



MISSION CATALOG · CB-000001

## AGT-KMS6300-35 MULTI SENSOR THERMAL BULLET CAMERA

The AGT-KMS6300-35 is a multi-sensor thermal bullet camera integrating a 640×512 VOx thermal imager, 2 MP visible CMOS, IR illuminator, a...

Model AGT-KMS6300-35

### KEY BENEFITS

- Sixth-generation uncooled focal plane VOx detector
- AS optical zooming lens and high-precision optomechanical design for high image quality
- Integrates infrared thermal imaging, HD visible light, IR illuminator, intelligent analytics, and audio-visual alarm in one compact unit
- Full-HD color/black-and-white dual-mode low-light CMOS sensor in a compact, lightweight package
- Non-uniform image correction technology with stable operational temperature and no TEC, delivering good uniformity and dynamic range
- Fire alarm function with built-in 1/1 alarm input/output
- Tripwire analytics and moving-object analytics
- IP67-rated for severe environments

Quoted & supported by Circuitbull® (Volls Global Inc)

## DESCRIPTION

The AGT-KMS6300-35 Multi Sensor Thermal Bullet Camera combines a sixth-generation uncooled VOx thermal imager with a full-HD visible-light CMOS sensor, IR illuminator, and intelligent analytics in a compact aluminum-alloy housing. The thermal channel delivers 640×512 resolution with 12 µm pixels, ≤40 mK NETD sensitivity, and a 35 mm lens, while the visible channel provides 2 MP (1920×1080) imaging with low-light performance down to 0.0001 lux and IR illumination beyond 90 m. Built-in video analytics include fire alarm, cold/hot spot trace, tripwire, intrusion, entry/exit detection, and object clarification, supported by 1/1 alarm input/output and RS-485 control. The camera offers H.264/H.265 compression, 10/100 Ethernet, broad protocol support, ONVIF Profile S & G interoperability, and IP67-rated environmental protection for reliable operation from -40 °C to +60 °C.

## OVERVIEW

- Multi-sensor platform combining thermal, visible, IR illumination, intelligent analytics, and alarm I/O
- 640×512 thermal resolution with 35 mm lens and ≤40 mK NETD
- 2 MP visible imaging with 0.0001 lux low-light sensitivity
- H.264/H.265 video compression with 10/100 Ethernet and ONVIF Profile S & G interoperability
- Rugged aluminum-alloy IP67 housing rated for -40 °C to +60 °C operation

## APPLICATIONS

- Substations and chemical plants
- Railway stations
- Passenger stations
- Subway stations
- Airports

**TECHNICAL SPECIFICATION**

| THERMAL                   |                              |
|---------------------------|------------------------------|
| Cooling                   | Without TEC                  |
| Image Correction          | Non-uniform image correction |
| VISIBLE                   |                              |
| Image Sensor              | 1/2.8" CMOS                  |
| Effective Pixels          | 2 MP                         |
| Resolution                | 1920 × 1080                  |
| Min. Illumination (Color) | 0.0001 Lux                   |
| Min. Illumination (B/W)   | 0.0001 Lux                   |
| Min. Illumination (IR On) | 0 Lux (IR on)                |
| Horizontal Angle of View  | 36°                          |
| Vertical Angle of View    | 20°                          |
| Focal Length              | 8 mm                         |
| IR                        |                              |
| IR On/Off Control         | Auto / Manual                |
| IR Illumination Range     | ≥ 90 m                       |
| DETECTION                 |                              |
| Vehicle                   | 1,200 m (2.3 m × 2.3 m)      |
| Human                     | 600 m (1.8 m × 0.6 m)        |
| RECOGNITION               |                              |
| Vehicle                   | 600 m (2.3 m × 2.3 m)        |
| Human                     | 400 m (1.8 m × 0.6 m)        |
| ENHANCEMENTS              |                              |
| Fire Alarm                | Supported                    |

## TECHNICAL SPECIFICATION

| ENHANCEMENTS            |                      |
|-------------------------|----------------------|
| Cold/Hot Spot Trace     | Supported            |
| Object Clarification    | Supported            |
| Tripwire                | Supported            |
| Intrusion               | Supported            |
| Entry/Exit Detection    | Supported            |
| Moving Object Analytics | Supported            |
| NETWORK                 |                      |
| Ethernet                | RJ-45 (10/100Base-T) |
| ONVIF Profile S         | Supported            |
| ONVIF Profile G         | Supported            |
| API                     | Supported            |
| Internet Explorer       | IE8+                 |
| Chrome                  | Chrome 42+           |
| Firefox                 | Firefox 42+          |
| Safari                  | Safari 10+           |
| Smart PSS               | Supported            |
| DSS                     | Supported            |
| Android                 | Supported            |
| iOS                     | Supported            |

## TECHNICAL SPECIFICATION

| NETWORK |           |
|---------|-----------|
| HTTP    | Supported |
| HTTPS   | Supported |
| TCP     | Supported |
| ARP     | Supported |
| RTSP    | Supported |
| RTP     | Supported |
| UDP     | Supported |
| ICMP    | Supported |
| RTCP    | Supported |
| SMTP    | Supported |
| FTP     | Supported |
| DHCP    | Supported |
| DNS     | Supported |
| DDNS    | Supported |
| PPPoE   | Supported |
| IPv4/v6 | IPv4/v6   |
| SNMP    | Supported |
| QoS     | Supported |

## TECHNICAL SPECIFICATION

| NETWORK                 |                 |
|-------------------------|-----------------|
| UPnP                    | Supported       |
| NTP                     | Supported       |
| H.264                   | Supported       |
| H.265                   | Supported       |
| INTERFACE               |                 |
| Video Interface         | 1 RJ45          |
| Audio In                | 1               |
| Audio Out               | 1               |
| RS485                   | Support         |
| Alarm In                | 1               |
| Alarm Out               | 1               |
| POWER                   |                 |
| Power Supply            | DC 12V          |
| Over-voltage Protection | ≤ 6 kV          |
| CONSUMPTION             |                 |
| Power Consumption       | ≤ 12W           |
| ENVIRONMENT             |                 |
| Operating Temperature   | -40 °C ~ +60 °C |
| HOUSING                 |                 |
| Material                | Aluminum alloy  |
| Sealing / IP Rating     | IP67            |
| DIMENSIONS              |                 |
| Length                  | 261.7 mm        |
| Width                   | 139.5 mm        |

**TECHNICAL SPECIFICATION**

| DIMENSIONS |        |
|------------|--------|
| Height     | 103 mm |
| WEIGHT     |        |
| Net Weight | 1.7 kg |

## 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

|                                                                                    |                                                                                    |                                                                                     |                                                                                      |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 01                                                                                 | 02                                                                                 | 03                                                                                  | 04                                                                                   |
|  |  |  |  |
| <b>THIS PRODUCT</b><br>circuitbull.com/.../<br>agt-kms6300-35-191524638            | <b>REGISTERED ADDRESS</b><br>1207 Delaware Ave #5352                               | <b>MAIN WEBSITE</b><br>circuitbull.com                                              | <b>VOLLS GLOBAL</b><br>volls.us                                                      |

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