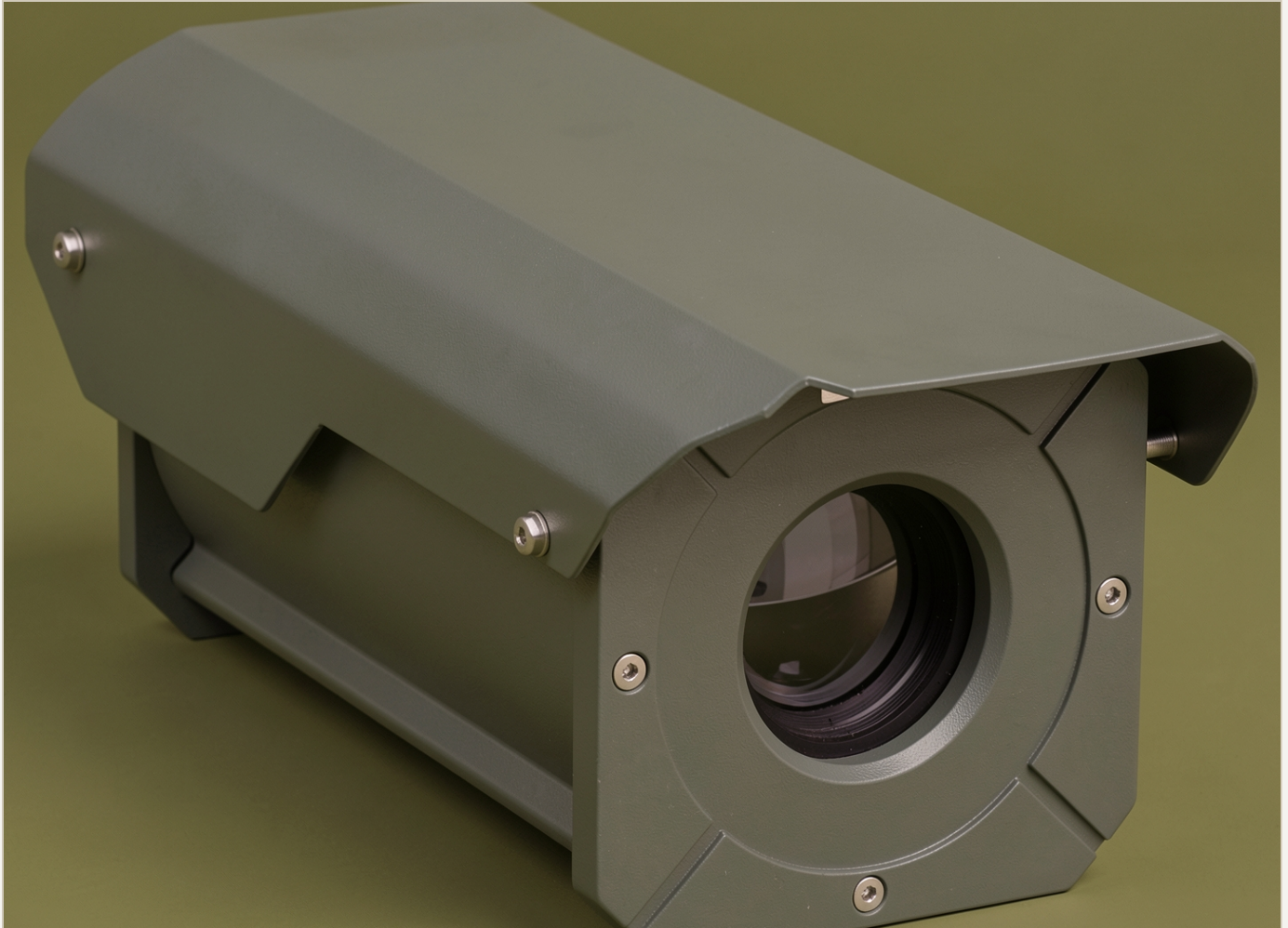




MISSION CATALOG · CB-000032

AGT-TC6307 PROFESSIONAL THERMAL IMAGING CAMERA FOR BORDER SURVEILLANCE

The AGT-TC6307 is a long-range thermal imaging PTZ camera for 24-hour border surveillance, featuring a 640×512 VOx uncooled detector, 25–...

Model AGT-TC6307

KEY BENEFITS

- Long range 24-hours monitoring
- Delicate and smooth images
- Convenient for installation and application
- 360 degree Omni-directional Pan-Tilt
- Super-strong aluminum alloy with IP66
- Higher sensitivity
- Effective in all environments
- Small size and low weight

DESCRIPTION

The AGT-TC6307 is a professional long-range thermal imaging camera designed for border surveillance and perimeter security. It features a 5th-generation VOx uncooled FPA detector with 640×512 pixel resolution (384×288 optional), NETD ≤50mK, and a 25–75mm continuous zoom lens delivering detection ranges up to 6,500m for vehicles and 2,500m for humans. Integrated into a rugged 30kg CNC PTZ with 360° pan and ±45° tilt, the system provides precise positioning, 255 presets, and multiple cruising modes. Advanced image processing includes SDE, AGC, 2× digital amplification, 10 pseudo-color palettes, and intelligent analytics such as cross-border/intrusion detection, target tracking, and shot-point/fire detection. Housed in a super-strong aluminum alloy enclosure rated IP66, the camera operates in temperatures from -25°C to +60°C (-40°C optional) and is suitable for seaports, airports, oilfields, highways, railways, ecological monitoring, and urban anti-UAV applications.

OVERVIEW

- VOx uncooled detector, 640×512 (384×288 optional)
- NETD less than 50mK (@25°C F1.0)
- SDE digital image processing, AGC, 2X digital amplification
- 10 pseudo color and B/W, B/W inverse
- Intelligent functions: cross-border/intrusion detection and target tracking
- 255 level alarm threshold can be setup
- Advanced algorithm support shot-point/fire detection and alert
- One integral aluminum alloy housing, waterproof, IP66 weatherproof, anti-dust

APPLICATIONS

- Seaport and airport monitoring
- Water system monitoring
- Storage monitoring
- Base security monitoring
- Oilfield & oil depot security
- Fire source prevention & monitoring
- Ecological and environmental monitoring
- Border and coastal defense
- Urban security and anti-UAV applications
- Highways and railways monitoring

TECHNICAL SPECIFICATION

THERMAL	
NETD	50mK (@25°C F1.0)
LENS	
Focal length	25 - 75mm
OPTICAL	
IFOV	0.68 - 0.22mrad
Field of view	24°x18° - 8°x6°
DETECTION	
Vehicle range	6500m
Human range	2500m
IDENTIFICATION	
Vehicle range	1800m
Human range	700m
PTZ	
Load capacity	30kg
Mechanism	CNC PT
Pan range	0~360°
Tilt range	-45°~+45°
Pan speed	0.01°~60°/S
Tilt speed	0.01°/S ~30°/S
Accuracy	±0.1°
Presets	255
Lens zooming preset	Supported
Focusing preset	Supported

TECHNICAL SPECIFICATION

PTZ	
Cruising lines	6
Apple-skin scanning	1
Line cruising	1
ENHANCEMENTS	
Image processing	SDE digital image processing
AGC	Supported
Digital amplification	2X
Pseudo color modes	10
B/W	Supported
B/W inverse	Supported
Cross-border detection	Supported
Intrusion detection	Supported
Target tracking	Supported
Alarm threshold levels	255
Shot-point detection	Supported
Fire detection and alert	Supported
NETWORK	
Network interface	RJ45.10, 10/100 Base-T adaptive
Video output	RS422/485 integrated
TCP/IP	Supported

TECHNICAL SPECIFICATION

NETWORK	
UDP	Supported
IPv4/v6	Supported
HTTP	Supported
RTP	Supported
RTSP	Supported
NFS	Supported
DHCP	Supported
NTP	Supported
SMTP	Supported
SNMP	v1/v2c/v3
UPnP	Supported
PPPoE	Supported
DNS	Supported
FTP	Supported
PSIA	Supported
ONVIF	2.0
GB28181	Supported
ENVIRONMENT	
Operating temperature	-25°C~+60°C

TECHNICAL SPECIFICATION

ENVIRONMENT	
Optional operating temperature	-40°C
Storage temperature	-45°C~70°C
Protection level	IP66
POWER	
Power supply	AC/DC24V
Anti-reverse connection protection	Supported
CONSUMPTION	
Total consumption	180W
WEIGHT	
Total weight	≤25kg (include PTZ)

COMMERCIAL TECHNICAL DATA

DATASHEET · EN

DOCUMENT CONTROL SHEET

ISSUING AUTHORITY

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BRAND	Circuitbull®
PARENT ORGANIZATION	Volls Global · volls.us

MATRIX CODES · SCAN TO OPEN

01	02	03	04
			
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