

# ICIP-TP4824

Thermal Indoor/Outdoor, Full-Size Network Dome Pan / Tilt Camera



## FEATURES

- 640 × 512 VOx uncooled thermal sensor technology
- Athermalized Lens (thermal), Focus-free
- Supports temperature measurement, fire detection, & alarm
- 19mm lens
- Micro SD memory, IP66, PoE+

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# SPECIFICATIONS

Camera	
Image Sensor	Uncooled VOx Microbolometer
Effective Pixels	640(H) x 512(V)
Pixel Size	17um
Thermal Sensitivity (NETD)	<40mK @ f1.0
Spectral Range	7 ~ 14um
Image Setting	Brightness / Sharpness / ROI / DDE / AGC / FFC / 3D DNR
Color Palettes	14

Thermal Lens	
Type	Fixed
Focus Control	Athermalized, Focus-free
Focal Length	19mm
Angle Of View	H: 32°; V: 26°
Effective Distance - Man (5.9" x 1.6" / 1.8m x 0.5m)	D: 710.8yd / 650m R: 175yd / 160m I: 87.5yd / 80m
Effective Distance - Vehicle (7.5" x 7.5" / 2.3m x 2.3m)	D: 2,187.2yd / 2,000m R: 546.8yd / 500m I: 273.4yd / 250m

PTZ	
Pan / Tilt Range	Pan: 0° ~ 360° endless; Tilt: -20° ~ 90°
Manual Control Speed	Pan: 0.1° ~200° /s; Tilt: 0.1° ~120° /s
Preset Speed	Pan: 0.1° ~240° /s ;Tilt: 0.1° ~200° /s
Presets	255
PTZ Mode	Pan: 0.1° ~240° /s ;Tilt: 0.1° ~200° /s
Speed Setup	Human-oriented focal length / speed adaptation
Power-up Action	Auto restore to previous PTZ and lens status after power failure
Idle Motion	Activate Preset / Scan / Tour / Pattern if there is no command in the specified period
Protocol	ICR-SD, Pelco P/D (Auto-recognition)

Video	
Compression	H.264 (Base profile, Main profile, High profile), MJPEG
Frame Rate	Main Stream: 1.3MP (1280 x 1024 - default) / 720P (1280 x 720) @ 30fps Sub Stream: Thermal: VGA (640 x 512 - default) / CIF (320 x 256) @ 15fps
Bit Rate Control	CBR / VBR
Bit Rate	H.264: 640K ~ 8Mbps
Motion Detection	Off / On (4 zone, rectangle)
Digital Zoom	24x
Flip	180°
Mirror	Off / On
Privacy Masking	Off / On (4 area, rectangle)

Temperature Measurement	
Range	Low Gain: -40°F ~ 1,022°F / -40°C ~ 550°C High Gain: -40°F ~ 320°F / -40°C ~ +160°C

Accuracy	Max(±35.6°F / ±2°C / ±2%)
Modes	Spot / Line / Area
Presets	Spot: 8; Line: 1; Area: 8 Supports 8 presets simultaneously

Audio	
Compression	G.711a / G.711Mu / AAC

Intelligent Functions	
Auto Tracking	Supported
IVS	Tripwire, Intrusion, Object Detection (People / Vehicle), Abandon / Missing detection, Fire detection, & alarm
Tracking Trigger Mode	Manual / Auto (alarm-triggered)
Tracking Trigger Event	Targeting, Zoom, Tracking, Recording, Snapshot, & Alarm

Network	
Ethernet	RJ-45 (10 / 100Base-T)
Protocol	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPoE, DDNS, FTP, IP Filter, QoS, Bonjour, & 802.1x
Interoperability	ONVIF, PSIA, & CGI
Streaming Methods	Unicast / Multicast
Max User Access	20
Edge Storage	Micro SD card 128GB, Memory status display (Normal / Error / Active / Formatting / Lock), NAS, & Local PC for instant recording,
Management Software	Smart ICRSS
Smartphone	Android & iOS

Interface	
Video	1.0Vp-p/75Ω, HDCVI (Optional)
Audio	1 Input, 1 Output
RS485	Supported
Alarm	2 / 1 In / Out

Electrical	
Power Supply	24V AC ±25% / PoE+
Power Consumption	<17W

Environmental	
Operating Conditions	-40°F ~ 140°F / -40°C ~ 60°C; < 95% RH
Storage Conditions	-40°F ~ 158°F / -40°C ~ 70°C; < 95% RH
Ingress Protection	IP66

Construction	
Casing	Metal
Dimensions	Φ7.3" x 19.3" / Φ186mm x 491mm
Net Weight	7.7lbs / 3.5kg
Gross Weight	13lbs / 5.9kg



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