

A972

4MP Fire Detection Outdoor Thermal Speed Dome with D/N, Adaptive IR, Superior WDR, SLLS, Fixed Lens 32x Zoom Lens



- Fire Detection
- 4 Megapixel
- Day & Night with Superior Low Light Sensitivity and Adaptive IR LED
- Superior WDR (120dB)

► Specifications

Device

Product Type	Thermal Speed Dome
Maximum Resolution	4MP
Product Application	Overheating Detection, Fire Detection
Application Environment	Outdoor
Image Sensor	Progressive Scan CMOS + Thermal sensor
Sensor Size	Optical: 1/2.8 "
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 <35mK at F1.0
Spatial Resolution	1.2 mrad
Day / Night	Yes
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.05 lux at F1.2 (AGC on); B/W: 0 lux (IR LED on)
Mechanical IR Cut Filter	Yes

IR LED	Adaptive IR LED
IR Working Distance	100m
Electronic Shutter	1-1/100000 second (manual mode); 1-1/100000 second (auto mode)
S/N Ratio	75 dB

Lens

Focal Length	Fixed focal, f10mm (Visual camera) Zoom, f4.8-153mm
Aperture	(Thermal camera) F1.0 (Visual camera) F1.2-F4.4
Zoom Ratio	32x optical zoom
Horizontal Viewing Angle	(Thermal camera) 18.1° (Visual camera) 58.8° - 2.18°
Vertical Viewing Angle	(Thermal camera) 13.6° (Visual camera) 34.4° - 1.2°

PTZ

Manual Panning / Tilting Speed	0.1° - 200°/second, 0.1° - 105°/second
Preset Panning / Tilting Speed	240°/second, 200°/second
Panning Range	360° endless
Tilting Range	-5°~90° (with E-flip)

Video

Compression	H.265 Adaptive Stream (equivalent to Zip or Smart Stream or H.265+), H.264 Adaptive Stream (equivalent to Zip or Smart Stream or H.264+), MJPEG
Maximum Frame Rate vs. Resolution	(Visual camera) 30 fps at 2688 x 1520 30 fps at 1920 x 1080 30 fps at 1280 x 960 30 fps at 1280 x 720 (Thermal camera) 25 fps at 1280 x 720 30 fps at 704 x 576 30 fps at 640 x 512 30 fps at 256 x 192
Multi-Streaming	Simultaneous dual streams
Wide Dynamic Range	Superior WDR (120 dB)
Image Enhancement	Defogging
Digital Noise Reduction	3D DNR

Audio

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

Network

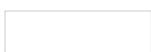
Ethernet Port	1 x Ethernet (10/100 Base-T), RJ-45 connector
---------------	---

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) 80m (Vehicle 1.4x4.0m) 240m
Triggering Temperature Notification	(Object 0.5x0.5m) 83m (Object 0.2x0.2m) 33m



Triggering Fire Detection Event Notification	(Object 2x2m) 833m (Object 1x1m) 417m
Observation Range	Detection: People 417m; Vehicle 1278m Recognition: People 104m; Vehicle 319m Identification: People 52m; Vehicle 160m

Interface

Analog Video Output	1 x BNC connector
Digital Input/Output	7/2

General

Power Source	AC 24V, DC 36V, DC 48V, High PoE
Power Consumption	30 W (PoE)
Weight	3900g (8.6lb)
Dimensions	(Ø x H): 185mm x 305mm (7.28" x 6.42")
Environmental Casing	Weatherproof (IP66)
Corrosion Protection	Ordering Number will be created upon orders.. Chassis corrosion resistance at the seashore approximately 2-3 years.
Operating Temperature	-40°C ~ 70°C (-40°F ~ 158°F)
Operating Humidity	≤70% RH, non-condensing

▶ Related Products

Power Supply Accessories - Power Adapter

PPBX-0022		Power Adapter for A951
-----------	---	------------------------

