



EOS-977-TH675A52 Gyroscopic multi-lens thermal camera

Gyroscopic multi-lens PTZ thermal camera

EOS-977-TH675A52

The EOS-977 dual-sensor HD night vision PTZ camera (single-IP smart type) is a multi-scenario smart product suitable for forest fire prevention, fisheries management and high-altitude observation. It incorporates advanced algorithms for vessel recognition and tracking, high-temperature detection and communication. Equipped with a thermal camera and a visible camera, it provides 24/7 surveillance.



- 1/1.8-inch, 2 MP daytime camera, 52x optical zoom
- 75 mm thermal camera with a resolution of 640 × 512
- High-speed 360° omnidirectional PTZ, tilt range from -50° to 90°
- Built-in heater/fan, enabling it to withstand the harshest climates
- 2-axis gyroscopic stabilisation
- Marine-grade design, IP67 waterproof, corrosion-resistant;
- ONVIF support
- Stainless steel handle and spirit level for
- and use
- Automatic tracking and optional customisable AI functions





EOS-977-TH675A52 Gyroscopic multi-lens thermal camera

■ Specifications	
Part number	EOS-977-TH675A52
Thermal imaging	
Detector	Uncooled amorphous silicon FPA
Sensor size/Pixel pitch	640 x 512 / 12 μm
Frame rate	50 Hz
Response spectra	8 to 14 μm
NETD	≤ 50 mK at 25 °C, F#1.0
Lens	75 mm
Field of view	11.7° × 9.4°
Digital zoom	1X, 2X, 4X, 8X
Brightness and contrast adjustment	Manual/Auto0/Auto1
Polarity	Warm black / Warm white
Palette	Support
Daylight camera	
Image sensor	1/1.8-inch progressive scan CMOS
Resolution	2 MP, 1920 x 1080
Minimum illumination	Colour: 0.0005 lux (F1.4, AGC on); B&W: 0.0001 lux (F1.4, AGC on)
Shutter	1/25 s to 1/100,000 s; supports delayed shutter
Aperture	PIRIS
Day/night switch	ICR cut-off filter
Digital zoom	16x
Focal length	6.1–317 mm, 52x optical zoom
Aperture range	F1.4–F4.7
Field of view (FOV)	Horizontal: 63.39–1.74° (wide angle–telephoto)
Video compression	H.264
Interface protocol	ONVIF (PROFILE G)
Pan/Tilt	
Pan range	360° (continuous)
Pan speed	0.05°/s to 250°/s
Tilt range	-50° to +90° (automatic reversal)
Tilt speed	0.05° to 150°/s
Positioning accuracy	0.1°
Zoom ratio	Support
Presets	256
Continuous scan	16
Full scan	16
Automatic induction windscreen wipers	Assistance
Intelligent analysis	
360° intelligent analysis and cruise control	Support
High temperature detection	Support
Gyroscopic stabilisation	



EOS-977-TH675A52 Gyroscopic multi-lens thermal camera

Gyroscopic stabilisation	2-axis
Stabilised frequency	≤1 Hz
Steady-state accuracy of the gyroscope	0.5°
Maximum carrier tracking speed	100°/s
Network	
Protocols	IPv4, HTTP, FTP, RTSP, DNS, NTP, RTP, TCP, UDP, IGMP, ICMP, ARP
Power-off memory	Support
Network interface	RJ45 10Base-T/100Base-TX
Compatibility	ONVIF; GB/T 28181; GA/T1400
General	
External interface	RS422
Power supply	24 V DC ±15%, 5 A
PTZ power consumption	Typical power consumption: 28 W; PTZ start-up and warm-up: 60 W; laser heating at full : 92 W
Ingress protection	IP67
EMC	Lightning protection; surge protection and
Operating temperature	-40 °C to 70 °C
Humidity	90% or less
Dimensions	326 × 441 mm (including wiper)
Weight	18 kg

■ Typical applications

Coastal surveillance and reconnaissance

Forest fire prevention

Search and rescue

Coastguard and police patrol boats

Critical infrastructure protection

Detection of oil spills and water pollution

Port and offshore platform security



EOS-977-TH675A52 Gyroscopic multi-lens thermal camera

Dimensions (i)

