



MISSION CATALOG · CB-000030

AGT-MTC4102 THERMAL IMAGING HANDHELD CAMERA

The AGT-MTC4102 is a lightweight handheld thermal camera featuring a 384×288 5th-generation UFPA sensor, 20mm lens, 2× digital zoom, and...

Model AGT-MTC4102

KEY BENEFITS

- Designed for mobile observation with low weight and low power consumption
- Aluminum alloy housing with IP66 weatherproof rating, anti-rain and anti-dust
- 5th generation uncooled thermal sensor
- NETD up to 50mk for higher sensitivity with minimal effect from rain, fog, and snow, delivering more delicate images
- SDE image detail enhancement technology with no noise, B/W and B/W inverse color modes

DESCRIPTION

The AGT-MTC4102 handheld thermal imaging camera is built for mobile observation in demanding outdoor environments. It combines a 5th-generation uncooled UFPA sensor with 384×288 resolution and a 20mm lens to deliver clear thermal imagery with a 28°×21° field of view. The camera offers hot-white and hot-black color modes, SDE image detail enhancement, and a fast <3s startup time, all housed in a rugged IP66-rated aluminum alloy enclosure.

OVERVIEW

- Handheld thermal imager optimized for mobile wildlife observation and outdoor security
- 5th-generation uncooled UFPA sensor with NETD up to 50mk for high sensitivity in adverse weather
- Lightweight 400g aluminum alloy body with IP66 weatherproofing
- Long battery life with 3000mAh lithium battery, >7 hours continuous operation without recording

APPLICATIONS

- Outdoor hunting
- City safety
- Oilfield safety
- Railway security
- Night evidence gathering

TECHNICAL SPECIFICATION

GENERAL	
Product Name	AGT-MTC4102 Thermal Imaging Handheld Camera
Model	AGT-MTC4102
SMARTID	Cb-000030
Startup Time	<3s
Applications	Outdoor Hunting, City safety, oilfield safety, railway security, night gathering evidence
HOUSING	
Material	Aluminum alloy
Sealing / IP Rating	IP66
Protection	Anti-rain, anti-dust
THERMAL	
Sensor	5th generation UFPA
Resolution	384×288
Wavelength	8~14μm
NETD	Up to 50mk

TECHNICAL SPECIFICATION

THERMAL	
Digital Zoom	2x
Color Mode	Hot-white/Hot-black
OPTICAL	
Lens	20mm
Field of View	28°×21°
ENHANCEMENTS	
Image Detail Enhancement	SDE image detail enhancement
Noise	No noise
Color Mode	B/W and B/W inverse color mode
DETECTION	
Vehicle Range	1500m
Human Range	520m
IDENTIFICATION	
Vehicle Range	380m
Human Range	180m
POWER	
Battery Type	Lithium battery 25500
Battery Capacity	3000mAh
CONSUMPTION	
Power Consumption	<1W (video time)
Working Time Without Recording	>7 hours
Working Time With Recording	>5 hours
INTERFACE	
Type	Video output
ENVIRONMENT	
Weatherproof	IP66

TECHNICAL SPECIFICATION

ENVIRONMENT

Humidity	5%~95% (non-condensing)
Storage Temperature	-40°C~+70°C
Operating Temperature	-10°C~+50°C

COMMERCIAL TECHNICAL DATA

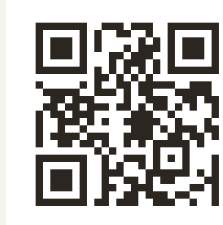
DATASHEET · EN

DOCUMENT CONTROL SHEET

ISSUING AUTHORITY

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PARENT ORGANIZATION	Volls Global · volls.us

MATRIX CODES · SCAN TO OPEN

01	02	03	04
			
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