



MISSIONSKATALOG · CB-000031

# AGT-TC61030 LONG RANGE INFRARED THERMAL IMAGING CAMERA FOR TRAFFIC

**Langstrecken-Thermalkamera mit 10× Zoom  
für durchgängige Verkehrs- und  
Perimeterüberwachung**

Modell AGT-TC61030

## WICHTIGSTE VORTEILE

- Latest uncooled IR technology with continuous IR optical zoom
- 640×512 resolution with advanced digital circuit and image processing algorithm
- 10× optical zoom lens with 18 km detection distance for seeking and watching
- Integral aluminum alloy housing with IP66 sealing for harsh outdoor conditions
- Penetrates fog, dirt, rain, and snow for 24-hour imaging

## BESCHREIBUNG

Die AGT-TC61030 ist eine Langstrecken-Wärmebildkamera für den 24-Stunden-Betrieb im Verkehrs- und Perimeterbereich. Sie basiert auf modernster ungekühlter IR-Technologie mit einem 640×512 VOx-Detektor und einem kontinuierlichen 10× IR-Optikzoom von 30–300 mm. Die fortschrittliche digitale Bildverarbeitung liefert kontrastreiche Thermaldetails, während der motorisierte Zoom Erkennungsdistancen von bis zu 18 km ermöglicht. Das integral wasserdichte Aluminiumgehäuse nach IP66 schützt zuverlässig vor Staub, Regen, Schnee und Nebel und gewährleistet so stabile Leistung unter rauen Außenbedingungen.

## ÜBERBLICK

- NETD 50 mK enhances imaging details in foggy, rainy, or snowy weather
- Unique AS+DOE optical design and 3CAM high-precision optomechanical design for large-scale seeking and long-distance watching
- Non-uniform image correction technology with stable working temperature and no TEC, delivering good image uniformity and dynamic range
- SDE digital image processing with low noise, 10 pseudo-color palettes, and B/W switch
- Digital control PT with 360° continuous rotation, no dead corners, stable operation, and small dithering
- Integral aluminum alloy housing with IP66 weatherproof, waterproof, and anti-dust protection

## ANWENDUNGEN

- Oilfield safety
- Railway and freeway security
- River and airport security
- Forest fire prevention
- City safety

## TECHNISCHE DATEN

| LENS                     |                                       |
|--------------------------|---------------------------------------|
| Auto focus               | Optional                              |
| Optical design           | AS+DOE advanced optical design        |
| Precision design         | 3CAM high precision design            |
| THERMAL IMAGE PROCESSING |                                       |
| Startup time             | <4 s                                  |
| Image processing         | SDE digital image processing          |
| Pseudo color modes       | 10 pseudo color and B/W, B/W inverse  |
| AGC                      | AGC                                   |
| Digital amplification    | 1~8×                                  |
| HOUSING                  |                                       |
| Material                 | Aluminum alloy                        |
| Structure                | Integral single window design         |
| Surface coating          | PTA coating, anti sea water corrosion |
| Sealing / IP rating      | IP66                                  |
| Temperature controller   | Built-in                              |
| Connector                | Aviation waterproof connector         |
| PTZ (OPTIONAL)           |                                       |
| Load capacity            | 50 kg digital PT                      |
| Pan range                | 0~360°                                |
| Tilt range               | -45°~+45°                             |
| Speed                    | 0.01~30°/S                            |

## TECHNISCHE DATEN

| PTZ (OPTIONAL)    |                                                   |
|-------------------|---------------------------------------------------|
| Speed control     | High precision variable speed control and locking |
| Presets           | 80                                                |
| Preset memory     | Lens zoom and focus memory                        |
| Scanning speed    | 0~30°/S                                           |
| Scanning function | Apple peel scanning function                      |
| Protocols         | Pelco-P, Pelco-D                                  |
| Baud rates        | 2400/4800/9600/19200 bps optional                 |
| POWER CONSUMPTION |                                                   |
| Minimum power     | 40 W (PT included)                                |
| Maximum power     | 120 W (PT included)                               |
| WEIGHT            |                                                   |
| Total weight      | ≤40 kg (PT included)                              |
| INTERFACE         |                                                   |
| RS-485            | RS-485                                            |
| RS-485 protocol   | PELCO D                                           |
| RS-485 baud rate  | 2400 bps                                          |
| RS-232            | Optional                                          |
| Remote OSD        | Remote OSD setting                                |
| Video output      | PAL/NTSC                                          |
| Power input       | AC24V (DC12V option)                              |
| Connector         | Waterproof connector                              |

## TECHNISCHE DATEN

| ENVIRONMENT           |                                                     |
|-----------------------|-----------------------------------------------------|
| Operating temperature | -25°C~+55°C (-40°C optional)                        |
| Storage temperature   | -35°C~+75°C                                         |
| Humidity              | <90%                                                |
| Anti-shock            | 0.2g (GB/T15211—2013 5.4 harshest level 2 standard) |
| Anti-resistance       | 15g (GB/T15211—2013 5.3 harshest level 3 standard)  |
| Anti-salt corrosion   | PH6.5~7.2, continuous spraying 48 hours             |
| Protection rate       | IP66                                                |
| DETECTION             |                                                     |
| Detection distance    | 18 km                                               |

## KOMMERZIELLE TECHNISCHE DATEN

DATENBLATT · DE

## DOKUMENTENKONTROLLBLATT

## HERAUSGEBENDE STELLE

|                    |                         |
|--------------------|-------------------------|
| ORGANISATION       | Volls Global Inc        |
| EINGETRAGENER SITZ | 1207 Delaware Ave #5352 |
| ORT                | Wilmington, DE 19806    |
| LAND               | Vereinigte Staaten      |
| ANSPRECHSTELLE     | info@circuitbull.com    |
| MARKE              | Circuitbull®            |
| DACHORGANISATION   | Volls Global · volls.us |

## MATRIXCODES · ZUM ÖFFNEN SCANNEN

|                                                                                    |                                                                                    |                                                                                     |                                                                                      |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 01                                                                                 | 02                                                                                 | 03                                                                                  | 04                                                                                   |
|  |  |  |  |
| <b>DIESES PRODUKT</b><br>circuitbull.com/.../<br>agt-tc61030-46311181              | <b>EINGETRAGENE ANSCHRIFT</b><br>1207 Delaware Ave #5352                           | <b>HAUPTWEBSITE</b><br>circuitbull.com                                              | <b>VOLLS GLOBAL</b><br>volls.us                                                      |

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