



MISSION CATALOG · CB-000014

AGT-KMS4200 HIGH TEMPERATURE IR THERMAL IMAGING CAMERA

The AGT-KMS4200 is a dual-spectrum thermal and visible-light imaging camera with high-temperature measurement, fire alarm, tripwire/intru...

Model AGT-KMS4200

KEY BENEFITS

- 5th-generation small-size UFPA thermal sensor
- NETD ≤ 50 mK preserves imaging detail in fog, rain, and snow
- Athermal optical lens and high-precision optomechanical design for stable image quality
- Non-uniform image correction technology with no TEC required, delivering good uniformity and dynamic range
- Built-in fire alarm and 1/1 alarm input/output
- Tripwire and moving-object analytics
- IP67-rated housing for severe environments

Quoted & supported by Circuitbull® (Volts Global Inc)

DESCRIPTION

The AGT-KMS4200 combines a 5th-generation UFPA thermal sensor with a 5 MP visible-light CMOS camera to deliver continuous monitoring and accurate temperature measurement from -20 °C up to +550 °C. Its athermal 13 mm lens provides a 28.2° × 21.3° thermal field of view, while the visible camera uses an 8 mm lens for a 36° × 20° angle of view, enabling reliable detection in low-light and no-light conditions. Built for outdoor and industrial deployment, the camera features non-uniform image correction without TEC, IP67-rated aluminum-alloy housing, and operating temperatures from -40 °C to +60 °C. Integrated intelligent video analytics include fire alarm, cold/hot spot trace, object classification, tripwire, and intrusion detection, with alarm and audio I/O for local event response. Network connectivity is provided through a 10/100Base-T RJ-45 interface with ONVIF Profile S & G interoperability, broad protocol support, and compatibility with Smart PSS/DSS management software, Android/iOS mobile clients, and major web browsers.

OVERVIEW

- Dual-spectrum camera integrating 384 × 288 thermal imaging with 5 MP visible-light imaging
- Temperature measurement ranges: -20 °C to +120 °C and -20 °C to +550 °C with ±2 °C accuracy
- Thermal field of view 28.2° × 21.3° via f13 mm athermal lens; visible angle of view 36° × 20° via f8 mm lens
- Network video output over RJ-45 with ONVIF Profile S & G and API support
- DC 12V power supply, max 15 W consumption, aluminum-alloy IP67 housing

APPLICATIONS

- Substations and chemical plants
- Railway stations
- Passenger stations
- Subway stations
- Airports

TECHNICAL SPECIFICATION

THERMAL	
Temperature Measurement Range (High)	-20 °C ~ +550 °C
Temperature Measurement Accuracy	±2 °C
VISIBLE	
Image Sensor	1/2.8" CMOS
Effective Pixels	5 MP
Resolution	2592 × 1944
Min Illumination (Color)	0.001 Lux
Min Illumination (B/W)	0.0001 Lux
Min Illumination (IR On)	0 Lux
IR On/Off Control	Auto / Manual
Angle of View	36° × 20°
Focal Length	8 mm
ENHANCEMENTS	
Fire Alarm	Supported
Cold/Hot Spot Trace	Supported
Object Classification	Supported
Tripwire	Supported
Intrusion	Supported
NETWORK	
Ethernet	RJ-45 (10/100Base-T)
HTTP	Supported

TECHNICAL SPECIFICATION

NETWORK	
TCP	Supported
ARP	Supported
RTSP	Supported
RTP	Supported
UDP	Supported
RTCP	Supported
SMTP	Supported
FTP	Supported
DHCP	Supported
DNS	Supported
DDNS	Supported
PPPoE	Supported
IPv4/v6	Supported
SNMP	Supported
QoS	Supported
UPnP	Supported
NTP	Supported
ONVIF	Profile S & G

TECHNICAL SPECIFICATION

NETWORK	
API	Supported
Web Viewer IE	IE8+
Web Viewer Chrome	Chrome <42
Web Viewer Firefox	Firefox <42
Web Viewer Safari	Safari <10
Management Software Smart PSS	Supported
Management Software DSS	Supported
Mobile Support Android	Supported
Mobile Support iOS	Supported
INTERFACE	
Video Interface	1 × RJ45
Audio Interface	1 In / 1 Out
RS485	Support
Alarm I/O	1 In / 1 Out
POWER	
Power Supply	DC 12V
CONSUMPTION	
Power Consumption	Max 15 W
ENVIRONMENT	
Operating Temperature	-40 °C ~ +60 °C
HOUSING	
Housing Material	Aluminum alloy
Protection Rating	IP67

TECHNICAL SPECIFICATION

WEIGHT	
Net Weight	1.7 kg

COMMERCIAL TECHNICAL DATA

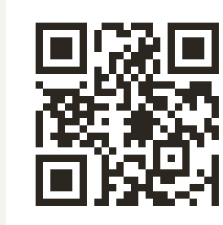
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