



MISSION CATALOG · CB-000035

AGT-TC6519 IR HIGH SPEED THERMAL IMAGING CAMERA FOR BUILDING INSPECTION

The AGT-TC6519 is a long-range, high-speed thermal PTZ camera built around a 640×512 VOx uncooled detector with 38–190mm continuous zoom,...

Model AGT-TC6519

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-TC6519 combines a 5th-generation FPA VOx uncooled thermal detector with SDE digital image processing, AGC, and 2× digital amplification to deliver smooth thermal imagery in daylight, darkness, and adverse weather. Its 38–190mm motorized lens provides a narrow 3.5°×2.6° field of view at the telephoto end for long-range target observation, while the integrated 30 kg-duty CNC PTZ supports 360° pan, ±45° tilt, and speeds up to 60°/s with ±0.1° accuracy. The camera includes intelligent functions such as cross-border/intrusion detection, target tracking, and shot-point/fire detection with configurable 255-level alarm thresholds. Ten pseudo-color palettes plus B/W and B/W inverse modes aid scene interpretation, and 255 presets with zoom/focus recall streamline automated patrols via six cruising lines, apple-skin scanning, and line-cruising modes. Housed in a one-piece aluminum alloy enclosure rated IP66, the AGT-TC6519 operates from -25°C to +60°C (optional -40°C) and accepts AC/DC 24 V power with anti-reverse protection. Network connectivity is provided through a 10/100 Base-T RJ45 interface with RS422/485 integration and support for ONVIF, GB28181, PSIA, and standard TCP/IP/RTSP protocols.

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

OPTICAL	
Field of view	17.6°x13.2° - 3.5°x2.6°
DETECTION	
Vehicle range	16400m
Human range	5800m
IDENTIFICATION	
Vehicle range	4200m
Human range	1600m
PTZ	
Duty	30kg 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
Preset features	lens zooming and focusing preset
Cruising lines	6
Apple-skin scanning	1
Line-cruising	1
INTERFACE	
Interface type	RJ45.10
Network speed	10/100 Base-T adaptive

TECHNICAL SPECIFICATION

INTERFACE	
Integrated video output	RS422/485
NETWORK	
Transport protocols	TCP/IP, UDP, IPv4/v6
Application protocols	HTTP, RTP, RTSP, NFS, DHCP, NTP, SMTP, SNMPv1/v2c/v3, UPNP, PPPoE, DNS, FTP
Standards / compliance	PSIA, ONVIF2.0, GB28181
ENVIRONMENT	
Operating temperature	-25°C~+60°C (-40°C optional)
Storage temperature	-45°C~70°C
Protection level	IP66
POWER	
Power supply	AC/DC24V
Protection	anti-reverse connection protection
CONSUMPTION	
Total consumption	180W
WEIGHT	
Total weight	≤25kg (include PTZ)
ENHANCEMENTS	
Image processing	SDE digital image processing
AGC	Supported
Digital amplification	2X
Pseudo color count	10
Monochrome	B/W
Monochrome inverse	B/W inverse
Cross-border detection	Supported

TECHNICAL SPECIFICATION

ENHANCEMENTS	
Intrusion detection	Supported
Target tracking	Supported
Alarm threshold levels	255
Shot-point detection	Supported
Fire detection	Supported
Monitoring capability	Long range 24-hours monitoring
Image quality	Delicate and smooth images
Installation	Convenient for installation and application
Environmental effectiveness	Effective in all environments
APPLICATIONS	
Seaport and airport monitoring	Supported
Water system monitoring	Supported
Storage monitoring	Supported
China base security monitoring	Supported
Oilfield & oil depot security	Supported
Fire source prevention & monitoring	Supported
Ecological and environmental monitoring	Supported
Border and coastal defense	Supported
Urban security and anti-UAV applications	Supported

TECHNICAL SPECIFICATION

APPLICATIONS	
Highways and railways monitoring	Supported

COMMERCIAL TECHNICAL DATA

DATASHEET · EN

DOCUMENT CONTROL SHEET

ISSUING AUTHORITY

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MATRIX CODES · SCAN TO OPEN

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