



## PAR-P8FACETXIRA2812G1

8 Megapixel/4K IP Plug & Play, Outdoor Turret 2.8-12mm Motorized Auto-Focus, Facial Recognition Capable, Full Color 24/7, Built-in Mic with External Audio Input & Output, SD Card Slot, 12VDC/PoE

### Key Features

- Facial Recognition Capable
- Full Color 24/7 — Captures vivid color in near-total darkness. Includes 98' white light, off by default, available for specialized use.

### Core Features

- 8 Megapixel / 4K
- Motorized Auto-Focus 2.8-12mm
- Cloud Upgradeable
- True P2P Connectivity with QR Code Connect NAT 2.0
- Micro SD Slot: Up to 1 TB
- 30 FPS Recording and Live
- Built-in Mic with External Audio Input & Output
- IP67 Weatherproof
- ONVIF
- Supports Native Chrome/Edge Use
- 12VDC/PoE Operation
- Free iOS & Android Apps for Smart Phones & Tablets
- Free Central Management Software (CMS) for PC/MAC
- NDAA Compliant

|                            |                                                                                                                                                   |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                      | PAR-P8FACETXIRA2812G1                                                                                                                             |
| Camera                     |                                                                                                                                                   |
| Image Sensor               | 1 / 1.8" CMOS                                                                                                                                     |
| Image Size                 | 3840 × 2160                                                                                                                                       |
| Electronic Shutter         | Auto or manual mode; manual mode: 1 / 3s ~ 1 / 100000 s                                                                                           |
| Iris Type                  | DC Iris                                                                                                                                           |
| Min. Illumination          | 0.0005 lux @F1.0, AGC ON; 0 lux with illumination on                                                                                              |
| S/N Ratio                  | ≥50dB                                                                                                                                             |
| Lens                       | 2.8~12 mm@F1.0 Horizontal: 104°~55°; Vertical: 53°~32°; Diagonal: 126°~65°                                                                        |
| Focus                      | Motorized                                                                                                                                         |
| Lens Mount                 | Integrated                                                                                                                                        |
| Wide Dynamic Range         | 120dB                                                                                                                                             |
| BLC                        | Yes                                                                                                                                               |
| HLC                        | Yes                                                                                                                                               |
| Defog                      | Yes                                                                                                                                               |
| Digital NR                 | 3D DNR                                                                                                                                            |
| EIS                        | Yes                                                                                                                                               |
| Angle Adjustment           | Pan: 0°~360°; Tilt: 0°~80°; Rotation: 0°~360°                                                                                                     |
| Image                      |                                                                                                                                                   |
| Video Compression          | Main stream: H.265+ / H.265 / H.264+ / H.264 Sub stream/Third stream: H.265+ / H.265 / H.264+ / H.264/ MJPEG                                      |
| H.264 Compression Standard | Baseline Profile/Main Profile/High Profile                                                                                                        |
| Resolution                 | 8MP (3840×2160), 6MP (3200×1800), 4MP (2688×1520), 2K (2560×1440), 1080P (1920×1080), 720P (1280×720), D1, VGA (640 ×480), 640 ×360, CIF, 480×240 |

### Ordering Information

**PAR-P8FACETXIRA2812G1:** 8 Megapixel Turret, 2.8-12mm Lens

|                          |                                                                                                                                                                                                  |             |            |            |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|------------|
| Main Stream              | 8MP/6MP/4MP/2K/1080P ( 60Hz : 1 ~ 30fps; 50Hz: 1~25fps )                                                                                                                                         |             |            |            |
| Sub Stream               | 1080P(1~15fps)/720P/D1/640 ×360 ( 60Hz : 1 ~ 30fps; 50Hz: 1~25fps )                                                                                                                              |             |            |            |
| Third Stream             | 720P/D1/640 ×360/VGA/CIF/480×240 ( 60Hz : 1 ~ 30fps; 50Hz: 1~25fps )                                                                                                                             |             |            |            |
| Bit Rate                 | 32 Kbps ~12 Mbps                                                                                                                                                                                 |             |            |            |
| Bit Rate Type            | VBR / CBR                                                                                                                                                                                        |             |            |            |
| Audio Compression        | G711A / U                                                                                                                                                                                        |             |            |            |
| Image Settings           | ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Flip, Image Mirror, NR, etc. adjustable through client software or web browser                                        |             |            |            |
| ROI                      | Each ROI to be configured separately                                                                                                                                                             |             |            |            |
| Interfaces               |                                                                                                                                                                                                  |             |            |            |
| Network                  | RJ 45                                                                                                                                                                                            |             |            |            |
| Video Output             | No                                                                                                                                                                                               |             |            |            |
| Audio                    | 1CH audio input; 1CH audio output; 1CH built-in microphone                                                                                                                                       |             |            |            |
| Storage                  | Built-in micro SD card slot; up to 1 TB                                                                                                                                                          |             |            |            |
| Reset                    | Yes                                                                                                                                                                                              |             |            |            |
| Alarm                    | 1CH alarm input; 1CH alarm output                                                                                                                                                                |             |            |            |
| Intelligent Analytics    |                                                                                                                                                                                                  |             |            |            |
| Smart Event              | Line crossing, region intrusion/entrance/exiting (human/vehicle classification), abandoned/ missing object detection, loitering detection, illegal parking detection                             |             |            |            |
| Statistics               | Target counting by line/area, heat map                                                                                                                                                           |             |            |            |
| Exception Detection      | Scene change, video blur and abnormal color detection                                                                                                                                            |             |            |            |
| Face Detection           | Face detection, face capture and face comparison                                                                                                                                                 |             |            |            |
| Video Metadata           | Simultaneously captures human body, motor vehicle and non-motor vehicle and extracts 13 human features, 4 motor vehicle features and 1 non-motor vehicle feature                                 |             |            |            |
| DORI Distance            |                                                                                                                                                                                                  |             |            |            |
| Lens                     | Detect                                                                                                                                                                                           | Observe     | Recognize  | Identify   |
| 2.8~12mm(W)              | 284ft (87m)                                                                                                                                                                                      | 114ft (35m) | 57ft (17m) | 28ft (9m)  |
| 2.8~12mm(T)              | 494ft (151m)                                                                                                                                                                                     | 198ft (60m) | 99ft (30m) | 49ft (15m) |
| Functions                |                                                                                                                                                                                                  |             |            |            |
| Remote Monitoring        | Web Client/NVR/Paramont CMS 2.0/ Paramont CMS Mobile APP                                                                                                                                         |             |            |            |
| Web Browser              | Chrome 92.0+/Edge 92.0+/Firefox 91.0+/Safari 13.1+                                                                                                                                               |             |            |            |
| 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, RTMP, FTP, PPPoE, DDNS, SMTP, SNMP, HTTP, 802.1x, UPnP, HTTPS, HTTP POST, P2P, QoS                                                                  |             |            |            |
| Interface Protocol       | ONVIF (Profile G/S/T/M)                                                                                                                                                                          |             |            |            |
| API & SDK                | Yes                                                                                                                                                                                              |             |            |            |
| Storage                  | Network remote storage; micro SD card storage                                                                                                                                                    |             |            |            |
| Smart Alarm              | Motion detection, SMD, SD card error, SD card full, IP address conflict, Network disconnection, sensor alarm, audio alarm                                                                        |             |            |            |
| General Function         | Watermark, video mask, heartbeat, image distortion correction, corridor pattern, ANR, cloud upgrade, disarming                                                                                   |             |            |            |
| Security                 | Video encryption, firmware encryption, HTTPS encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and token authentication for HTTP/RTSP |             |            |            |
| PoE                      | Yes , IEEE802.3af                                                                                                                                                                                |             |            |            |
| White Light Range        | 98' (30m)                                                                                                                                                                                        |             |            |            |
| Ingress Protection       | IP 67                                                                                                                                                                                            |             |            |            |
| Others                   |                                                                                                                                                                                                  |             |            |            |
| Power Supply             | DC12V/PoE                                                                                                                                                                                        |             |            |            |
| Power Consumption        | DC12V: < 11.1W; PoE: <12.6W                                                                                                                                                                      |             |            |            |
| 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               | Φ 4.4 x 3.9in (111.6 × 99.6mm)                                                                                                                                                                   |             |            |            |
| Weight ( net )           | Approx. 1.5lbs (0.688KG)                                                                                                                                                                         |             |            |            |
| Installation             | Ceiling mounting; Wall mounting                                                                                                                                                                  |             |            |            |
| Certificate              | CE, FCC                                                                                                                                                                                          |             |            |            |
| Environmental Protection | Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)                                                                                                                  |             |            |            |

