



### PAR-P4BIRL28NH-AI

4 Megapixel IP Plug & Play, Outdoor Bullet, 24/7 Full-Color Day AND Night, White Light up to 98', True AI, Fixed lens, Audio Input: Built-in Mic, Audio Output, SD Card Slot, 12VDC/PoE

#### Features

- True AI Human and Vehicle Classification for Line Crossing and Intrusion Detection
- 24/7 Full-Color Day & Night with InVid Tech Illuminate
- 4 Megapixel Resolution
- Fixed Lens
- White Light Range up to 98'
- H.265+ / H.265 / H.264+ / H.264
- 30 FPS Recording and Live
- SD Slot For Local Storage: Up to 1 TB
- Audio Input: Built-in Mic
- Audio Output
- IP67 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-P4BIRL28NH-AI
Image Sensor	1 / 1.79 "CMOS
Image Size	2688 × 1520
Electronic Shutter	Auto or manual mode; manual mode: 1 / 2s ~ 1 / 100000 s
Iris Type	Fixed Iris
Min. Illumination	0.0003 lux @F1.0, AGC ON; 0 lux with illumination on
S/N Ratio	≥50dB
Lens	2.8 mm@F1.0, H.FoV: 112°, V.FoV:61°, D.FoV:133°
Focus	Fixed
Lens Mount	M12
Wide Dynamic Range	Digital WDR
BLC	Yes
HLC	Yes
Defog	Yes
Digital NR	3D DNR
Angle Adjustment	Pan: 0°~360°; Tilt:0°~90°; 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 Fourth stream/Fifth stream: H.265 / H.264 / MJPEG
H.264 Compression Standard	Baseline Profile/Main Profile/High Profile
Resolution	4MP (2688×1520),2K (2560×1440), 3MP(2304×1296 ),1080P (1920×1080), 720P (1280×720 ), D1, VGA (640 ×480), CIF, 480×240

#### Ordering Information

**PAR-P4BIRL28NH-AI:** 4 Megapixel Bullet, 2.8mm Fixed Lens

Main Stream	4MP/2K/3MP/1080P( 60Hz : 1 ~ 30fps; 50Hz: 1~25fps )				
Sub Stream	1080P/720P/D1 ( 60Hz : 1 ~ 30fps; 50Hz: 1~25fps )				
Third Stream	720P/D1/VGA/CIF/480×240 ( 60Hz : 1 ~ 30fps; 50Hz: 1~25fps )				
Fourth Stream	D1/VGA/CIF/480×240 ( 60Hz : 1 ~ 30fps; 50Hz: 1~25fps )				
Fifth Stream	D1/VGA/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 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, crowd density detection				
Statistics	Target counting by line, heat map				
Exception Detection	Scene change, video blur and abnormal color detection				
Face Detection	Face detection and face capture				
Video Metadata	Simultaneously captures human body, motor vehicle and non-motor vehicle and extracts 13 human features, 5 motor vehicle features and 1 non-motor vehicle feature				
DORI Distance					
DORI Distance	Lens	Detect (ft)	Observe (ft)	Recognize (ft)	Identify (ft)
	2.8mm	170 (52m)	68 (21m)	33 (10m)	17 (5m)
Functions					
Remote Monitoring	Web Client/TVT NVR/NVMS/mobile APP				
Web Browser	IE11(plugin-in required)/Chrome 92.0+/Edge 92.0+/Firefox 91.0+/Safari 13.1+				
Online Connection	Support simultaneous monitoring for up to 3 users; Support multi-stream real time transmission				
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTP, RTSP, RTP, RTCP, RTMP, FTP, PPPoE, DDNS, SMTP, SNMP, HTTP, 802.1x, UPnP, HTTPS, HTTP POST, 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, video mask, heartbeat, image distortion correction, corridor pattern				
Security	Video encryption, firmware encryption, HTTPs encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP				
PoE	Yes , IEEE802.3af				
White Light Range	Up to 98' (30 m)				
Ingress Protection	IP 67				
Others					
Power Supply	DC12V/PoE				
Power Consumption	< 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	8.6 x 3.2 x 3.2 in (217.8 × 80.5 × 80.3 mm)				
Weight ( net )	Approx. 1.5lbs (0.69KG)				
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)				

