



PAR-P4DRIRA2812NH-AI

4 Megapixel IP Plug & Play, Outdoor Dome, True AI, Up to 164' IR Range, WDR, Audio Input/Output, Built-in Mic, PoE/12VDC

Features

- True AI Human and Vehicle Classification for Line Crossing and Intrusion Detection
- True P2P Connectivity with QR Code Connect NAT 1.0
- 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, MJPEG Compression
- 30 FPS Recording and Live
- True WDR 120dB
- CVBS Video Output
- Micro SD Slot: Up to 256GB
- Audio Input: Built-in Mic
- Audio Output
- IP67 Weatherproof
- IK10 Vandal Resistant
- 12VDC/PoE Operation
- ONVIF
- Free iOS & Android Apps for Smart Phones & Tablets
- Free Central Management Software (CMS) for PC/MAC
- NDAA Compliant

Camera Module	
Image Size	1 / 3 "CMOS
Image Sensor	2592 × 1520
Electronic Shutter	1/3s ~ 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, motorized
Field of View	Horizontal: 100.0° ~ 28.9°; Vertical: 54.5° ~ 16.7°; Diagonal: 104.8° ~ 33.1°
Lens Mount	Φ14
Day & Night	ICR
Wide Dynamic Range	120dB
BLC	Yes
HLC	Yes
Defog	Yes
Digital NR	3D DNR
Angle Adjustment	Pan: 0°~345°; Tilt: 0°~77°; Rotation: 0°~345°
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 (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			
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 video cast detection			
Face Detection	Face detection and face capture			
Other Events	Abandoned/missing object detection			
DORI Distance				
Lens	Detect (ft)	Observe (ft)	Recognize (ft)	Identify (ft)
2.8~12mm(W)	193.3 (58.9m)	77.3 (23.6m)	38.6 (11.8m)	19.3 (5.9m)
2.8~12mm(T)	675.8 (206m)	270.3 (82.4m)	135.2 (41.2m)	67.6 (20.6m)
Interfaces				
Network	RJ45			
Audio	1CH audio input; 1CH audio output; 1CH built-in MIC			
Video Output	CVBS output (BNC × 1)			
Storage	Built-in micro SD card slot; up to 256GB			
Reset	Yes			
Alarm	1CH alarm input; 1CH alarm output			
Audio Sensitivity	-36db			
Functions				
Remote Monitoring	Web Browser/Paramont CMS AI TSS/NVR/Paramont CMS mobile APP			
Web Browser	IE (plug-in required)/Google Chrome/Edge/Firefox/Safari			
Online Connection	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission			
Network Protocol	UDP, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, 802.1x, UPnP, HTTPs, HTTP POST, QoSIPv4, IPv6, RTP, RTMP, RTCP,			
Interface Protocol	ONVIF			
Storage	Network remote storage; micro SD card storage			
Smart Alarm	Motion detection, sensor detection, SD card error, SD card full, IP address conflict, cable disconnection			
General Function	Watermark, IP address filtering, video mask, heartbeat, illegal login lock, image distortion correction, corridor pattern			
PoE	Yes , IEEE802.3af			
IR Distance	up to 164 ft (30 ~ 50 m)			
Ingress Protection	IP67& IK10			
Others				
Power Supply	DC12V/PoE			
Power Consumption	< 9W			
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 5.6 × 3.9 in (Φ 141 × 100.2mm)			
Weight (net)	Approx. 2.1lb (0.93KG)			
Installation	Ceiling mounting; Wall mounting			
Certifications	UL: E496771, CE, FCC			
Environmental Protection	Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)			

Ordering Information

PAR-P4DRIRA2812NH-AI: 4MP Outdoor Dome, 2.8-12mm