



MISSION CATALOG · CB-000008

AGT-CTC64080 COOLED THERMAL IMAGING CAMERA FOR FOREST FIRE

The AGT-CTC64080 is a cooled MWIR thermal imaging camera built for long-range forest fire detection and 24-hour surveillance, featuring a...

Model AGT-CTC64080

KEY BENEFITS

- 20 mK NETD ensures premium thermal image quality
- Unique AS+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-CTC64080 is a cooled MWIR thermal imaging camera engineered for long-range forest fire detection and continuous perimeter monitoring. It combines a 640×512 FPA MCT detector with a Stirling cryocooler to deliver high-sensitivity thermal imagery through a 40–800 mm continuous zoom F4 lens. The system integrates 3CAM high-precision optomechanical design, SDE image enhancement, automatic gain control, and multiple polarity/color modes to maintain clear imagery across varying conditions. Its rugged sealed aluminum alloy enclosure is rated IP66 and operates over a wide temperature range, making it suitable for harsh outdoor surveillance installations.

OVERVIEW

- Long range 24-hour 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

APPLICATIONS

- Seaport and airport monitoring
- Water system monitoring
- Storage monitoring
- Base security monitoring
- Oilfield and oil depot security
- Fire source prevention and 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

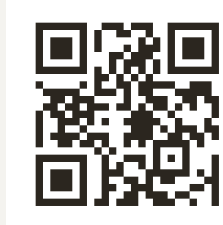
DATASHEET · EN

DOCUMENT CONTROL SHEET

ISSUING AUTHORITY

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MATRIX CODES · SCAN TO OPEN

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