



### PAR-P8TIRA2812BNH-AIWLJTJ

8 Megapixel IP Plug & Play, Outdoor Turret, 2.8-12mm Motorized Auto-Focus Lens, IR Range up to 131', White Light up to 98', WDR, Red/Blue Flashing Deterrent Light and/or Siren, Built-in Mic/Speaker, SD Card Slot, 12VDC/PoE, with Included Junction Box

#### Features

- True AI Human and Vehicle Classification for Line Crossing and Intrusion Detection
- Red/Blue Flashing Deterrent Light and/or Siren: AI Triggered
- White Light for Color at Night: AI Triggered
- 8 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+, H.264 Compression
- 30 FPS Recording and Live
- True WDR 120dB
- Supports Native Chrome/EDGE Use
- 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
- NDAA Compliant

Camera	PAR-P8TIRA2812BNH-AIWLJTJ
Image Sensor	1 / 1.8" CMOS
Image Size	3840 × 2160
Electronic Shutter	1 / 2s ~ 1 / 1000000 s
Iris Type	DC Iris
Min. Illumination	0.006lux@F1.4, AGC ON, 0 lux with IR 0 lux with LED
Lens	2.8~12mm@F1.4
Field of View	Horizontal: 113°~46°; Vertical: 59°~26°; Diagonal: 136°~54°
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°~75°; Rotation: 0°~360°
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

#### Ordering Information

**PAR-P8TIRA2812BNH-AIWLJTJ**: 8 Megapixel Turret, 2.8-12mm Lens

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 VGA(640×480), CIF, 480 × 240															
Main Stream	8MP/6MP/5MP/4MP/2K/3MP/1080P/720P (60Hz: 1~30fps; 50Hz: 1~25fps)															
Sub Stream	1080P/720P/D1/VGA/CIF (60Hz: 1~30fps; 50Hz: 1~25fps)															
Third Stream	D1/VGA/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, 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 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 2.0/ Paramont CMS Mobile 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, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, RTMP, 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, 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'															
Protection Grade	IP66															
Intelligent Analytics																
Video Abnormality	Scene change detection, video blur detection, abnormal color detection															
Perimeter Detection	Line crossing detection (human/vehicle classification); Region intrusion/entrance/exiting detection (human/vehicle classification)															
Sound&Light Warning	Yes															
Other Events	Face detection and face capture, abandoned/missing object detection; heat map; target counting by line/area															
DORI Distance	<table border="1"> <thead> <tr> <th>Lens</th> <th>Detect(ft)</th> <th>Observe(ft)</th> <th>Recognize(ft)</th> <th>Identify(ft)</th> </tr> </thead> <tbody> <tr> <td>2.8~12mm(W)</td> <td>249(76m)</td> <td>102(31m)</td> <td>49(15m)</td> <td>26(8m)</td> </tr> <tr> <td>2.8~12mm(T)</td> <td>614(187m)</td> <td>246(75m)</td> <td>121(37m)</td> <td>62(19m)</td> </tr> </tbody> </table>	Lens	Detect(ft)	Observe(ft)	Recognize(ft)	Identify(ft)	2.8~12mm(W)	249(76m)	102(31m)	49(15m)	26(8m)	2.8~12mm(T)	614(187m)	246(75m)	121(37m)	62(19m)
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Others																
Power Supply	DC12V/PoE															
Power Consumption	< 12.5W															
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	Ø 4.4 x 3.9 in (111.5 × 99.6 mm)															
Weight ( net )	Approx. 1.4 lbs (0.64KG)															
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)															

