



## PAR-P4DRIRA2812NH-AI

4 Megapixel IP Plug & Play, Outdoor Dome, True AI, Up to 164' IR Range, WDR, Audio Input/Output, Built-in Mic, PoE/12VDC

### Features

- True AI Human and Vehicle Classification for Line Crossing and Intrusion Detection
- 4 Megapixel Resolution
- Motorized Auto-Focus 2.8-12mm Lens
- True Day/Night with IR Range up to 164'
- H.265+, H.265, H.264+, H.264, MJPEG Compression
- 30 FPS Recording and Live
- True WDR 120dB
- CVBS Video Output
- Micro SD Slot: Up to 256GB
- Audio Input: Built-in Mic
- Audio Output
- IP67 Weatherproof
- IK10 Vandal Resistant
- 12VDC/PoE Operation
- ONVIF
- Free iOS & Android Apps for Smart Phones & Tablets
- Free Central Management Software (CMS)
- Free MAC Client

|                    |  |
|--------------------|--|
| Camera Module      |  |
| Image Size         | 1 / 3 "CMOS  |
| Image Sensor       | 2592 × 1520  |
| Electronic Shutter | 1/3s ~ 1 / 100000 s  |
| Iris Type          | DC Iris  |
| Min. Illumination  | 0.005 lux@F1.6, AGC ON; 0 lux with IR  |
| Lens               | 2.8~12mm@F1.3, motorized   |
| Field of View      | Horizontal:100.0° ~ 28.9°; Vertical:54.5° ~ 16.7°; Diagonal:104.8° ~ 33.1°   |
| Lens Mount         | Φ14  |
| Day & Night        | ICR  |
| Wide Dynamic Range | 120dB  |
| BLC                | Yes  |
| HLC                | Yes  |
| Defog              | Yes  |
| Digital NR         | 3D DNR   |
| Angle Adjustment   | Pan: 0°~345°; Tilt:0°~77°; Rotation: 0°~345°   |
| 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 |

|                                      |  |               |                |               |
|--------------------------------------|--|---------------|----------------|---------------|
| 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) |
| 2.8~12mm(W)                          | 193.3 (58.9m)  | 77.3 (23.6m)  | 38.6 (11.8m)   | 19.3 (5.9m)   |
| 2.8~12mm(T)                          | 675.8 (206m)   | 270.3 (82.4m) | 135.2 (41.2m)  | 67.6 (20.6m)  |
| Interfaces                           |  |               |                |               |
| Network                              | RJ45   |               |                |               |
| Audio                                | 1CH audio input; 1CH audio output; 1CH built-in MIC  |               |                |               |
| Video Output                         | CVBS output (BNC × 1)  |               |                |               |
| Storage                              | Built-in micro SD card slot; up to 256GB   |               |                |               |
| Reset                                | Yes  |               |                |               |
| Alarm                                | 1CH alarm input; 1CH alarm output  |               |                |               |
| Functions                            |  |               |                |               |
| Remote Monitoring                    | Web Browser/Paramont CMS AI TSS//NVR/Paramont CMS mobile APP   |               |                |               |
| Web Browser                          | IE (plug-in required)/Google Chrome/Edge/Firefox/Safari  |               |                |               |
| Online Connection                    | Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission  |               |                |               |
| Network Protocol                     | UDP, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, 802.1x, UPnP, HTTPs, HTTP POST, QoSIPv4, IPv6, RTP, RTMP, RTCP,                                  |               |                |               |
| Interface Protocol                   | ONVIF  |               |                |               |
| Storage                              | Network remote storage; micro SD card storage  |               |                |               |
| Smart Alarm                          | Motion detection, sensor detection, SD card error, SD card full, IP address conflict, cable disconnection  |               |                |               |
| 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 164 ft (30 ~ 50 m)   |               |                |               |
| Ingress Protection                   | IP67& IK10   |               |                |               |
| Others                               |  |               |                |               |
| Power Supply                         | DC12V/PoE  |               |                |               |
| Power Consumption                    | < 9W   |               |                |               |
| 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 5.6 × 3.9 in (Φ 141 × 100.2mm)   |               |                |               |
| Weight ( net )                       | Approx. 2.1lb (0.93KG)   |               |                |               |
| 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)  |               |                |               |

### Ordering Information

**PAR-P4DRIRA2812NH-AI**: 4MP Outdoor Dome, 2.8-12mm