx. 2.1 Kg (4.63 lb.)                                                                                                                                                                            |
| Certification             | EMC: CE/EN55032:2015+A11:2020EN55035:2017+A11:2020<br>Safety: IEC62368-1:2020+A11:2020<br>RoHS: 2011/65/EU                                                                                           |