



## PAR-P4BIRA2812NH-AI

4 Megapixel IP Plug & Play, Outdoor Bullet, 2.8-12mm Motorized Auto-Focus Lens, True AI, Up to 164' IR Range, WDR, Audio Input, SD Card Slot, 12VDC/PoE

### 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
- 30 FPS Recording and Live
- True WDR 120dB
- Micro SD Slot: Up to 256GB
- Audio Input
- 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	
Image Size	1 / 3 "CMOS
Image Sensor	2592 × 1520
Electronic Shutter	1/ 2 s ~ 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, H.FoV: 100.0° ~ 28.9°; V.FoV: 54.5°~16.7°; D.FoV: 104.8°~33.1°
Focus	Motorized
Lens Mount	Φ14
Day & Night	ICR
Wide Dynamic Range	120dB
BLC	Yes
HLC	Yes
Defog	Yes
S/N Ratio	≥50dB
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 Sub stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG 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 ) HFR mode: 1080P / 720P( 60Hz : 1 ~ 60fps; 50Hz: 1~50fps )			
Sub Stream	720P/D1/CIF/480×240 ( 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			
Interfaces				
Network	RJ 45 10M/100M self-adaptive Ethernet port			
Audio	1CH audio input			
Video Output	No			
Storage	Built-in micro SD card slot; up to 256GB			
Reset	Yes			
Alarm	No			
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 abnormal color detection			
Face Detection	Face detection and face capture			
Other Events	Abandoned/missing object detection			
Video Metadata	Simultaneously captures human body, motor vehicle and non-motor vehicle and extracts 13 human features, 5 motor vehicle features and 1 non-motor vehicle feature			
DORI Distance				
Lens	Detect(ft)	Observe(ft)	Recognize(ft)	Identify(ft)
2.8~12mm(W)	193.3 (58.91m)	77.3 (23.6m)	38.64 (11.8m)	19.32(5.9m)
2.8~12mm(T)	675.82 (206m)	270.34 (82.4m)	135.2 (41.2m)	67.6 (20.6m)
Functions				
Remote Monitoring	Web Browser/Paramont CMS/NVR/Paramont CMS APP			
Web Browser	IE11(plugin 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, RTMP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP,HTTP, 802.1x, UPnP, HTTPS, HTTP POST, 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, video mask, heartbeat, image distortion correction, corridor pattern			
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			
IR Distance	Up to 164'			
Ingress Protection	IP67			
Others				
Power Supply	DC12V/PoE			
Power Consumption	< 9.5W			
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	8.6 × 3.2 × 3.2in (217.8 × 80.5 × 80.3 mm)			
Weight ( net )	Approx. 1.52lb (0.69KG)			
Installation	Ceiling mounting; Wall mounting			
Certifications	UL: E496771, CE, FCC			
Environmental Protection	Directive EU RoHS, WEEE(2012/19/EU), directive 94/62/EC & REACH(EC1907/2006)			

### Ordering Information

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

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