OV-T67 Thermal Camera

OV-PTZ254167 THERMAL & OPTICAL BI-SPECTRUM SPEED DOME



Thermal and optical bi-spectrum network speed dome equipped with a built-in GPU, supporting intelligent perimeter protection algorithms for high-precision VCA detection and real-time alarm.

THERMAL MODULE

Image Sensor	VOx Uncooled Focal Plane Array
Resolution	640 × 512
Pixel Interval	17 μm
Response Waveband	8 μm to 14 μm
NETD	Less than 40 mK (@ 25°C, F#=1.0)
Focal Length	25 mm
Focus Mode	Athermalized
IFOV	0.68 mrad
Aperture	F1.0
Field of View	24.5° × 19.7° (H × V)
Min. Focusing Distance	13 m
Digital Zoom	×8

OPTICAL MODULE

Image Sensor	1/1.8" Progressive Scan CMOS
Resolution	2688 × 1520, 4 MP
Day & Night	IR Cut filter
Min. Illumination	Color: 0.005 Lux @ (F1.3, AGC ON); B/W: 0.001 Lux @ (F1.3, AGC ON)
Field of View	56.6° × 33.7° (H × V) ~ 1.8° × 1.0° (H × V)
Focal Length	6–240 mm, 40x
Aperture (Range)	F1.3–F4.6
Focus Mode	Auto / Semi-auto / Manual
Digital Zoom	×2, ×4, ×8, ×16
Shutter Speed	1s to 1/30,000s
WDR	120 dB
Optical Defog	Yes

IMAGE EFFECT

Picture in Picture	Display partial image of the thermal channel on the full screen of the optical channel
Target Coloration	Supported in white-hot and black-hot mode

PTZ

Movement Range	Pan: 360° continuous rotation; Tilt: -20° to +90° (auto flip)
Pan Speed	Configurable, 0.1°/s to 200°/s, preset speed 240°/s
Tilt Speed	Configurable, 0.1°/s to 105°/s, preset speed 200°/s
Proportional Zoom	Yes
Presets	300 in total, 273 configurable
Patrol Scan	8 patrols, up to 32 presets per patrol
Pattern Scan	4 patterns, more than 10 minutes per pattern
Power Off Memory	Yes
PT Status	Turn on / Turn off
Park	Preset / Pattern Scan / Patrol Scan / Auto Scan / Tilt Scan / Random Scan / Frame Scan / Panorama Scan
Scheduled Task	Preset / Pattern Scan / Patrol Scan / Auto Scan / Tilt Scan / Random Scan / Frame Scan / Panorama Scan / Dome Reboot / Dome Adjust / Aux Output

ILLUMINATOR

IR Distance	Up to 150 m
IR Intensity and Angle	Automatically adjusted

SMART FUNCTION

VCA	Supports 4 VCA rule types (line crossing, intrusion, region entrance, region exiting); up to 10 scenes and 8 VCA rules per scene
Temperature Measurement	Supports 3 temperature measurement rule types, 273 presets as scene, 21 rules per scene (10 points, 10 areas, 1 line)
Temperature Range	-20°C to 150°C (-4°F to 302°F)
Temperature Accuracy	± 8°C (±14.4°F)
Fire Detection	Dynamic fire detection, up to 10 fire points detectable
Smoke Detection	Supported
Event and Alarm	Temperature Alarm, Supports high / low / abnormal temperature alarm and temperature difference alarm

VIDEO AND AUDIO

Main Stream	Thermal channel: 50 fps (1920×1080, 1280×960, 1280×720, 704×576, 640×512, 384×288) Optical channel: 50Hz 25 fps / 60Hz 30 fps (2688×1520, 1920×1080, 1280×960, 1280×720)
Sub-stream	Thermal channel: 50 fps (704×576, 640×512, 384×288) Optical channel: 50Hz 25 fps / 60Hz 30 fps (704×576, 352×288)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264; Sub-stream: H.265/H.264/MJPEG
Audio Compression	G.711u / G.711a / G.722.1 / MP2L2 / G.726 / PCM

NETWORK

Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE

Network Storage	MicroSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS); auto network replenishment (ANR)
API	SDK, third-party management platform, ONVIF (Profile S, T, G)
Simultaneous Live View	Up to 20 channels
User / Host Level	Up to 32 users, 3 levels: Administrator, Operator, User
Security	User authentication (ID and password), MAC address binding, HTTPS encryption, IEEE 802.1x access control, IP address filtering
Web Browser	Live view (plug-in allowed): Internet Explorer 11. Live view (plug-in free) and local service: Chrome 57.0+, Firefox 52.0+

INTERFACE

Alarm Input	7-channel inputs (0–5 VDC)
Alarm Output	2-channel relay outputs, configurable alarm response actions
Alarm Action	Preset / Patrol Scan / Pattern Scan / SD card record / relay output / smart capture / FTP upload / email linkage
Audio Input	1 × 3.5 mm mic-in / line-in interface. Line input: 2–2.4 V [p-p]
Audio Output	Linear level; impedance 600 Ω
Communication Interface	1 × RJ45 10M/100M self-adaptive Ethernet interface; 1 × RS-485 interface
Analog Video Output	1.0 V [p-p] / 75 Ω

GENERAL

Web Client Language	32 languages, including English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil)
Power Supply	24V AC ±20%, 36V DC ±20%, 48V DC ±20%, Hi-PoE
Power Consumption	65 W max
Work Temperature / Humidity	-40°C to 65°C (-40°F to 149°F); humidity 95% or less
Wiper	Yes
Protection Level	IP66 standard; TVS 6000V lightning protection, surge protection and voltage transient protection
Dimension	220 × 410 × 198.6 mm (8.66" × 16.15" × 7.82")
Weight	Approx. 9 kg (19.84 lb)

DETECTION RANGE

VCA Range for Humans	200 m
VCA Range for Vehicles	750 m

RANGE TABLE

VCA Range (Vehicles: 1.4 × 4.0 m)	VCA Range (Humans: 1.8 × 0.5 m)	Temperature Measurement (Object: 2 × 2 m)	Temperature Measurement (Object: 1 × 1 m)	Fire Detection (Object: 1 × 1 m)	Smoke Detection (Object: 5 × 5 m)
750 m	200 m	1000 m	500 m	1000 m	2000m

APPROVAL		
	EMC	CE-EMC (EN 55032:2015, EN 61000-3-2:2019, EN 61000-3-3:2013+A1:2019, EN 50130-4:2011+A1:2014); RCM (AS/NZS CISPR 32:2015); IC (ICES-003 Issue 7)
	Safety	CB: IEC 62368-1:2014+A11; CE-LVD: EN 62368-1:2014/A11:2017; BIS: IS 13252 (Part 1):2010 / IEC 60950-1:2005
	Environment	CE-RoHS: 2011/65/EU; WEEE: 2012/19/EU
	Protection	IP66: IEC 60529-2013
	Anti-Corrosion Protection	C5