



**PM-VB4ULFT-W**

## 4MP Fixed Bullet True Colour IP Camera

Panasonic's latest AI-powered security cameras deliver twice the computing power compared to conventional models, unlocking superior performance across surveillance and image processing. At the heart of this innovation is the AI-ISP (Image Signal Processor), which dramatically enhances picture quality through advanced real-time optimization. Combined with an ultra-large F1.0 aperture and a stacked large-format CMOS sensor, the camera excels in capturing vivid, full-color images - even in near-total darkness, down to 0.0001 Lux. These cameras are engineered for intelligent efficiencies.



**NDAA**  
COMPLIANT

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



**SECURE**  
SSL ENCRYPTION

**IP67**

### Key Features

- 4MP Fixed bullet true colour Network camera
- 120dB Wide Dynamic Range
- Color Night Vision: Color: 0.0001 lux @F1.0, AGC ON
- 20~30m white light view distance
- IP67 protection from dust and water
- Advanced encryption and access control
- NDAA

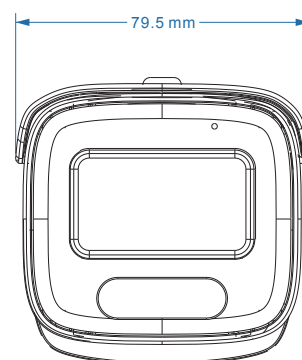
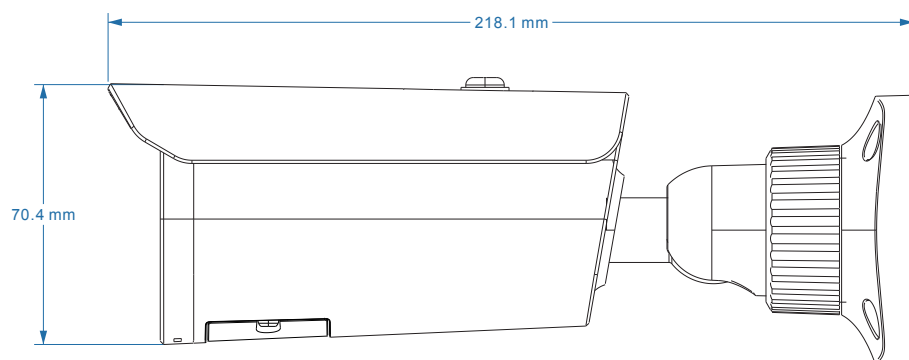
# Specifications

| CAMERA                        |                                                                                                                                                                              |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type                          | 4MP Fixed Bullet True Colour Network Camera                                                                                                                                  |
| Image Sensor                  | 1/1.79" CMOS                                                                                                                                                                 |
| Max Resolution                | 4MP (2688×1520)                                                                                                                                                              |
| Electronic Shutter            | 1/3s ~ 1/100000s                                                                                                                                                             |
| Min. Illumination             | Color: 0.0001 lux @F1.0, AGC ON                                                                                                                                              |
| IR Distance / Light Range     | 20~30m white light view distance                                                                                                                                             |
| LENS                          |                                                                                                                                                                              |
| Focal length                  | 2.8mm@F1.0                                                                                                                                                                   |
| Focus                         | Fixed                                                                                                                                                                        |
| Iris Type                     | Fixed Iris                                                                                                                                                                   |
| Optical zoom                  |                                                                                                                                                                              |
| Lens Mount                    | M12                                                                                                                                                                          |
| Angular Field of View         | H.FoV: 112°<br>V.FoV: 61°<br>D.FoV: 132°                                                                                                                                     |
| Day & Night                   | -                                                                                                                                                                            |
| 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          | 4MP (2688×1520)<br>2K (2560×1440)<br>1080P (1920×1080)<br>720P (1280×720)<br>D1(704×480)<br>VGA (640×480)<br>640×360<br>480×240<br>CIF(352×288)                              |
| Number of Supported Stream    | 3                                                                                                                                                                            |
| Mainstream                    | 60Hz: 4MP/2K/1080P (1~30fps)<br>50Hz: 4MP/2K/1080P (1~25fps)                                                                                                                 |
| Sub Stream                    | 60Hz: 720P/D1/640x360/VGA/CIF/480×240 (1~30fps)<br>50Hz: 720P/D1/640x360/VGA/CIF/480×240 (1~25fps)                                                                           |
| Third Stream                  | 60Hz: 720P/D1/640x360/VGA/CIF/480×240 (1~30fps)<br>50Hz: 720P/D1/640x360/VGA/CIF/480×240 (1~25fps)                                                                           |
| Bit Rate                      | 32Kbps~8Mbps                                                                                                                                                                 |
| 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>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)       | Digital WDR                                                                                                                                                                  |
| Back Light Compensation (BLC) | Yes                                                                                                                                                                          |
| High Light Compensation (HLC) | Yes                                                                                                                                                                          |
| Defog                         | -                                                                                                                                                                            |
| Digital Noise Reduction (DNR) | Yes                                                                                                                                                                          |
| S/N ratio                     | ≥50dB                                                                                                                                                                        |
| Angle Adjustment              | Pan: 0°~360°<br>Tilt: 0°~90°<br>Rotation: 0°~360°                                                                                                                            |
| INTERFACES                    |                                                                                                                                                                              |
| Network                       | RJ 45 10M/100M self-adaptive Ethernet port                                                                                                                                   |
| Video                         | -                                                                                                                                                                            |
| Audio                         | 1CH audio input<br>1CH built-in MIC                                                                                                                                          |
| Storage                       | Built-in micro SD card slot, up to 512GB                                                                                                                                     |
| Alarm                         | -                                                                                                                                                                            |
| RS485                         | -                                                                                                                                                                            |

# Specifications

| DORI DISTANCE                                           |                                                                                                                                                                                                     |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lens                                                    | 2.8mm                                                                                                                                                                                               |
| Detect                                                  | 57m(187ft)                                                                                                                                                                                          |
| Observe                                                 | 23m(75ft)                                                                                                                                                                                           |
| Recognize                                               | 11m(36ft)                                                                                                                                                                                           |
| Identify                                                | 6m(20ft)                                                                                                                                                                                            |
| INTELLIGENT ANALYTICS                                   |                                                                                                                                                                                                     |
| Statistics                                              | -                                                                                                                                                                                                   |
| Audio Exception Detection                               | Yes                                                                                                                                                                                                 |
| Face Detection                                          | Yes                                                                                                                                                                                                 |
| Face Recognition and Matching                           |                                                                                                                                                                                                     |
| Video Metadata(Human/Vehicle Attributes / Two Wheelers) |                                                                                                                                                                                                     |
| OTHER ANALYTICS                                         |                                                                                                                                                                                                     |
| Motion Detection                                        | -                                                                                                                                                                                                   |
| Smart Alarm                                             | Motion detection<br>SMD<br>SD card full, SD card error<br>IP address conflict<br>Network disconnection<br>Video exception (scene change, video blur and abnormal 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>Target counting by line              |
| 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, RTMP, FTP<br>PPPoE, DDNS, SMTP, SNMP, HTTP, 802.1x, UPnP, HTTPS<br>HTTP POST, P2P, QoS                                                                 |
| Interface Protocol                                      | ONVIF Profile S/G/M/T                                                                                                                                                                               |
| Other Functions                                         | Watermark<br>Video Mask<br>Heartbeat<br>Image Distortion Correction<br>Corridor Pattern<br>ANR<br>Cloud Upgrade<br>Disarming                                                                        |
| 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                                            | DC12V/PoE                                                                                                                                                                                           |
| PoE                                                     | Yes , IEEE802.3af                                                                                                                                                                                   |
| Power Consumption                                       | < 6.5W                                                                                                                                                                                              |
| Weather Protection                                      | IP67 protection from dust and water                                                                                                                                                                 |
| 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)                                         | 218.1x72.9x 73.1                                                                                                                                                                                    |
| Weight (net)                                            | Approx. 0.64KG                                                                                                                                                                                      |
| 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

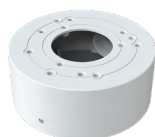


## Optional Accesories

### Mount Bracket



**PM-YH0103-W**  
Junction box



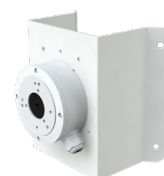
**PM-YH0104-W**  
Junction box



**PM-YH0301-W**  
Junction box



**PM-YH0301-W+**  
**PM-YZJ0501-W**  
Pole Mount  
Bracket



**PM-YH0301-W+**  
**PM-YZJ0601-W**  
Corner Mount  
Bracket



**PM-YH0301-W+**  
**PM-YZJ0810-W**  
Ceiling Mount  
Bracket

### 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.