



**PAR-P4BIRA2812NH-AIWL**

4 Megapixel IP Plug & Play, Outdoor Bullet, 2.8-12mm Motorized Auto-Focus Lens, IR Range up to 131', White Light up to 98', WDR, White Light & Deterrent, Built-in Mic/Speaker, SD Card Slot, 12VDC/PoE

**Features**

- True AI Human and Vehicle Classification for Line Crossing and Intrusion Detection
- White Light & Deterrent: AI Triggered
- 4 Megapixel Resolution
- 2.8-12mm Motorized Auto-Focus Lens
- True Day/Night with IR Range up to 131'
- White Light up to 98'
- H.265+, H.265, H.264, MJPEG Compression
- 30 FPS Recording and Live
- True WDR 120dB
- Micro SD Slot: Up to 256GB
- Audio Input: Built-in Mic
- Audio Output: Built-in Speaker
- IP66 Weatherproof
- 12VDC/PoE Operation
- ONVIF
- Free iOS & Android Apps for Smart Phones & Tablets
- Free Central Management Software (CMS)
- Free MAC Client

Camera	
Image Sensor	1 / 3" CMOS
Image Size	2592 x 1520
Electronic Shutter	1 / 3s ~ 1 / 100000 s
Iris Type	DC Iris
Min. Illumination	0.03lux@F1.6, AGC ON; 0 lux with LED
Lens	
Focus	Motorized
Lens Mount	Φ14
Wide Dynamic Range	120dB
BLC	Yes
HLC	Yes
Defog	Yes
Digital NR	2D/3D DNR
S/N Ratio	≥50dB
Angle Adjustment	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°

**Ordering Information**

**PAR-P4BIRA2812NH-AIWL:** 4 Megapixel Bullet, 2.8-12mm Motorized A/F

Image																
Video Compression	Main stream: H.265+ / H.265 / H.264+ / H.264 Sub/Third stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG															
H.264 Compression Standard	Baseline Profile/Main Profile/High Profile															
Resolution	4MP(2592x1520), 2K(2560x1440), 3MP(2304x1296), 1080P (1920x1080), 720P(1280x720), D1, VGA(640x480), CIF, 480x240															
Main Stream	4MP/2K/3MP/1080P ( 60Hz : 1 ~ 30fps; 50Hz: 1~25fps ) HFR mode: 1080P/720P ( 60Hz : 1 ~ 60fps; 50Hz: 1~50fps )															
Sub Stream	720P/D1/VGA/CIF ( 60Hz : 1 ~ 30fps; 50Hz: 1~25fps )															
Third Stream	D1/VGA/CIF/480x240 ( 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, ImageFlip, Image Mirror, NR, etc. adjustable through client software or web browser															
ROI	Each ROI to be configured separately															
Interfaces																
Network	RJ 45 10M/100M self-adaptive Ethernet port															
Video Output	No															
Audio	1CH audio input; 1CH audio output; 1CH built-in speaker; 1CH built-in microphone															
Alarm	1CH alarm input; 1CH alarm output															
Storage	Built-in micro SD card slot; up to 256GB															
Reset	Yes															
Functions																
Remote Monitoring	Web Client/NVR/Paramont CMS/Mobile APP															
Web Browser	IE11(plugin-in required)/Chrome 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+															
Online Connection	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission															
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, RTMP, HTTP, 802.1x, UPnP, HTTPS, QoS															
Interface Protocol	ONVIF Profile T															
Storage	Network remote storage; micro SD card storage															
Smart Alarm	Motion detection, sensor alarm, SD card error, SD card full, IP address conflict, Cable connection															
General Function	Watermark, IP address filtering, video mask, heartbeat, password protection, image distortion correction															
Security	Video encryption, firmware encryption, HTTPs encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP/HTTPS															
PoE	Yes, IEEE802.3af															
Supplement light Range	IR range: 131' White light range: 98'															
Light Modes	IR / White Light / Supplement Light															
Protection Grade	IP66															
Intelligent Analytics																
Video Abnormality	Scene change detection, video blur detection, video cast detection															
Perimeter Detection	Line crossing detection (human/vehicle classification); Region intrusion/entrance/exiting detection (human/vehicle classification)															
Sound&Light Warning	Yes, Red + Blue Alarm Light															
Other Events	Face detection and face capture, abandoned/missing object detection; heat map; target counting, crowd density detection															
DORI Distance	<table border="1"> <tr><th>Lens</th><th>Detect(ft)</th><th>Observe(ft)</th><th>Recognize(ft)</th><th>Identify (ft)</th></tr> <tr><td>2.8~12mm(W)</td><td>197.1(60.1m)</td><td>78.8(24.03m)</td><td>39.4(12.01m)</td><td>19.7(6m)</td></tr> <tr><td>2.8~12mm(T)</td><td>576.5(175.7m)</td><td>230.6(70.3m)</td><td>115.3(35.14m)</td><td>57.6(17.6m)</td></tr> </table>	Lens	Detect(ft)	Observe(ft)	Recognize(ft)	Identify (ft)	2.8~12mm(W)	197.1(60.1m)	78.8(24.03m)	39.4(12.01m)	19.7(6m)	2.8~12mm(T)	576.5(175.7m)	230.6(70.3m)	115.3(35.14m)	57.6(17.6m)
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Others																
Power Supply	DC12V/PoE															
Power Consumption	< 12W															
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	8.6 x 3.2 x 3.2 in (217.7 x 80.5 x 80.3mm)															
Weight ( net )	Approx. 1.5 lb (0.68KG)															
Installation	Ceiling mounting; wall mounting															
Certificate	CE, FCC															
Environmental Protection	Complies with Directive EU RoHS, WEEE(2012/19/EU), directive 94/62/EC and REACH(EC1907/2006)															

