



PAR-P8BIRAL2812-AI

8 Megapixel IP Plug & Play Outdoor Bullet, 2.8-12mm A/F Motorized, WDR, 229' IR Range, True AI, CVBS Output, SD Card Slot, Audio Input/Output, PoE/DC12V

Features

- 8 Megapixel Resolution
- Motorized Auto-Focus 2.8-12mm Lens
- True Day/Night with IR Range up to 164-229'
- 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
- 20 FPS Recording and Live
- True WDR 120dB
- Smart Analytics
- SD Slot for Local Storage: 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

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|--------------------|--|
| Camera | PAR-P8BIRAL2812-AI |
| Image Sensor | 1 / 2.8" CMOS |
| Image Size | 3840x2160 |
| Electronic Shutter | 1 / 25 s ~ 1 / 100000 s |
| Iris Type | DC Iris |
| Min. Illumination | 0.01 lux @ F1.2, AGC ON; 0 lux with IR 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 | φ14 |
| 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 | 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 | 8MP (3840 × 2160), 6MP(3072 × 2048),5MP(2592 × 1944),4MP(2592 × 1520), 2K (2560 × 1440), 3MP (2304 × 1296), 1080P (1920 × 1080), 720P (1280 × 720), D1, CIF, 480 × 240 |
| Main Stream | 60Hz : 8MP/6MP(1~20fps), 5MP/4MP/2K/3MP/1080P/720P (1~30fps) 50Hz : 8MP/6MP(1~20fps), 5MP/4MP/2K/3MP/1080P/720P(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 ~ 12 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 |
| 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* |
| Interfaces | |
| Network | RJ45 |
| Video Output | CVBS output (BNC×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; Support multi-stream real time transmission |
| Network Protocol | UDP, IPv4, IPv6, DHCP, NTP, RTP, PPPoE, DDNS, SMTP, FTP, SNMP, 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, password protection, image distortion correction, etc. |
| IR Distance | 164-229'(50~70m) |
| Protection Grade | IP 67 |
| PoE | Yes (IEEE802.3af) |
| 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 (279.5 × 100.3 × 88.9) |
| Weight (net) | Approx. 2.29lbs (1.04KG) |
| Installation | Ceiling mounting; Wall mounting |

Ordering Information

PAR-P8BIRAL2812-AI: 8 Megapixel Bullet, 2.8-12mm Motorized A/F