



## VIS-P5PTZXIR2812NH

5 Megapixel IP Plug & Play, Outdoor PTZ, Motorized Auto-Focus, 2.8-12mm, 164' IR Range, WDR, White Light & Deterrent, Built-in Mic/Speaker, SD Card Slot, DC12V/PoE+

### Features

- True AI Human and Vehicle Classification for Line Crossing and Intrusion Detection
- White Light & Deterrent: AI Triggered
- 5 Megapixel Resolution
- Motorized Auto-Focus 2.8-12mm Lens
- True Day/Night with IR Range up to 164'
- Smart IRs
- Starlight Illumination
- Ultra 265,H.265,H.264, MJPEG
- True WDR 120dB
- Micro SD Slot: Up to 256GB
- Audio Input: Built-in Mic
- Audio Output: Built-in Speaker
- IP66 Weather Resistant
- 12VDC/PoE+ Operation
- ONVIF
- Cloud Upgradable
- Free iOS & Android Apps for Smart Phones & Tablets
- Vision CMS
- Free MAC Client
- NDAA Compliant

| Camera                     |  |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
|----------------------------|--|-------------|-------------|---------------|---------------|--------------|-------|------------|-------------|-------------|------------|------|-------------|-------------|------------|-----------|
| Sensor                     | 1/2.7" progressive scan, 5.0 megapixel, CMOS   |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| Lens                       | 2.8"~12mm, AF automatic focusing and motorized zoom lens   |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| DORI Distance              | <table border="1"> <thead> <tr> <th>Lens</th> <th>Detect(ft)</th> <th>Observe(ft)</th> <th>Recognize(ft)</th> <th>Identify(ft)</th> </tr> </thead> <tbody> <tr> <td>2.8mm</td> <td>206.7(63m)</td> <td>82.7(25.2m)</td> <td>41.3(12.6m)</td> <td>20.7(6.3m)</td> </tr> <tr> <td>12mm</td> <td>885.8(270m)</td> <td>354.3(108m)</td> <td>177.2(54m)</td> <td>88.6(27m)</td> </tr> </tbody> </table> | Lens        | Detect(ft)  | Observe(ft)   | Recognize(ft) | Identify(ft) | 2.8mm | 206.7(63m) | 82.7(25.2m) | 41.3(12.6m) | 20.7(6.3m) | 12mm | 885.8(270m) | 354.3(108m) | 177.2(54m) | 88.6(27m) |
|                            | Lens   | Detect(ft)  | Observe(ft) | Recognize(ft) | Identify(ft)  |              |       |            |             |             |            |      |             |             |            |           |
| 2.8mm                      | 206.7(63m)   | 82.7(25.2m) | 41.3(12.6m) | 20.7(6.3m)    |               |              |       |            |             |             |            |      |             |             |            |           |
| 12mm                       | 885.8(270m)  | 354.3(108m) | 177.2(54m)  | 88.6(27m)     |               |              |       |            |             |             |            |      |             |             |            |           |
| Angle of View (H)          | 30.6°~104.1°   |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| Angle of View (V)          | 17.4°~54.9°  |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| Angle of View (O)          | 34.4°~108.3°   |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| Shutter                    | Auto/Manual, shutter time: 1 s ~ 1/100000 s  |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| Minimum Illumination       | Colour: 0.003 lux (F1.6,AGC ON) 0 lux with IR  |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| Day/Night                  | IR-cut filter with auto switch (ICR)   |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| Digital noise reduction    | 2D/3D DNR  |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| S/N                        | >52 dB   |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| IR Range                   | UP to 164 ft (50m)   |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| Wavelength                 | 850nm  |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| IR On/Off Control          | Auto/Manual  |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| Warm Light Range           | UP to 33ft (10m)   |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| WDR                        | 120dB  |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| Video                      |  |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| Video Compression          | Ultra 265,H.265, H.264, MJPEG  |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| H.264 code profile         | Baseline profile, Main Profile   |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| Video Bit Rate             | 128 Kbps ~ 16 Mbps   |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| OSD                        | Up to 8 OSDs   |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| Frame Rate                 | Main Stream: 5MP (2880*1620), Max 30fps; 4MP (2560*1440), Max 25fps; 3MP (2304*1296), Max 25fps; 2MP (1920*1080), Max 30fps; Sub Stream: 720P (1280*720), Max 30fps; D1 (720*576), Max 30fps; 640*360, Max 30fps; 2CIF (704*288), Max 30fps; CIF (352*288), Max 30fps; Third Stream: D1 (720*576), Max 30fps; 640*360, Max 30fps; 2CIF (704*288), Max 30fps; CIF (352*288), Max 30fps;             |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| Privacy Mask               | Up to 8 areas  |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| ROI                        | Up to 8 areas  |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| Motion Detection           | Up to 4 areas  |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| Image                      |  |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| White Balance              | Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2  |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| Digital noise reduction    | 2D/3D DNR  |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| Smart IR                   | Support  |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| Flip                       | Normal/Vertical/Horizontal/180°/90°Clockwise/90°Anti-clockwise   |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| HLC                        | Supported  |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| BLC                        | Supported  |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| Intelligent                |  |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| Smart intrusion Prevention | Cross Line, Intrusion, Enter Area, Leave Area detection; Motion detection;   |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| Auto Tracking              | Supported (Human Detection only)   |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| Events                     |  |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |
| Basic Detection            | Motion detection, Tampering alarm, Audio Detection   |             |             |               |               |              |       |            |             |             |            |      |             |             |            |           |

|                        |  |
|------------------------|--|
| General Function       | Watermark, IP Address Filtering, Tampering Alarm, Access Policy, ARP Protection, RTSP Authentication, User Authentication      |
| Audio                  |  |
| Audio Compression      | G.711U, G.711A   |
| Two-way Audio          | Supported  |
| Suppression            | Supported  |
| Sampling Rate          | 8 KHZ  |
| Storage                |  |
| Edge Storage           | Micro SD, up to 256 GB   |
| Network Storage        | ANR, NAS (NFS)   |
| Network                |  |
| Protocols              | IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, SSL |
| Compatible Integration | ONVIF (Profile S, Profile G, Profile T), API   |
| Clients                | InVid Vision (Mobile App)  |
|                        | Vision Tools (IP Utility)<br>InVid CMS   |
| Web Browser            | Plug-in required live view: IE9+, Chrome 41 & below, Firefox 52 & below  |
|                        | Plug-in free live view: Chrome 57.0+, Firefox 58.0+, Edge 16+, Safari 11+  |
| Pan & Tilt             |  |
| Pan Range              | 0°~345°  |
| Pan Speed              | 0.1°/s ~ 50°/s Preset speed: 50°/s   |
| Tilt Range             | -10~110°   |
| Tilt Speed             | 0.1° ~ 40°/s Preset speed: 40°/s   |
| Number of Presets      | 256  |
| Patrol                 | Preset patrol, Route patrol  |
| Interface              |  |
| Network                | 1 RJ45 10M/100M Base-TX Ethernet   |
| Built-in Mic           | Supported  |
| Audio Sensitivity      | -32±3dB  |
| Built-in Speaker       | Supported  |
| Alarm Light            | Supported  |
| Certifications         |  |
| Certifications         | CE: EN 60950-1 UL: UL60950-1 FCC: FCC Part 15  |
| General                |  |
| Power                  | DC 12V±25%, PoE+ (IEEE802.3 at) Power consumption: Max 18 W  |
| Dimensions (Ø x H)     | Φ5.2" x 10.6" (Φ133mm*269.4mm)   |
| Net Weight             | 1.92lb (0.87 kg)   |
| Gross Weight           | 2.49lb (1.13 kg)   |
| Material               | Metal + Plastic  |
| Working Environment    | -4°F to 140°F (-20°C ~ 60°C), Humidity:≤95% RH(non-condensing)   |
| Storage Environment    | -4°F to 140°F (-20°C ~ 60°C), Humidity:≤95% RH(non-condensing)   |
| Surge Protection       | 4KV  |
| Ingress Protection     | IP66   |
| Reset Button           | Supported  |

### Ordering Information

**VIS-P5PTZXIR2812NH:** 2.8-12mm Auto-Focus Motorized

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