



MISSION CATALOG · CB-000060

AGT-CTC64080 COOLED SENSOR LONG RANGE INFRARED THERMOGRAPHY CAMERA

The AGT-CTC64080 is a long-range cooled MWIR thermal camera with 640×512 resolution, 40–800mm continuous zoom, and ≤20mK NETD, housed in...

Model AGT-CTC64080

KEY BENEFITS

- Developed on latest cooled IR technology with high NETD and advanced digital image processing for crisp thermal images
- 20X optical zoom lens supports ultra-long-range detection up to 55km for ship targets
- Integral aluminum alloy housing ensures reliable outdoor operation
- 360-degree PT enables 24-hour real-time monitoring
- IP66 weatherproof rating protects against dust and water in tough conditions

DESCRIPTION

The AGT-CTC64080 cooled sensor long-range infrared thermography camera integrates a 640×512 MWIR cooled focal plane array detector with a Stirling cryocooler and a 40–800mm continuous optical zoom lens. It delivers $\leq 20\text{mK}$ NETD thermal sensitivity across the 3.7–4.8 μm spectral range, producing crisp images in fog, rain, or snow. The system features electronic image stabilization, SDE digital image processing, 16 pseudo-color palettes, strong-light protection, and a rugged IP66 aluminum alloy PTZ housing for continuous outdoor monitoring.

OVERVIEW

- NETD $\leq 20\text{mK}$ enhances imaging details even in foggy, rainy, or snowy weather
- Special AS optical zooming lens and 3CAM high-precision optomechanical structure
- WZ non-uniform image correction technology provides good image uniformity and dynamic range
- SDE digital image processing with no image noise and 16 pseudo-color options
- Life index recording tracks working time, shutter count, ambient temperature, and core device temperature
- Multi-configuration scene modes adapt to different environments

APPLICATIONS

- Seaport and airport monitoring
- Water system monitoring
- Storage monitoring
- Oilfield and oil depot security
- Ecological and environmental monitoring
- Border and coastal defense
- Highways and railways monitoring

TECHNICAL SPECIFICATION

ENVIRONMENT	
Operating Temperature	-25°C~+55°C (-40°C optional)
Storage Temperature	-35°C~+75°C
Humidity	<90%
Ingress Protection	IP66
VEHICLE DRI (2.3×2.3M)	
Detection	20km
Recognition	13km
Identification	7km
HUMAN DRI (1.8×0.6M)	
Detection	15km
Recognition	8km
Identification	4km
SHIP DRI (20×5M)	
Detection	55km
Recognition	40km
Identification	20km
PTZ	
PTZ Load Ability	50kg
TRACKING	
Preset	255
INTERFACE	
Ethernet/Interface	RS-485 (PELCO D protocol, baud rate 2400bps), RS-232 (option), RJ45
Video Output	PAL/NTSC

COMMERCIAL TECHNICAL DATA

DATASHEET · EN

DOCUMENT CONTROL SHEET

ISSUING AUTHORITY

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MATRIX CODES · SCAN TO OPEN

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