

# Panasonic

PM-PX6NKBN-W

## 6MP Box IP Camera

Panasonic Cameras are developed to deliver high-performance security solutions, safeguarding homes, shops, and offices with advanced technology and reliable surveillance. Integrated with intelligent analytics, the cameras can automatically detect and respond to specific security events such as line crossing, abandoned or missing objects, and more. These proactive features provide real-time alerts enhancing security and offering users greater peace of mind. The built-in Region of Interest (ROI) functionality allows users to prioritize Critical zones within the camera's field of view.



**NDAA**  
COMPLIANT

**H.265+ H.264**  
**H.265 JPEG**



**SECURE**  
SSL ENCRYPTION

**IP67**



### Key Features

- 6MP Box network camera
- 120dB Wide Dynamic Range
- Color Night Vision: Color: 0.008 lux@F1.6, AGC ON
- Advanced encryption and access control
- NDAA

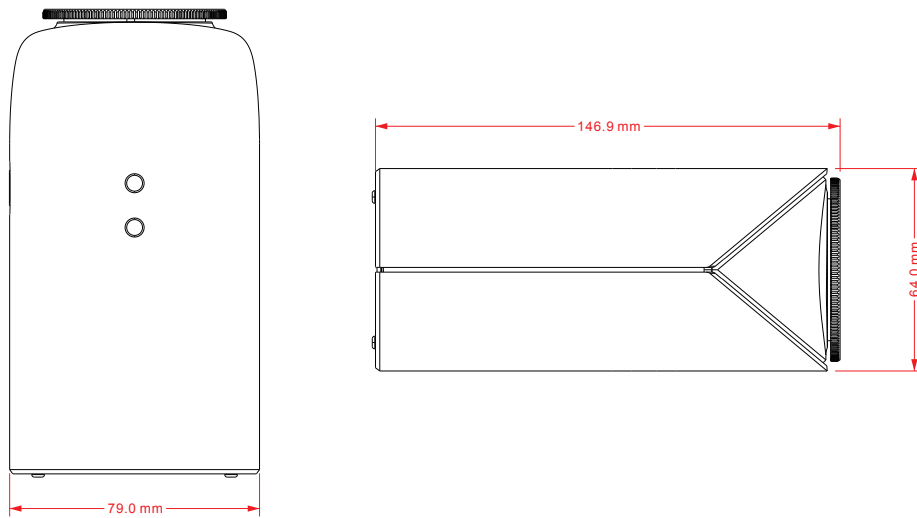
# Specifications

| CAMERA                        |                                                                                                                                                                                       |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type                          | 6MP Box Network Camera                                                                                                                                                                |
| Image Sensor                  | 1/2.5" CMOS                                                                                                                                                                           |
| Max Resolution                | 6MP (3296×1856)                                                                                                                                                                       |
| Electronic Shutter            | 1/4 ~1/100000s                                                                                                                                                                        |
| Min. Illumination             | Color: 0.008 lux@F1.6, AGC ON<br>B&W: 0.002 lux@F1.6, AGC ON<br>No IR                                                                                                                 |
| IR Distance / Light Range     | No                                                                                                                                                                                    |
| LENS                          |                                                                                                                                                                                       |
| Focal length                  | *Lens Not Included                                                                                                                                                                    |
| Focus                         | -                                                                                                                                                                                     |
| Iris Type                     | DC AUTO                                                                                                                                                                               |
| Optical zoom                  | -                                                                                                                                                                                     |
| Lens Mount                    | CS                                                                                                                                                                                    |
| Angular Field of View         | -                                                                                                                                                                                     |
| Day & Night                   | ICR                                                                                                                                                                                   |
| IMAGE                         |                                                                                                                                                                                       |
| Video Compression             | Mainstream: H.265+/H.265/H.264+/H.264<br>Sub/third stream: H.265+/H.265/H.264+/H.264/MJPEG                                                                                            |
| Supported Resolution          | 6MP (3296×1856)<br>6MP (3200×1800)<br>5MP (2880×11624)<br>4MP (2688×1520)<br>1080P (1920×1080)<br>720P (1280×720)<br>D1(704×480)<br>640×480<br>480×240<br>CIF(352×288)                |
| Number of Supported Stream    | 3                                                                                                                                                                                     |
| Mainstream                    | 60Hz: 6MP/5MP/4MP/1080P (1~30fps)<br>50Hz: 6MP/5MP/4MP/1080P (1~25fps)                                                                                                                |
| Sub Stream                    | 60Hz: 720P/D1/640×480/480×240/CIF (1~30fps)<br>50Hz: 720P/D1/640×480/480×240/CIF (1~25fps)                                                                                            |
| Third Stream                  | 60Hz: D1/480×240/CIF (1~30fps)<br>50Hz: D1/480×240/CIF (1~25fps)                                                                                                                      |
| Bit Rate                      | 64Kbps~10Mbps                                                                                                                                                                         |
| Bit Rate Type                 | VBR/CBR                                                                                                                                                                               |
| Image Settings                | ROI<br>Saturation<br>Brightness<br>Hue<br>Contrast<br>Wide Dynamic<br>Sharpness<br>Image Mirror<br>Defog<br>Image Flip<br>NR<br>etc.adjustable through client software or web browser |
| Audio Compression             | G711A/U                                                                                                                                                                               |
| Region Of Interest            | Each ROI to be configured separately                                                                                                                                                  |
| OPERATIONAL                   |                                                                                                                                                                                       |
| Wide Dynamic Range(WDR)       | 120dB                                                                                                                                                                                 |
| Back Light Compensation (BLC) | Yes                                                                                                                                                                                   |
| High Light Compensation (HLC) | Yes                                                                                                                                                                                   |
| Defog                         |                                                                                                                                                                                       |
| Digital Noise Reduction (DNR) | Yes                                                                                                                                                                                   |
| S/N ratio                     | ≥ 50dB                                                                                                                                                                                |
| Angle Adjustment              | -                                                                                                                                                                                     |
| INTERFACES                    |                                                                                                                                                                                       |
| Network                       | RJ 45 10M/100M self-adaptive Ethernet port                                                                                                                                            |
| Video                         | CVBS output (BNC x1)                                                                                                                                                                  |
| Audio                         | 1CH audio input<br>1CH audio output<br>1CH built-in microphone                                                                                                                        |
| Storage                       | Built-in micro SD card slot, up to 256GB                                                                                                                                              |
| Alarm                         | 2CH alarm input<br>2CH alarm output                                                                                                                                                   |
| RS485                         | Yes                                                                                                                                                                                   |

# Specifications

| DORI DISTANCE                                           |                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lens                                                    | -                                                                                                                                                                                                                                                                                  |
| Detect                                                  | -                                                                                                                                                                                                                                                                                  |
| Observe                                                 | -                                                                                                                                                                                                                                                                                  |
| Recognize                                               | -                                                                                                                                                                                                                                                                                  |
| Identify                                                | -                                                                                                                                                                                                                                                                                  |
| INTELLIGENT ANALYTICS                                   |                                                                                                                                                                                                                                                                                    |
| Statistics                                              | Yes, with NVR or SD Card                                                                                                                                                                                                                                                           |
| Audio Exception Detection                               |                                                                                                                                                                                                                                                                                    |
| Face Detection                                          | Yes                                                                                                                                                                                                                                                                                |
| Face Recognition and Matching                           | Yes, with NVR                                                                                                                                                                                                                                                                      |
| Video Metadata(Human/Vehicle Attributes / Two Wheelers) | Yes, with NVR                                                                                                                                                                                                                                                                      |
| OTHER ANALYTICS                                         |                                                                                                                                                                                                                                                                                    |
| Motion Detection                                        | -                                                                                                                                                                                                                                                                                  |
| Smart Alarm                                             | Motion detection<br>SMD<br>SD card full, SD card error<br>IP address conflict<br>Cable disconnection<br>Video exception (scene change, video blur and abnormal color detection)                                                                                                    |
| Smart Event                                             | Line crossing<br>region intrusion<br>entrance/exiting detection (human/motor vehicle/non-motor vehicle classification)<br>abandoned/missing object detection<br>loitering detection<br>illegal parking detection<br>target counting by line<br>target counting by area<br>heat map |
| FUNCTIONS                                               |                                                                                                                                                                                                                                                                                    |
| Remote Monitoring                                       | Web browser<br>NVR<br>Panasonic VMS 2.X<br>Mobile APP                                                                                                                                                                                                                              |
| Web Browser                                             | Chrome 89.0+<br>Edge 89.0+<br>Firefox 87.0+<br>Safari 14.0+                                                                                                                                                                                                                        |
| Online Connection                                       | Support simultaneous monitoring for up to 10 users<br>Support multi-stream real time transmission                                                                                                                                                                                  |
| Network Protocol                                        | UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, PPPoE, DDNS<br>SMTP, FTP, 802.1x, SNMP, UPnP, RTMP, HTTP, HTTPS<br>HTTP POST, P2P, QoS                                                                                                                                                |
| Interface Protocol                                      | ONVIF Profile S/G/M/T                                                                                                                                                                                                                                                              |
| Other Functions                                         | Watermark<br>IP Address Filtering<br>Video Mask<br>Heartbeat<br>Smart Supplement Light<br>Corridor Pattern<br>ANR<br>Cloud Upgrade                                                                                                                                                 |
| Security                                                | Video encryption<br>Firmware encryption<br>Configuration encryption<br>Illegal login lock<br>IP address filtering<br>802.1x authentication<br>Basic and digest authentication for HTTP/RTSP<br>NDAA                                                                                |
| GENERAL                                                 |                                                                                                                                                                                                                                                                                    |
| Power Supply                                            | AC24V / DC12V / PoE                                                                                                                                                                                                                                                                |
| PoE                                                     | Yes, IEEE802.3af                                                                                                                                                                                                                                                                   |
| Power Consumption                                       | <6.5W                                                                                                                                                                                                                                                                              |
| Weather Protection                                      | No                                                                                                                                                                                                                                                                                 |
| Operating Environment                                   | -30°C~60°C (-22°F~140°F)<br>Humidity: less than 95% (non-condensing)                                                                                                                                                                                                               |
| Storage Environment                                     | -30°C~65°C (-22°F~149°F)<br>Humidity: less than 95% (non-condensing)                                                                                                                                                                                                               |
| Dimensions (mm)                                         | 160.8×79×64                                                                                                                                                                                                                                                                        |
| Weight (net)                                            | Approx. 0.5KG                                                                                                                                                                                                                                                                      |
| Installation                                            | Ceiling mounting<br>Wall mounting                                                                                                                                                                                                                                                  |
| Certificate                                             | EMC: EN 55032:2015+A11:2020 EN 55035:2017+A11:2020<br>Safety: EN IEC 62368-1:2020+A11:2020<br>RoHS: 2011/65/EU                                                                                                                                                                     |

## Appearance



## Optional Accessories

### Mount Bracket



#### **PM-YZJ0105-W**

Wall mount bracket,  
Box camera

#### **Disclaimer:**

Panasonic accepts no responsibility or liability for the performance of the network, nor for any third-party products used in conjunction with this system. Product dimensions and masses are approximate. Specifications are subject to change without notice.