



MISSION CATALOG · CB-000020

AGT-Z50II-TVC6516-2186 THERMAL IMAGING PTZ CAMERA FOR BORDER SURVEILLANCE

Dual-sensor thermal/visible PTZ camera with 31~155mm thermal zoom, 11~800mm visible zoom, 360° pan, $\pm 90^\circ$ tilt, and up to 80°/s rotation f...

Model AGT-Z50II-TVC6516-2186

KEY BENEFITS

- Wider detection spectrum through visible-light and thermal dual-sensor fusion with active/passive detection and multi-source aggregation
- High-speed rotation up to 80°/s with 100°/s² acceleration for rapid target capture and smooth tracking
- Full-dimension coverage with 360° pan and -90° to +90° tilt for dead-angle-free monitoring
- All-weather operation in total darkness, fog, and rain for continuous day/night surveillance

DESCRIPTION

The AGT-Z50II-TVC6516-2186 is a long-range thermal imaging PTZ camera designed for border surveillance, seaport and airport monitoring, and coastal defense. It integrates a high-sensitivity visible camera with a medium/long-wave uncooled VOx thermal imager and optional NIR laser illumination to deliver day/night, all-weather detection and recognition. The system supports multi-source data fusion, active/passive detection, and optional enhancements such as laser rangefinders, GPS, electronic compass, auto-tracking, and AI-analysis modules. Its spherical, split-structure PTZ is engineered for low wind resistance and anti-shake performance, rated for operation in winds up to 33 m/s. Direct-drive high-torque rare-earth permanent-magnet synchronous motors provide pan speeds up to 80°/s, tilt speeds up to 60°/s, and 100°/s² acceleration with positioning accuracy up to 0.02° and positioning time under 4 seconds.

OVERVIEW

- Combines visible camera, thermal imaging camera (cooled/uncooled optional), and optional NIR laser illumination modules for long-distance monitoring
- Optional system enhancements include laser rangefinders, GPS, electronic compass, auto-tracking, and AI-analysis modules for positioning, tracking, and identification

APPLICATIONS

- Seaport and airport monitoring
- Border and coastal defense

TECHNICAL SPECIFICATION

SPEED	
Acceleration	100°/s2 Pan, 100°/s2 Tilt
Drive mode	direct drive with high torque rare earth permanent magnet synchronous motor, high speed start and stop, smooth and smooth tracking with rad
TRACKING	
Preset	no less than 255
Path scanning	support preset point cruise, day and night cruise, line sweep, apple skin scan,
Watch function	support watch preset point \ line sweep \ cruise \ apple skin

COMMERCIAL TECHNICAL DATA

DATASHEET · EN

DOCUMENT CONTROL SHEET

ISSUING AUTHORITY

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