

# A570

## 4MP Fire Detection Outdoor Thermal Turret with D/N, Adaptive IR, White LED, Superior WDR, SLLS, Fixed Lens



- Fire Detection
- 4 Megapixel
- Day & Night with Superior Low Light Sensitivity and Adaptive IR LED
- Smart Dual Light with built-in IR and White LED
- Superior WDR (120dB)
- H.265 Compression
- Wide Angle
- Super wide angle
- Event trigger, response and notification

### ► Specifications

#### Device

Product Type	Thermal Turret
Maximum Resolution	4MP
Product Application	Overheating Detection, Fire Detection
Application Environment	Outdoor
Image Sensor	Progressive Scan CMOS + Thermal sensor
Sensor Size	Optical: 1/2.7 "
Effective Pixels	Thermal: 256(H) X 192(V) Optical: 2688(H) X 1520(V)
Pixel Interval	12 μm
Spectral Range	8-14 μm
Thermal Sensitivity	NETD <40mK at F1.1
Spatial Resolution	5.71 mrad
Day / Night	Yes
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.0176 lux at F2.25 (AGC on); B/W: 0 lux (IR LED on)
Mechanical IR Cut Filter	Yes

IR LED	Adaptive IR LED
IR Working Distance	15m
White LED	Yes
White LED Working Distance	30m
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, f2.1mm (Visual camera) Fixed focal, f2.2mm
Aperture	(Thermal camera) F1.0 (Visual camera) F2.25
Horizontal Viewing Angle	(Thermal camera) 90° (Visual camera) 117.8°
Vertical Viewing Angle	(Thermal camera) 65.4° (Visual camera) 70.4°

## 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
Wide Dynamic Range	Superior WDR (120 dB)
Built-in Analytics	Object Line Crossing Detection, Object Enter Area Detection, Object Exit Area Detection, Intrusion Detection (Forbidden Area Detection), Tampering Detection, Temperature Detection, Fire Detection, Smoke Detection

## 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, TLS 1.2, IEEE 802.1X
Ethernet Port	1 x Ethernet (10/100 Base-T), RJ-45 connector

## Temperature Measurement

Temperature Range	-20°C ~ 150°C (-4°F ~ 302°F)
Temperature Accuracy	±8°C (14.4°F)

## Detection Range

Triggering Analytics Event Notification	(People 1.8x0.5m) 30m (Vehicle 1.4x4.0m) 85m (Supported Analytics Events included Line Crossing Detection, Enter Area Detection and Exit Area Detection for People, Vehicle and any objects.)
Triggering Temperature Notification	(Object 0.2x0.2m) 7m (Object 1x1m) 35m

Triggering Fire Detection Event Notification	(Object 0.2x0.2m) 21.6m
Observation Range	Detection: People 88m; Vehicle 268m Recognition: People 22m; Vehicle 67m Identification: People 11m; Vehicle 34m (People: 1.8 x 0.5m) (Vehicle: 1.4 x 4.0m)

## 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 S, Profile G
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## Interface

Serial Port	1 x RS-485
Digital Input/Output	1/1

## General

Power Source	DC 12V, PoE Class 3 (IEEE802.3af)
Power Consumption	6 W (DC), 6.5 W (PoE)
Weight	950g (2.09lb)
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 (IP67)
Corrosion Protection	Optional for project request. Chassis corrosion resistance at the seashore approximately 2-3 years.
Operating Temperature	-40°C ~ 70°C (-40°F ~ 158°F)
Operating Humidity	≤95% RH, non-condensing
Real-time Clock (RTC)	Yes
Warranty	3 Year(s). For extended warranty offering, see <a href="http://www.acti.com/support/warranty">http://www.acti.com/support/warranty</a>