InVid Tech
Innovative Video Technology



PAR-P4TXIR28NH-AI2

4 Megapixel IP Plug & Play, Outdoor Turret, 2.8mm Fixed Lens, True AI with 2nd Level Metadata, IR, AI-Triggered White Light, Built-in Mic, SD Card Slot, 12VDC/PoE

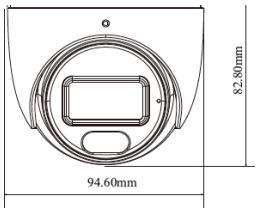
KEY FEATURES

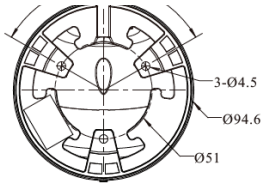
- True AI Human & Vehicle Classification for Line Crossing, Intrusion Detection, & Other AI Features
- Supports 2nd Level Metadata
- AI-Triggered White Light up to 98'

CORE FEATURES

- 4 Megapixel
- Fixed 2.8mm
- Cloud Upgradeable
- True P2P Connectivity with QR Code Connect NAT 2.0
- Micro SD Slot: Up to 512GB
- Built-in Mic with External Audio Input & Output
- True Day/Night with IR Range up to 98'
- 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-P4TXIR28NH-AI2
Camera	
Image Sensor	1 / 2.7" CMOS
Max. Resolution	2688 × 1520
Electronic Shutter	1 / 3s ~ 1 / 100000 s
Iris Type	Fixed Iris
Min. Illumination	0.008 lux @F1.6, AGC ON; 0 lux with illumination on
S/N Ratio	≥50dB
Lens	2.8 mm@F1.6, Horizontal FoV: 100°; Vertical FoV:55°; Diagonal FoV:120°
Focus	Fixed
Lens Mount	M12
Wide Dynamic Range	120dB
BLC	Yes
HLC	Yes
Defog	Yes
Digital NR	3D DNR
Angle Adjustment	Pan: 0°~360°; Tilt:0°~75°; Rotation: 0°~360°
Image	
Video Compression	Main/Fourth stream: H.265+/H.265/H.264+/H.264 Sub/Third stream: H.265+/H.265/H.264+/H.264/ MJPEG
H.264 Compression Standard	Baseline Profile/Main Profile/High Profile
Resolution	4MP (2688×1520), 2K (2560×1440), 1080P (1920×1080), 720P (1280×720), D1, VGA (640 ×480), 640×360, CIF, 480×240
Main Stream	4MP/2K/1080P (60Hz: 1 ~ 30fps; 50Hz: 1~25fps)
Sub Stream	1080P/720P/D1/VGA/640×360/CIF/480×240 (60Hz:1~30fps; 50Hz:1~25fps)
Third Stream	D1/VGA/640 ×360/CIF/480×240 (60Hz: 1 ~ 30fps; 50Hz: 1~25fps)
Fourth Stream	1080P/720P/D1/VGA/640×360 (60Hz:1~30fps; 50Hz:1~25fps)
Bit Rate	32 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	8 ROI, each ROI to be configured separately
Interfaces	
Network	RJ 45 (10/100 Base-T)
Video Output	No
Audio	1CH audio input; 1CH audio output; 1CH built-in microphone
Storage	Built-in micro SD card slot; up to 512G
Reset	Yes
Alarm	No
Intelligent Analytics	
Intelligent Video Detection (IVD)	Line crossing/ region intrusion/entrance/exiting (human/vehicle classification), loitering detection, illegal parking detection, abandoned/missing object detection, people gathering detection
Statistics	Target counting by line/area, heat map
Exception Detection	Scene change, video blur and abnormal color detection, audio exception
Face Detection	Face detection and face capture
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
2.8mm	192 ft (58 m) 77 ft (23 m) 38 ft (12 m) 19 ft (6 m)
Functions	
Remote Monitoring	Web Browser, NVR, Paramont CMS, Paramont CMS App
Web Browser	Chrome 105.0+/Edge 105.0+/Firefox 121.0+/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, RTMP, FTP, PPPoE, DDNS, SMTP, SNMP, HTTP, 802.1x, UPnP, HTTPS, NAT, QoS, ICMP, IGMP
Interface Protocol	ONVIF Profile S/G/M/T
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, cable disconnection, audio alarm
General Function	Watermark, video mask, heartbeat, smart IR, smart supplement light, image distortion correction, corridor pattern, ANR, cloud upgrade, disarming
Security	Firmware encryption, HTTPS encryption, configuration encryption, video encryption, illegal login lock, IP address filtering, 802.1x, log out after timeout basic and digest authentication for HTTP/RTSP/API service, TLS1.1/1.2/1.3
PoE	Yes , IEEE802.3af, class3
Supplement Light Range	IR range: 65.6 ~ 98.4 ft (20 ~ 30 m); white light range:65.6 ~ 98.4 ft (20 ~ 30 m)
Ingress Protection	IP 67
Others	
Power Supply	DC12V/PoE
Power Consumption	DC12V: < 6.7W; PoE: < 7.8W
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 (mm)	Ø3.7 in × 3.3 in (Ø94.6 mm × 82.8 mm)
Weight (net)	Approx. 1.01 lb (0.46KG)
Material	Aluminum alloy body
Installation	Ceiling mounting; Wall mounting
Certificate	CE, FCC
Environmental Protection	Directive EU RoHS, WEEE(2012/19/EU), and REACH(EC1907/2006)





Ordering Information

PAR-P4TXIR28NH-AI2: 4 Megapixel Turret, 2.8mm, White Housing
PAR-P4TXIR28BNH-AI2: 4 Megapixel Turret, 2.8mm, Black Housing

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