



## PAR-P4BIRA2812-AI

4 Megapixel IP Plug & Play, Outdoor Bullet, 2.8-12mm Motorized A/F, True AI, 164' IR Range, WDR, Audio Input, PoE/12VDC, Facial Rec

### Features

- 4 Megapixel Resolution
- Motorized Auto-Focus 2.8-12mm Lens
- Facial Recognition Capable with Compatible NVR
- True Day/Night with IR Range up to 164'
- True AI Human and Vehicle Classification for Line Crossing and Intrusion Detection
- Smart H.265/H.265+/H.265/Smart H.264/H.264+/H.264/MJPEG Compression
- 30 FPS Recording and Live
- True WDR 120dB
- SD Slot for Local Storage: 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

Model Specifications	PAR-P4BIRA2812-AI
Camera	
Image Sensor	1 / 3 "CMOS
Image Size	2592 × 1520
Electronic Shutter	1 / 30 s ~ 1 / 100000 s
Iris Type	DC Iris
Min. Illumination	0.005 lux@F1.6,AGC ON; 0 lux with IR 0.0028 lux@F1.2,AGC ON; 0 lux with IR
Lens	2.8~12mm@F1.4, H.FoV: 94.2°~ 29.8°; V.Fov: 62.4°~17°; D.FoV: 102°~33.9°;
Focus	Motorized
Lens Mount	Φ14
Day & Night	ICR
Wide Dynamic Range	120dB
BLC	Yes
HLC	Yes
Defog	Yes

### Ordering Information

**PAR-P4BIRA2812-AI:** 4 Megapixel Bullet, 2.8-12mm Motorized A/F

Digital NR	3D DNR
Angle Adjustment	Pan: 0° ~ 360°; Tilt :0° ~ 90°; Rotation: 0° ~ 360°
Image	
Video Compression	Smart H.265 / H.265+ / H.265 / Smart H.264 / 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, Chroma, Contrast,Wide Dynamic, Sharpen, NR,etc. adjustable through client software or web browser
ROI	Each ROI to be configured separately
Interfaces	
Network	RJ45
Video Output	No
Audio	1CH audio input
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)
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
General Intelligence	Crowd density detection, heat map, object abandoned/missing detection
Functions	
Remote Monitoring	Web browsing,CMS remote control
Online Connection	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, 802.1x, UPnP, HTTPs, QoS
Interface Protocol	ONVIF
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, password protection, non-photosensitive switch, image distortion correction
PoE	Yes , IEEE802.3af
IR Distance	164 ft
Ingress Protection	IP67
Others	
Power Supply	DC12V/PoE
Power Consumption	< 9.5W
Operating Environment	-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 × 80.5 × 80.5 mm)
Weight ( net )	Approx. 1.5 lb (0.69KG)
Installation	Ceiling mounting; Wall mounting