

A571-P2

4MP Deep Learning AI f6.9mm Outdoor Thermal Turret with IR LED 60m, WDR 120dB



- 4 Megapixel, f6.9mm, Thermal Turret
- Deep Learning AI
- IR LED 60m, Superior WDR (120 dB)
- Smart Intrusion Protection
- Weatherproof (IP68), Vandal proof (IK10)
- Overheating Detection, Fire Detection, Thermal Surveillance
- Thermal Resolution 160(H) X 120(V), NETD <35mK
- Fire detection up to 82.8m

► Specifications

Product Profile

Product Type	Thermal Turret
Product Application	Overheating Detection, Fire Detection, Thermal Surveillance
Application Environment	Outdoor
Maximum Resolution	4MP
Image Sensor	Progressive Scan CMOS + Thermal sensor
Sensor Size	1/2.7 "
Effective Pixels	Thermal: 160(H) X 120(V) Optical: 2688(H) X 1520(V)
Pixel Interval	12 μm
Spectral Range	8-14 μm
Thermal Sensitivity	NETD <35mK at F1.0
Spatial Resolution	1.74 mrad
Day / Night	Yes
Low Light Sensitivity	Superior
Mechanical IR Cut Filter	Yes
IR LED	Adaptive IR LED
IR Working Distance	60m

White LED	Yes
Electronic Shutter	1-1/100000 second (manual mode); 1-1/100000 second (auto mode)
S/N Ratio	75 dB

Lens

Number of Lenses	2 Lenses
Focal Length	Fixed focal, f6.9mm (Thermal camera) Fixed focal, f8.0mm (Visual camera)
Horizontal Viewing Angle	24.9° (Thermal camera) 39.4° (Visual camera)
Vertical Viewing Angle	18.7° (Thermal camera) 21.96° (Visual camera)

Video

Compression	H.265, H.264, MJPEG
Maximum Frame Rate vs. Resolution	(Visual camera) (60Hz) 30 fps at 2688 x 1520 30 fps at 1920 x 1080 30 fps at 1280 x 720 30 fps at 704 x 480 30 fps at 352 x 240 (50Hz) 25 fps at 2688 x 1520 25 fps at 1920 x 1080 25 fps at 1280 x 720 25 fps at 704 x 576 25 fps at 352 x 288 (Thermal camera) 25 fps at 1280 x 720 25 fps at 704 x 576 25 fps at 640 x 512 25 fps at 320 x 240
Multi-Streaming	Simultaneous dual streams
Digital Noise Reduction	3D DNR
Wide Dynamic Range	Superior WDR (120 dB)
Built-in Analytics	People Detection, Vehicle Detection, Smart Intrusion Protection (, People Line Crossing Detection, People Intrusion Detection, People Enter Area Detection, People Exit Area Detection, Vehicle Line Crossing Detection, Vehicle Intrusion Detection, Vehicle Enter Area Detection, Vehicle Exit Area Detection), Age Detection), Fire Detection, Smoking Detection, Sun-reflection Filter

Analytics

Deep Learning AI	1.0
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Audio

Audio Type	2-way, Mic-in, Line-in, Line-out
Audio Compression	PCM, G.711, G.722.1, G.726, MP2L2

Network

Network Protocol & Service	IPv4/v6, TCP, UDP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, RTCP, SMTP, FTP, IGMP, ICMP, ARP, UPnP, QoS, SNMP, SSL/TLS, IEEE 802.1X, SMB/CIFS (SAMBAA)
Ethernet Port	1 x Ethernet (10/100 Base-T), RJ-45 connector

Temperature Measurement

Temperature Measurement Rules	3 types (point, area, line), up to 21 rules in total (10 points, 10 areas, 1 line)
Temperature Range	-20°C ~ 300°C (-4°F ~ 572°F)
Temperature Accuracy	±8°C (14.4°F)

Detection Range

Triggering Analytics Event Notification	(People 1.8x0.5m) 49m (Vehicle 1.4x4.0m) 147m
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Triggering Temperature Notification	(Object 1x1m) 116.7m (Object 0.2x0.2m) 23.3m ()
Triggering Fire Detection Event Notification	(Object 0.2x0.2m) 82.8m
Triggering Smoking Detection Event Notification	10.35m
Observation Range	Detection: People 287m; Vehicle 881m Recognition: People 72m; Vehicle 220m Identification: People 36m; Vehicle 110m

Event

Event Trigger	Intelligent event detection, Temperature Exception Detection (up to 10 points, 10 areas and 1 line), Fire Detection, Sound detection
Event Response	Activate external device through digital output, Flashing alarm light, Play alert sound, Send E-mail Notification, Upload snapshot to FTP server, Save video or snapshot to storage

Integration

ONVIF Compliant	Yes, Profile G
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Interface

Serial Port	1 x RS-485
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General

Power Source	DC 12V, PoE Class 3 (IEEE802.3af)
Power Consumption	16 W (DC), 17 W (PoE)
Dimensions	(W x H x D): 138.3mm x 138.3mm x 123.1mm (5.45" x 5.45" x 4.85")
Environmental Casing	Weatherproof (IP68), Vandal proof (IK10)
Corrosion Protection	Optional for project request. Chassis corrosion resistance at the seashore approximately 3 years.
Operating Temperature	-40°C ~ 65°C (-40°F ~ 149°F)
Operating Humidity	≤95% RH, non-condensing
Approvals	CE Class A, FCC Class A, IP68, IK10
Real-time Clock (RTC)	Yes
Warranty	3 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

► Related Products

Mounting Accessories - Camera Mount

PMAX-0133		Pendant Mount (for A570, A570-P1, A570-P2)
PMAX-0363		Wall Mount (for A570, A570-P1, A570-P2)
PMAX-0407		Corner Mount (for A42x, A42xD, A570, A570-P1, A570-P2, A7xD, A82xD, VMGB-359, VMGB-359-P1)

PMAx-0735



Junction Box (for A570, A570-P1, A570-P2)

Note: Some mounting accessories may need additional accessories for installation. Please check www.acti.com/mountingselector for more information.

Power Supply Accessories - Power Adapter

PPBX-0013



Power Adapter AC 100~240V (EU), for A3x, A4x, A88, A9x, Z31, Z8x, Z9x

PPBX-0014



Power Adapter AC 100~240V (UK), for A3x, A4x, A88, A9x, Z31, Z8x, Z9x

PPBX-0026



Power Adapter AC 100~240V (US), for A3x, A4x, A7x, A88, A9x, Z3x, Z4x, Z7x, Z8x, Z9x

PPBX-0034



Power Adapter AC 100~240V (US) for A3x, A4x, A7x, A88, A9x, Z3x, Z4x, Z7x, Z8x, Z9x, Q550

Power Supply Accessories - PoE Injector

PPOE-0107



High PoE Injector IEEE 802.3at compliant, AC 100~240V, with universal connectors (for A416, A418, B913, B923, B934, Q450, Q75, VMGB-60X, Z37, Z71, Z952)

Network & Storage Peripherals - Data Switch

PPSW-0102



PLANET FGSD-1011HP 8-Port 802.3at PoE Switch (PoE Budget 120W)

PPSW-0108



8-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 120W)

PPSW-0109



8-Port 802.3at Smart Managed PoE Switch (PoE Budget 120W)

PPSW-1101



PLANET GS-4210-24PL4C 24-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 440W)

PPSW-1107



24-port 10/100/1000Mbps PoE, Smart Managed Gigabit Ethernet PoE Switch

PPSW-2105



4-Port 802.3at Smart Managed Gigabit PoE Switch

PPSW-3101



16-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 240W)

PPSW-3103



16-Port 802.3at PoE Switch (PoE Budget 250W)

PPSW-3104



16-Port 802.3at Smart Managed PoE Switch (PoE Budget 250W)

PPSW-3402



16-Port 10/100/1000T 802.3bt PoE + 8-Port 10/100/1000T + 4-Port 10G SFP+ Managed Ethernet Switch

PPSW-4205



24-Port 10/100/1000T 802.3at PoE + 2-Port 100/1000X SFP Managed Switch (PoE Budget 300W)