

# PRO SERIES VVIP-4M-5-POE-PRO-U

4MP Cable-free WDR IR Dome Network Camera



## Key Features

- Day/night functionality
- Smart IR, up to 30m (98ft) IR distance
- IR anti-reflection window to increase the infrared transmittance
- 2D/3D DNR (Digital Noise Reduction)
- Ultra 265, H.265, H.264, MJPEG
- Triple streams
- ONVIF Conformance
- Wide temperature range: -35°C ~ 60°C (-31°F ~ 140°F)
- Wide voltage range of  $\pm 25\%$
- IK10 vandal resistant
- Cable-free
- 3-Axis

| CAMERA                  |                                                                                                                                                                                                                           |            |                |                   |              |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------|-------------------|--------------|
| Sensor                  | 1/3", 4.0 megapixel, progressive scan, CMOS                                                                                                                                                                               |            |                |                   |              |
| Lens                    | 2.8 ~ 12mm, AF automatic focusing and motorized zoom lens                                                                                                                                                                 |            |                |                   |              |
| DORI Distance           | Lens (mm)                                                                                                                                                                                                                 | Detect (m) | Observe (m)    | Recognize (m)     | Identify (m) |
|                         | 2.8                                                                                                                                                                                                                       | 63.0       | 25.2           | 12.6              | 6.3          |
|                         | 12                                                                                                                                                                                                                        | 270.0      | 108.0          | 54.0              | 27.0         |
| Angle of View (H)       | 98.26°~ 31.35°                                                                                                                                                                                                            |            |                |                   |              |
| Angle of View (V)       | 54.76°~ 18.55°                                                                                                                                                                                                            |            |                |                   |              |
| Angle of View (O)       | 127.74°~36.99°                                                                                                                                                                                                            |            |                |                   |              |
| Wide Dynamic Range      | Pan: 0° ~ 360°                                                                                                                                                                                                            |            | Tilt: 0° ~ 70° | Rotate: 0° ~ 360° |              |
| Shutter                 | Auto/Manual, 1 ~ 1/100000s                                                                                                                                                                                                |            |                |                   |              |
| Minimum Illumination    | Color: 0.003 Lux (F1.6, AGC ON)<br>0 Lux with IR                                                                                                                                                                          |            |                |                   |              |
| Day/Night               | IR-cut filter with auto switch (ICR)                                                                                                                                                                                      |            |                |                   |              |
| Digital noise reduction | 2D/3D DNR                                                                                                                                                                                                                 |            |                |                   |              |
| S/N                     | >56dB                                                                                                                                                                                                                     |            |                |                   |              |
| IR Range                | Up to 30m (98ft) IR range                                                                                                                                                                                                 |            |                |                   |              |
| Wavelength              | 850nm                                                                                                                                                                                                                     |            |                |                   |              |
| IR On/Off Control       | Auto/Manual                                                                                                                                                                                                               |            |                |                   |              |
| Defog                   | Digital Defog                                                                                                                                                                                                             |            |                |                   |              |
| WDR                     | 120dB                                                                                                                                                                                                                     |            |                |                   |              |
| VIDEO                   |                                                                                                                                                                                                                           |            |                |                   |              |
| Video Compression       | Ultra 265, H.265, H.264, MJPEG                                                                                                                                                                                            |            |                |                   |              |
| H.264 code profile      | Baseline profile, Main Profile                                                                                                                                                                                            |            |                |                   |              |
| Frame Rate              | Main Stream: 4MP (2688 x 1520), Max 30fps; 4MP (2560 x 1440), Max 30fps; 3MP (2304 x 1296), Max 30fps;1080P(1920 x 1080),Max30fps<br>Sub Stream: 4CIF (704 x 576), Max 30fps;<br>Third Stream: CIF (352 x 288), Max 30fps |            |                |                   |              |
| Video Bit Rate          | 128 Kbps~16 Mbps                                                                                                                                                                                                          |            |                |                   |              |
| OSD                     | Up to 4 OSDs                                                                                                                                                                                                              |            |                |                   |              |
| Privacy Mask            | Up to 4 areas                                                                                                                                                                                                             |            |                |                   |              |
| ROI                     | Up to 2 areas                                                                                                                                                                                                             |            |                |                   |              |
| Motion Detection        | Up to 4 areas                                                                                                                                                                                                             |            |                |                   |              |

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| IMAGE                   |                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------|
| White Balance           | Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto                                                            |
| Digital Noise Reduction | 2D/3D DNR                                                                                                 |
| Smart IR                | Support                                                                                                   |
| Flip                    | Normal/Vertical/Horizontal/180°                                                                           |
| Dewarping               | NA                                                                                                        |
| HLC                     | Supported                                                                                                 |
| BLC                     | Supported                                                                                                 |
| AUDIO                   |                                                                                                           |
| Audio Compression       | G.711                                                                                                     |
| Suppression             | Supported                                                                                                 |
| Sampling Rate           | 8KHZ                                                                                                      |
| STORAGE                 |                                                                                                           |
| Edge Storage            | Micro SD, up to 256GB                                                                                     |
| Network Storage         | ANR                                                                                                       |
| NETWORK                 |                                                                                                           |
| Protocols               | IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SSL |
| Compatible Integration  | ONVIF (Profile S, Profile G, Profile T), API                                                              |
| Client                  | EZStation<br>EZView<br>EZLive                                                                             |
| Web Browser             | Plug-in required live view: IE9+, Chrome 41 and below, Firefox 52 and below                               |
|                         | Plug-in free live view: Chrome 57.0+, Firefox 58.0+, Edge 16+, Safari 11+                                 |
| INTERFACE               |                                                                                                           |
| Audio I/O               | Input: impedance 35kΩ; amplitude 2V [p-p]                                                                 |
|                         | Output: impedance 600Ω; amplitude 2V [p-p]                                                                |
| Alarm I/O               | 1/1                                                                                                       |
| Network                 | 10M/100M Base-TX Ethernet                                                                                 |
| CERTIFICATIONS          |                                                                                                           |
| Certifications          | CE: EN 60950-1<br>FCC: FCC Part 15                                                                        |

| GENERAL             |                                                                     |
|---------------------|---------------------------------------------------------------------|
| Power               | DC 12V±25%, PoE (IEEE 802.3af)                                      |
|                     | Power consumption: Max 8.7W                                         |
| Dimensions (Ø x H)  | 128.1mm x 99.9mm (Ø5.04" x 3.93")                                   |
| Net Weight          | 0.57kg (1.26lb)                                                     |
| Material            | Metal + Plastic                                                     |
| Working Environment | -35°C ~ 60°C (-31°F ~ 140°F),<br>Humidity: ≤95% RH (non-condensing) |
| Storage Environment | -35°C ~ 60°C (-31°F ~ 140°F),<br>Humidity: ≤95% RH (non-condensing) |
| Surge Protection    | 6KV                                                                 |
| Ingress Protection  | IP66                                                                |
| Vandal Resistant    | IK10                                                                |
| Reset Button        | Supported                                                           |

Dimensions

