PAR-P5TXIR4TH3

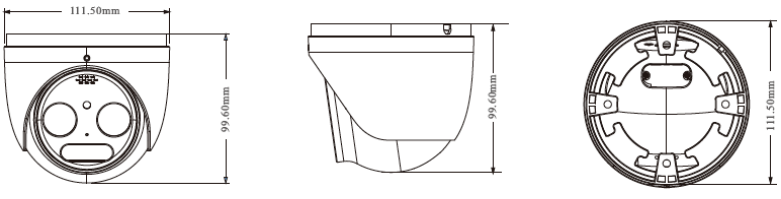
5 Megapixel IP Plug & Play, Outdoor Optical/Thermal Dual Sensor Turret Camera with Dual Image Fusion, Fixed Lens, IR Range up to 98', WDR, Built-in Mic + Speaker, SD Card Slot, 12VDC/PoE

Features

- Optical/Thermal: True AI Human & Vehicle Classification for Line Crossing, Intrusion Detection, & Other AI Features
- Thermal: Fire Detection & Temperature Measurement with Exception Alarms
- Supports Native Chrome/Edge Use
- 5 Megapixel Resolution
- Fixed Optical Lens 4mm, Fixed Thermal Lens 3.2mm
- True Day/Night with IR Range up to 98'
- 30 FPS Recording and Live
- True WDR
- Micro SD Slot: Up to 256GB
- Audio Input: Built-in Mic
- Audio Output: Built-in Speaker
- IP67 Weather proof
- DC12V/PoE Operation
- ONVIF
- Free iOS & Android Apps for Smart Phones & Tablets
- Free Central Management Software (CMS) for PC/MAC
- NDAA Compliant

Model	PAR-P5TXIR4TH3
Thermal Module	
Detector Type	12μm 256×192 Vanadium oxide uncooled focal plane detector
Response Waveband	8μm-14μm
NETD	≤50mK(@25°C, F#=1.0)
IRIS Type	Fixed Iris
Lens	3.2mm@F1.1
Field of View (H×V)	56°×42.2°
Min. Focusing Distance	0.5 m
Color Palettes	Black hot, White hot,iron oxide red, rainbow, etc.
DRI Distance Human (0.75m)	Detection: 436ft (133m), Recognition: 108ft (33m), Identification: 56ft (17m)
DRI Distance Vehicle (2.3m)	Detection: 1342ft (409m), Recognition: 335ft (102m), Identification: 167ft (51m)
Visible Light Module	
Image Sensor	1/ 2.7" CMOS
Image Size	2592×1944
Electronic Shutter	1/3 s ~ 1 / 100000 s
Iris Type	Fixed Iris
Min. Illumination	0.02 lux@F1.6,AGC ON; 0 lux with IR 0.03 lux@F2.0,AGC ON; 0 lux with IR
Lens	4mm@F1.6
Field of View(H×V)	81°×56.7°
DORI Distance	Detection: 236ft (72m), Observation: 95ft (29m), Recognition: 47ft (14m), Identification: 24ft (7m)
Wide Dynamic Range	120dB
BLC	Yes
HLC	Yes
Defog	Yes

Digital NR	2D/3D DNR
Image	
Video Compression	H.265 / H.264 / MJPEG
H.264 Compression Standard	Baseline Profile / Main Profile / High Profile
Bit Rate Type	VBR/CBR
Bit Rate	128Kbps~ 8Mbps
Resolution	Thermal : 720P (1280 × 720), D1, CIF, 480 × 240
	Optical: 5MP (2592 × 1944), 4MP (2592 × 1520), 2K (2560 × 1440), 3MP (2304 × 1296),1080P (1920 × 1080), 720P (1280 × 720), D1, CIF, 480 × 240
Main Stream	Optical: 60Hz: 5MP/4MP/2K/3MP/1080P/720P (1~30fps); 50Hz: 5MP/4MP/2K/3MP/1080P/720P (1~25fps)
	Thermal : 256 × 192 (the resolution of output image is 720P/D1/CIF/480×240) (1~25fps)
Sub Stream	Optical: 60Hz: 720P/D1/CIF (1~30fps); 50Hz: 720P/D1/CIF (1~25fps)
Third Stream	Optical: 60Hz: D1/CIF/480×240(1~30fps); 50Hz: D1/CIF/480×240(1~25fps)
Dual Image Fusion	Yes
Temperature Overlay	Temperature can be overlaid on video stream
Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, NR, etc. adjustable through client software or web browser
Audio Compression	G711A/U
ROI	8 regions; each ROI to be configured separately
Interfaces	
Network	RJ 45
Video Output	No
Audio	1CH 3.5mm MIC/LIN in audio input; 1CH built-in MIC; 1CH built-in speaker
Storage	Built-in micro SD card slot; up to 256GB
Reset	Yes
RS 485	No
Alarm	1CH alarm input; 1CH alarm output
Functions	
Temperature Range	-4°F ~ 302°F (-20°C~150°C)
Temperature Accuracy	±8°C or ± 8%
Temperature alarm	Over temperature alarm, low temperature alarm
	10 rules in total (Point: up to 10; Line: 2, recommended; Area: 2, recommended)
Fire Detection	Dynamic fire detection, up to 10 fire points detectable
Remote Monitoring	Paramont NVR, Paramont CMS 2.0, Paramont CMS Mobile App
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,HTTP, 802.1x, UPnP, HTTPS, HTTP POST, QoS
Interface Protocol	ONVIF
Storage	Network remote storage; micro SD card storage
Smart Alarm	Motion detection, SD card error, SD card full, IP address conflict, Cable connection, video exception, audio exception
Intelligent Analytics	Optical: region intrusion/entrance/exiting detection/line crossing detection (human/motor vehicle/non-motor vehicle classification), target counting by line/ area(human/motor vehicle/non-motor vehicle classification), face detection, illegal parking detection, loitering detection, abandoned/missing object detection Ther-mal: fire detection, temperature exception alarm, region intrusion/entrance/ exiting detection/line crossing detection (human/motor vehicle classification) AI function can be enabled simultaneously on thermal and optical channels
General Function	Watermark, IP address filtering, video mask, heartbeat, password protection, image distortion correction
Sound & Light Warning	White light flashing alarm and sound alarm supported
PoE	Yes , IEEE802.3 af, class0
IR Distance	98'
Protection Grade	IP66
Others	
Power Supply	DC12V / PoE
Power Consumption	< 9W
Operating Environment	Humidity: less than 95 % (non-condensing) -22°F ~ 140°F (-30 °C ~ 60 °C)
Certificate	CE, FCC
Environment Protection	Complies with Directive EU RoHS, WEEE(2012/19/EU), directive 94/62/EC and REACH(EC1907/2006)
Dimensions	4.4 x 3.9 in (Ø111.5 × 99.6mm)
Weight (net)	Approx. 1.5 lbs (0.68KG)
Installation	Ceiling mounting; Wall mounting
Certificate	CE, FCC
Environmental Protection	RoHS2.0, WEEE (2012/19/EU), REACH (EC 1907/2006)



Ordering Information

PAR-P5TXIR4TH3: 5 Megapixel Thermal Turret, 4mm Optical, 3.2mm Thermal

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