



MISSION CATALOG · CB-000038

AGT-BTVC4105-1930 VEHICLE-MOUNTED ADVANCED SMART SENSOR INFRARED CAMERA

A rugged vehicle-mounted dual-sensor PTZ camera combining a long-range thermal imager and a 2 MP 30x visible camera for 24-hour surveilla...

Model AGT-BTVC4105-1930

KEY BENEFITS

- Long-range 24-hour monitoring
- Delicate and smooth images
- Convenient for installation and application
- 360° omni-directional pan-tilt
- Super-strong aluminum alloy with IP66
- Higher sensitivity
- Effective in all environments
- Small size and low weight

DESCRIPTION

The AGT-BTVC4105-1930 is a vehicle-mounted high-speed dual-sensor PTZ camera built around a fifth-generation FPA VOx uncooled thermal detector and a 1/2.8-inch starlight CMOS visible imager. It delivers continuous 360° pan and +9° to -90° tilt with adaptive rotation speeds, 255 presets, and multiple cruising modes, making it suitable for integration into radar-linked surveillance systems. On-board SDE digital image processing, AGC, 2x digital amplification, and selectable pseudo-color palettes enhance thermal imagery, while intelligent video analytics support cross-border/intrusion detection, target tracking, and shot-point/fire detection with configurable alarm thresholds. The integral aluminum alloy housing is sealed to IP66 and operates from -25°C to +60°C (optional -40°C), ensuring reliable performance in seaports, borders, highways, and other demanding environments.

OVERVIEW

- VOx uncooled thermal detector with 384 × 288 resolution (optional 640 × 512) and NETD ≤50 mK @25°C F1.0
- 1/2.8" starlight CMOS visible camera with 1920 × 1080 resolution, 0.05 Lux color / 0.01 Lux B/W sensitivity, and 4.5–135 mm 30x optical zoom
- Dual-stream network output via RJ45 10/100 Base-T with RS422/485 and support for TCP/IP, UDP, IPv4/v6, HTTP, RTP, RTSP, ONVIF2.0, GB28181, and other protocols
- High-speed PTZ: 360° continuous pan, +9° to -90° tilt, pan speed 0.01–100°/s, tilt speed 0.01–60°/s, 0.1° accuracy, 255 presets, 6 cruising lines, apple-skin scanning, and line-cruising
- Intelligent functions: cross-border/intrusion detection, target tracking, shot-point/fire detection and alert; 255-level alarm threshold
- Integral aluminum alloy housing, IP66 weatherproof/dustproof, operating temperature -25°C to +60°C (optional -40°C)

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~+60°C (-40°C Optional)
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Storage Temperature	-45°C~70°C
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Protection Level	IP66
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POWER

Power Consumption	50W
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Power Supply	AC/DC24V, anti-reverse connection protection
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Weight	≤8.5 kg (include PTZ)
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COMMERCIAL TECHNICAL DATA

DATASHEET · EN

DOCUMENT CONTROL SHEET

ISSUING AUTHORITY

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MATRIX CODES · SCAN TO OPEN

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