



MISSION CATALOG · CB-000024

AGT-CTC63066 OUTDOOR COOLED THERMAL IMAGING CAMERA FOR FOREST FIRE

The AGT-CTC63066 is an outdoor cooled MWIR thermal imaging camera with 640×512 resolution, 20mK NETD, and 30–660mm continuous zoom for lo...

Model AGT-CTC63066

KEY BENEFITS

- 20mK NETD ensures premium thermal image quality
- Unique athermalized DOE continuous optical zoom and 3CAM high-precision mechanical engineering
- Superb inhomogeneous correction ensures crisp thermal image
- SDE image enhancement
- Aluminum alloy enclosure, IP66 rated

DESCRIPTION

The AGT-CTC63066 is a long-range outdoor cooled thermal imaging camera designed for continuous 24-hour surveillance in demanding environments. Built around a 640×512 FPA MCT detector cooled by a Stirling cryocooler, it delivers 20mK thermal sensitivity across the 3.7–4.8µm MWIR band. The 30–660mm continuous zoom F4 lens provides extended detection and identification ranges for vehicles and personnel, while 3CAM high-precision optomechanical design and SDE image enhancement ensure stable, crisp imagery. The camera features motorized zoom with auto focus, digital zoom up to 4×, multiple polarity modes, AGC, and shutter/background correction. Housed in a sealed aluminum alloy enclosure rated IP66, it operates from -40°C to +60°C and consumes 23W typical (30W peak). Control is available via RS485/RS232 with PELCO-D protocol, with PAL/NTSC video output, OSD menu, and DC24V power through a waterproof aviation connector. Suitable for forest fire prevention, border defense, critical infrastructure, and anti-UAV applications, the compact, low-weight unit integrates easily with pan-tilt systems for 360-degree omnidirectional monitoring.

OVERVIEW

- Long-range 24-hour monitoring
- Delicate and smooth images
- Convenient for installation and application
- 360-degree omnidirectional pan-tilt
- Super-strong aluminum alloy with IP66
- Higher sensitivity
- Effective in all environments
- Small size and low weight

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

IMAGE PROCESSING	
Brightness and contrast	AGC, adjustable
Digital zoom	2X, 4X
Cross	display
Correction	Shutter/Background
ENVIRONMENT	
Enclosure	aluminum alloy, sealed
Working temp	-40°C~+60°C
Storage temp	-45°C~+70°C
Ingress protection	IP66
Power consumption	23W(normal), 30W(peak)
INTERFACE	
Control	RS485/RS232(PELCO D, baud rate:2400bps/s)
Menu	OSD
Video	PAL/NTSC
Power supply	DC24V
Connector	waterproof aviation connector

COMMERCIAL TECHNICAL DATA

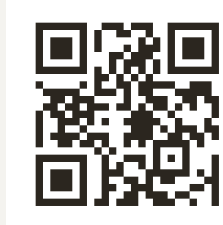
DATASHEET · EN

DOCUMENT CONTROL SHEET

ISSUING AUTHORITY

ORGANIZATION	Volls Global Inc
REGISTERED OFFICE	1207 Delaware Ave #5352
LOCALITY	Wilmington, DE 19806
COUNTRY	United States
POINT OF CONTACT	info@circuitbull.com
BRAND	Circuitbull®
PARENT ORGANIZATION	Volls Global · volls.us

MATRIX CODES · SCAN TO OPEN

01	02	03	04
			
THIS PRODUCT circuitbull.com/.../ agt-ctc63066-44948041	REGISTERED ADDRESS 1207 Delaware Ave #5352	MAIN WEBSITE circuitbull.com	VOLLS GLOBAL volls.us

DISTRIBUTION STATEMENT

Uncontrolled when printed. Verify the current revision at the product address before procurement or use. This sheet identifies the issuing organization and the digital addresses for this document.