



MISSION CATALOG · CB-000055

AGT-CTC64080 COOLED PTZ THERMAL IMAGING CAMERA

Long-range cooled MWIR PTZ thermal camera with 640×512 resolution, 40–800mm continuous zoom, and 20mK NETD for 24-hour forest fire preven...

Model AGT-CTC64080

KEY BENEFITS

- 20mK 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 PTZ thermal imaging camera built around a 640×512 FPA MCT detector and Stirling cryocooler, delivering 20mK thermal sensitivity in the 3.7–4.8μm MWIR band. Its 40–800mm continuous zoom lens, 3CAM high-precision optomechanical design, and SDE image enhancement provide crisp imagery for long-range detection and identification of targets including tanks out to 20km and humans out to 15km. Housed in a sealed aluminum alloy enclosure rated IP66, the system operates from -40°C to +60°C and integrates RS485/RS232 control, OSD menu, and PAL/NTSC video output for demanding surveillance applications.

OVERVIEW

- Long range 24-hours 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

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

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