



MISSION CATALOG · CB-000012

AGT-ZS20 HD MULTI-SPECTRUM PTZ THERMAL IMAGING CAMERA

The AGT-ZS20 is a long-range, multi-spectrum PTZ thermal imaging camera designed for 24-hour forest and maritime surveillance, integratin...

Model AGT-ZS20

KEY BENEFITS

- Long range 24-hours monitoring
- Delicate and smooth images
- 360 degree Omni-directional Pan-Tilt
- Higher sensitivity
- Effective in all environments
- Lightweight design: weight $\leq 18\text{kg}$

DESCRIPTION

The AGT-ZS20 delivers continuous day/night monitoring with a multi-sensor payload that includes a 2 MP/4 MP visible camera with 8–320mm electric zoom, optional MWIR cooled or VOx uncooled thermal imagers, an 808nm laser illuminator, and a 1570nm laser rangefinder. Its spherical, low-wind-resistance housing is IP66-rated with C5-M salt-spray protection, making it suitable for harsh coastal and forest environments. The integrated two-axis gyro stabilization maintains <0.1° RMS accuracy, while the pan-tilt mechanism provides continuous 360° azimuth and $\pm 90^\circ$ elevation travel with speeds up to 100°/s in azimuth and 80°/s in elevation. The entire system weighs no more than 18 kg including payload, enabling deployment on masts, towers, and mobile platforms.

OVERVIEW

- Spherical low wind resistance design provides strong wind resistance and low agitation
- IP66-rated with special salt-spray protection design reaching C5-M protection grade
- Slewing speed up to 80°/s and acceleration up to 100°/s (120°/s high configuration), enabling fast start/stop and smooth tracking of moving targets
- Horizontal speed: 0.1°~80°/s; Pitching speed: 0.1°~80°/s

APPLICATIONS

- Ship / shipboard video collection
- Sea warning
- Important target alert
- Radar photoelectric linkage

COMMERCIAL TECHNICAL DATA

DATASHEET · EN

DOCUMENT CONTROL SHEET

ISSUING AUTHORITY

ORGANIZATION	Volls Global Inc
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BRAND	Circuitbull®
PARENT ORGANIZATION	Volls Global · volls.us

MATRIX CODES · SCAN TO OPEN

01	02	03	04
			
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