



## PAR-P4TXIRNH-AI

4 Megapixel IP Plug & Play, Outdoor Turret, True AI, Fixed Lens,  
Up to 98' IR Range, True WDR, Audio Input, Built-in Mic, PoE/12VDC

### Features

- True AI Human and Vehicle Classification for Line Crossing and Intrusion Detection
- 4 Megapixel Resolution
- Fixed Lens
- True Day/Night with IR Range up to 98'
- H.265+/H.265/H.264+/H.264
- 30 FPS Recording and Live
- True WDR 120dB
- SD Slot for Local Storage: Up to 256GB
- Audio Input: Built-in Mic
- IP67 Weatherproof
- 12VDC/PoE Operation
- ONVIF
- Supports Native Chrome/EDGE Use
- Free iOS & Android Apps for Smart Phones & Tablets
- Free Central Management Software (CMS)
- Free MAC Client
- NDAA Compliant

|                    |                                                                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Camera             | PAR-P4TXIRNH-AI                                                                                                                                              |
| Image Sensor       | 1/3 "CMOS                                                                                                                                                    |
| Image Size         | 2592 × 1520                                                                                                                                                  |
| Electronic Shutter | 1/3s ~ 1/100000 s                                                                                                                                            |
| Iris Type          | Fixed Iris                                                                                                                                                   |
| Min. Illumination  | 0.005 lux@F1.6, AGC ON; 0 lux with IR                                                                                                                        |
| Lens               | 2.8 mm@F1.6, Horizontal FoV: 95.3°; vertical FoV: 53.2°; diagonal FoV: 115.0°                                                                                |
| Focus              | Fixed                                                                                                                                                        |
| Lens Mount         | M12                                                                                                                                                          |
| Day & Night        | ICR                                                                                                                                                          |
| Wide Dynamic Range | 120dB                                                                                                                                                        |
| BLC                | Yes                                                                                                                                                          |
| HLC                | Yes                                                                                                                                                          |
| Defog              | Yes                                                                                                                                                          |
| Digital NR         | 3D DNR                                                                                                                                                       |
| Angle Adjustment   | Pan: 0° ~ 360°; Tilt: 0° ~ 75°; Rotation: 0° ~ 360°                                                                                                          |
| Image              |                                                                                                                                                              |
| Video Compression  | Main stream: H.265+ / H.265 / H.264+ / H.264<br>Sub stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG<br>Third stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG |

### Ordering Information

**PAR-P4TXIR28NH-AI:** 4 Megapixel Turret, 2.8mm, White Housing  
**PAR-P4TXIR28BNH-AI:** 4 Megapixel Turret, 2.8mm, Black Housing

|                                      |                                                                                                                                                           |                |                |               |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|---------------|
| H.264 Compression Standard           | Baseline Profile/Main Profile/High Profile                                                                                                                |                |                |               |
| Resolution                           | 4MP ( 2592 × 1520 ), 2K ( 2560 × 1440 ), 3MP ( 2304 × 1296 ), 1080P ( 1920 1080 ), 720P ( 1280 720 ), D1, CIF, 480 240                                    |                |                |               |
| Main Stream                          | 4MP/2K/3MP/1080P / 720P( 60Hz: 1 ~ 30fps; 50Hz: 1~25fps )<br>HFR mode: 1080P / 720P( 60Hz : 1 ~ 60fps; 50Hz: 1~50fps )                                    |                |                |               |
| Sub Stream                           | 720P/D1/CIF ( 60Hz : 1 ~ 30fps; 50Hz: 1~25fps )                                                                                                           |                |                |               |
| Third Stream                         | D1/CIF/480×240 ( 60Hz : 1 ~ 30fps; 50Hz: 1~25fps )                                                                                                        |                |                |               |
| Bit Rate                             | 64 Kbps ~ 8 Mbps                                                                                                                                          |                |                |               |
| Bit Rate Type                        | VBR / CBR                                                                                                                                                 |                |                |               |
| Audio Compression                    | G711A / U                                                                                                                                                 |                |                |               |
| Image Settings                       | ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Mirror, Image Flip, NR, etc. adjustable through client software or web browser |                |                |               |
| ROI                                  | Each ROI to be configured separately                                                                                                                      |                |                |               |
| Intelligent Analytics (Smart Events) |                                                                                                                                                           |                |                |               |
| Perimeter Protection                 | Line crossing, region entrance/exiting/intrusion (human/motor vehicle/non-motor vehicle classification)                                                   |                |                |               |
| Statistics                           | Target counting by line/area, heat map                                                                                                                    |                |                |               |
| Exception Detection                  | Scene change, video blur and video cast detection                                                                                                         |                |                |               |
| Face Detection                       | Face detection and face capture                                                                                                                           |                |                |               |
| Other Events                         | Abandoned/missing object detection                                                                                                                        |                |                |               |
| DORI Distance                        |                                                                                                                                                           |                |                |               |
| Lens                                 | Detect (ft)                                                                                                                                               | Observe (ft)   | Recognize (ft) | Identify (ft) |
| 2.8mm                                | 199.11 (60.69m)                                                                                                                                           | 79.65 (24.28m) | 39.82 (12.14m) | 19.91 (6.07m) |
| Interfaces                           |                                                                                                                                                           |                |                |               |
| Network                              | RJ45                                                                                                                                                      |                |                |               |
| Video Output                         | No                                                                                                                                                        |                |                |               |
| Audio                                | 1CH audio input; 1CH built-in MIC                                                                                                                         |                |                |               |
| Storage                              | Built-in micro SD card slot; up to 256GB                                                                                                                  |                |                |               |
| Reset                                | Yes                                                                                                                                                       |                |                |               |
| Alarm                                | No                                                                                                                                                        |                |                |               |
| Functions                            |                                                                                                                                                           |                |                |               |
| Remote Monitoring                    | Web Browser, Paramont DVR/NVR, Paramont CMS AI, Paramont CMS App                                                                                          |                |                |               |
| Web Browser                          | IE (plug-in required)/Google Chrome/Edge/Firefox/Safari                                                                                                   |                |                |               |
| 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, RTMP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, HTTP POST, 802.1x, UPnP, HTTPs, QoS                                |                |                |               |
| Interface Protocol                   | ONVIF Profile T                                                                                                                                           |                |                |               |
| Storage                              | Network remote storage; micro SD card storage                                                                                                             |                |                |               |
| Smart Alarm                          | Motion detection, SD card error, SD card full                                                                                                             |                |                |               |
| General Function                     | Watermark, IP address filtering, video mask, heartbeat, illegal login lock, image distortion correction, corridor pattern                                 |                |                |               |
| PoE                                  | Yes , IEEE802.3af                                                                                                                                         |                |                |               |
| IR Distance                          | Up to 98' (20 ~ 30 m)                                                                                                                                     |                |                |               |
| Ingress Protection                   | IP67                                                                                                                                                      |                |                |               |
| Others                               |                                                                                                                                                           |                |                |               |
| Power Supply                         | DC12V/PoE                                                                                                                                                 |                |                |               |
| Power Consumption                    | < 6.5W                                                                                                                                                    |                |                |               |
| Storage Conditions                   | -22°F ~ 149°F ( - 30 °C ~ 65°C), Humidity: less than 95 % (non-condensing)                                                                                |                |                |               |
| Operating Conditions                 | -22°F ~ 140°F ( - 30 °C ~ 60 °C), Humidity: less than 95 % (non-condensing)                                                                               |                |                |               |
| Dimensions                           | Φ 3.7 x 3.3in (Φ 94.6 × 82.8mm)                                                                                                                           |                |                |               |
| Weight ( net )                       | Approx. 1lb (0.46KG)                                                                                                                                      |                |                |               |
| Installation                         | Ceiling mounting; Wall mounting                                                                                                                           |                |                |               |
| Certifications                       | UL: E496771, CE, FCC                                                                                                                                      |                |                |               |
| Environmental Protection             | Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)                                                                           |                |                |               |

