



## PAR-P8BIRA2812NH-AI

8 Megapixel IP Plug & Play, Outdoor Bullet, Motorized Auto-Focus Lens, IR Range up to 229', WDR, Audio Input/Output, SD Card Slot, DC12V/PoE

### Features

- True AI Human and Vehicle Classification for Line Crossing and Intrusion Detection
- 8 Megapixel Resolution
- Motorized Auto-Focus 2.8-12mm Lens
- True Day/Night with IR Range up to 229'
- H.265+,H.265,H.264+,H.264,MJPEG Compression
- 30 FPS Recording and Live
- WDR
- Smart Analytics
- CVBS Video Output
- Micro SD Slot: Up to 256GB
- Audio Input
- Audio Output
- IP67 Weatherproof
- 12VDC/PoE Operation
- ONVIF
- Free iOS & Android Apps for Smart Phones & Tablets
- Free Central Management Software (CMS)
- Free MAC Client
- NDAA Compliant

|                    |   |
|--------------------|---|
| Camera             |   |
| Image Sensor       | 1 / 2.8" CMOS   |
| Image Size         | 3840 x 2160   |
| Electronic Shutter | 1 s ~ 1 / 100000 s  |
| Iris Type          | DC Iris   |
| Min. Illumination  | 0.01 lux @ F1.2, AGC ON; 0 lux with IR<br>0.015 lux@F1.4, AGC ON; 0 lux with IR |
| Lens               | 2.8~12mm@F1.4, motorized  |
| Field of View      | Horizontal: 96° ~ 32° ; Vertical: 64° ~ 18.4° ; Diagonal: 103.8° ~ 36.5°        |
| Lens Mount         | Ø14   |
| Day & Night        | ICR   |
| Wide Dynamic Range | 120dB   |
| BLC                | Yes   |
| HLC                | Yes   |
| Defog              | Yes   |
| Digital NR         | 3D DNR  |
| Angle Adjustment   | Pan: 0° ~ 360°; Tilt: 0° ~ 90°; 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                                 |
| H.264 Compression Standard           | Baseline Profile/Main Profile/High Profile   |
| Resolution                           | 8MP ( 3840 x 2160 ), 6MP( 3072 x 2048 ),5MP( 2592 x 1944),<br>4MP( 2592 x 1520 ), 2K ( 2560 x 1440 ), 3MP ( 2304 x 1296 ),<br>1080P ( 1920 x 1080 ), 720P ( 1280 x 720 ), D1, CIF, 480 x 240 |
| Main Stream                          | 60Hz : 8MP/6MP/5MP/4MP/2K/3MP/1080P/720P(1~30fps)<br>50Hz : 8MP/6MP/5MP/4MP/2K/3MP/1080P/720P(1~25fps)<br>HFR Mode: 1080P/720P(60Hz: 1~60fps; 50Hz: 1~50fps)                                 |
| Sub Stream                           | 1080P/720P/D1/480 x 240 (60Hz: 1~30fps; 50Hz: 1~25fps)   |
| Third Stream                         | 720P/D1/CIF/480 x 240 (60Hz: 1~30fps; 50Hz: 1~25fps)   |
| Bit Rate                             | 64 Kbps ~ 12 Mbps  |
| Bit Rate Type                        | VBR / CBR  |
| Audio Compression                    | G711A / U  |
| Image Settings                       | ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, NR, etc. adjustable through client software or web browser  |
| ROI                                  | Each ROI to be configured separately   |
| Intelligent Analytics (Smart Events) |  |
| Perimeter Protection                 | Line crossing, intrusion (human/motor vehicle/non-motor vehicle classification)  |
| Target Counting                      | Line crossing human/motor vehicle/non-motor vehicle counting   |
| Exception Detection                  | Scene change, video blur and video color cast detection  |
| Face Detection                       | Face detection and face capture  |
| Interfaces                           |  |
| Network                              | RJ45   |
| Video Output                         | CVBS output (BNC x 1)  |
| Audio                                | 1CH audio input, 1CH audio output  |
| Storage                              | Built-in micro SD card slot; up to 256GB   |
| Reset                                | Yes  |
| Alarm                                | 1CH alarm input; 1CH alarm output  |
| Functions                            |  |
| Remote Monitoring                    | Web browsing, CMS remote control   |
| 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, ICMP, IGMP, FTP, PPPoE, DDNS, SMTP,SNMP,HTTP, 802.1x, UPnP, HTTPs, QoS  |
| Interface Protocol                   | ONVIF  |
| Storage                              | Network remote storage; micro SD card storage  |
| Smart Alarm                          | Motion detection; sensor alarm, 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  |
| PoE                                  | Yes, IEEE802.3af   |
| IR Distance                          | 229 ft (50~70 m)   |
| Ingress Protection                   | IP67   |
| Others                               |  |
| Power Supply                         | DC12V/PoE  |
| Power Consumption                    | <12W   |
| Operating Environment                | -22°F ~ 140°F ( -30 °C ~ 60 °C) Humidity: less than 95 % (non-condensing)  |
| Dimensions                           | 11 x 3.9 x 3.5 in (278.3 x 100.2 x 88.7mm)   |
| Weight ( net )                       | Approx. 2.3lb (1.04KG)   |
| Installation                         | Ceiling mounting; Wall mounting  |
| Certificate                          | CE, FCC, ETL: 5025761  |
| Environmental Protection             | Complies with Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)  |

### Ordering Information

**PAR-P8BIRA2812NH-AI:** 8 Megapixel Motorized Auto-Focus Bullet, 2.8-12mm