



MISSION CATALOG · CB-000006

AGT-CTC690110 HD COOLED THERMAL IMAGING CAMERA FOR FOREST FIRE

The AGT-CTC690110 is a long-range MWIR cooled thermal imaging camera with continuous optical zoom, designed for 24-hour forest fire preve...

Model AGT-CTC690110

KEY BENEFITS

- 20mK NETD ensures premium thermal image
- 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-CTC690110 is a high-definition cooled thermal imaging camera built for long-range forest fire detection and continuous surveillance. It employs a 640×512 FPA MCT detector cooled by a Stirling cryocooler, paired with a 90–1100 mm continuous zoom F5.5 lens operating in the 3.7–4.8 μm MWIR spectral band. Advanced image processing includes SDE enhancement, white/black hot palettes, AGC brightness/contrast control, 2×/4× digital zoom, cross display, and shutter/background correction. Engineered for harsh outdoor environments, the camera features a sealed aluminum alloy enclosure rated IP66, stable operation from -40 °C to +60 °C, and storage from -45 °C to +70 °C. Power consumption is 23 W typical and 30 W peak. Control and video interfaces include RS485/RS232 PELCO-D, OSD menu, PAL/NTSC video output, DC24V power, and waterproof aviation connectors.

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	
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

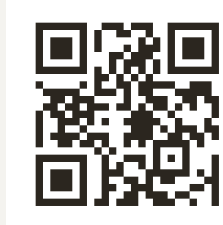
DATASHEET · EN

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ISSUING AUTHORITY

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MATRIX CODES · SCAN TO OPEN

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