



任務型錄 · CB-000056

EO/IR 陸地熱成像監視系統

全天候多光譜遠距監視，雷達聯動自動追蹤，精準掌握海域與陸域動態。

型號 AGT-ZS20GIS-CTVC63030-2132-LRF6K

主要優勢

- 將高畫質可見光攝影機、製冷型 MWIR 熱成像攝影機、雷射測距儀、自動追蹤、陀螺穩定與智慧分析整合於單一機體
- 全天候、全時域、全維度目標發現、定位、追蹤、識別與追溯
- 可遠距離偵測最遠 8 km 內的小型船隻與島嶼
- 偵測頻譜寬廣，具備無死角全維度覆蓋
- 控制精度高，追蹤性能優異
- 兩軸陀螺穩定，姿態穩定性佳
- 具備雷達聯動與自動追蹤，智慧化程度高
- IP67 防護與艦載振動抗性，環境適應能力強

說明

AGT-ZS20GIS-CTVC63030-2132-LRF6K 是一款堅固耐用的多感測器光電/紅外線 (EO/IR) 監視系統，專為全天候、全天時連續運作而設計。它將 2 MP 微光可見光攝影機、640×512 製冷型 MWIR 熱成像儀、6 km 雷射測距儀、兩軸陀螺穩定、自動追蹤與雷達聯動功能整合於單一精巧的雲台單元中。系統採用直驅式高扭力稀土永磁同步馬達，可實現 $N \times 360^\circ$ 連續水平旋轉、 $\pm 90^\circ$ 俯仰，以及高達 0.02° 的定位精度。支援預設點巡航、線掃描、守望功能，以及多種追蹤模式，包括手動控制、雷達聯動自動追蹤，並可選配前端模組或後端軟體追蹤。本機符合 IP67 標準，可在 -25°C 至 $+60^\circ\text{C}$ 環境下運作，具備耐鹽霧、防雷擊突波與符合 GJB150A.16 的艦載振動抗性，並配備航空級防水連接器、開機自我檢測、故障碼回饋與遠端升級功能。

概述

- 偵測頻譜寬廣
- 無死角偵測與全維度覆蓋
- 控制精度高
- 追蹤性能優異
- 姿態穩定性佳
- 智慧化程度高
- 環境適應能力強

應用

- 艦船/船載影像採集
- 海面預警
- 重要目標告警
- 雷達光電聯動

技術規格

ENHANCEMENTS	
Motor protection	turntable blocking protection, high reliability
Fault detection	support power-on self-check, status query and fault code feedback
Upgrade and maintenance	remote restart, remote upgrade function, convenient system maintenance
INTERFACE	
Network interface	1 channel 10M / 100M adaptive Ethernet port (including thermal image + high-definition visible light + RS422 / 485 control)
Power source	1 way DC24V
Physical interface	china-grade aviation waterproof plug, protection grade IP67
Network protocol	support TCP / IP, UDP, IPv4 / v6, HTTP, RTP, RTSP; support Onvif, GB28181 network video protocol
PTZ control protocol	Pelco-D industry standard and other multi-protocols, baud rate 2400, 4800, 9600, 19200 optional, customizable private protocol
ENVIRONMENT	
Working temperature	-25 °C ~ + 60 °C
Storage temperature	-30 °C ~ + 70 °C
Humidity	<95% RH
Anti-lightning surge	power supply 4000V, communication video signal 2000V
Anti-salt spray	PH value
Vibration resistance	meets GJB150A.16 shipboard environmental requirements
Protection level	IP67
POWER	
Power supply	equipped with ultra-wide input power adapter, AC90V ~ 305V to DC24V
Power consumption	The maximum power consumption of the turntable ≤250W, the stable power consumption ≤50W
Dimension	Φ280mm×430mm

技術規格

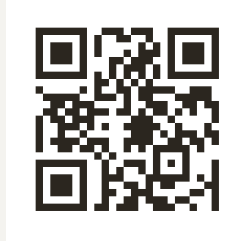
POWER	
Weight	≤18kg
CAMERAS VISIBLE CAMERA	
Detector	1/3 "low illumination CMOS
Resolution	1920 × 1080 (2 MP)
Illumination	color
Lens focal length	8 ~ 320mm continuous zoom
Action distance	Under the conditions of atmospheric visibility greater than 10km, air humidity less than 50%, and background imperviousness, the action distance to small ships or islands and reefs can reach 8km.
Lens control	electric zoom, manual / auto focus
Interface and video format	IP network output, H.265 / H.264
COOLED THERMAL CAMERA	
Detector	Cooled Mercury Cadmium Telluride (MCT) infrared focal plane
Spectral range	3μm ~ 5μm
Resolution	640 × 512
Pixel size	15μm
Temperature sensitivity (NETD)	better than 15mk (@ F4.0, 25 oC)
Lens focal length	30 ~ 300mm continuous zoom
Action distance	when the atmospheric visibility is greater than 10km, the air humidity is less than 50%, and the target and background temperature difference is greater than 5K, the action distance to small ships or islands and reefs can reach 8km.
Focusing mode	manual / automatic focusing (automatic focusing supports zoom trigger, lens temperature trigger, scene detection trigger)
Electronic zoom	2X, 4X, support global synchronous display
Polarity	hot white, hot black and 16 kinds of false colors, support multi-configuration scene mode

技術規格

COOLED THERMAL CAMERA	
Correction	automatic / manual / background correction
Image adjustment	brightness, contrast, AGC automatic control
Image enhancement	SDE digital detail enhancement function
Strong heat source protection	support
Starting time	≤7min (under normal temperature)
LASER	
Wavelength	1570nm
Measuring range	100 ~ 6000m
Ranging accuracy	± 3m
Control	RS422

文件管制頁

發行機構	
組織	Volls Global Inc
登記地址	1207 Delaware Ave #5352
所在地	Wilmington, DE 19806
國家	美國
聯絡窗口	info@circuitbull.com
品牌	Circuitbull®
母機構	Volls Global · volls.us

矩陣碼 · 掃描以開啟			
01	02	03	04
			
本產品 circuitbull.com/.../ agt-zs20gis-ctvc63030-2132-lrf6k- 731743788	登記地址 1207 Delaware Ave #5352	主網站 circuitbull.com	VOLLS GLOBAL volls.us

分發聲明
列印後即為非受控副本。採購或使用前，請於產品網址確認現行版本。本頁標示發行機構及本文件的數位地址。