



任務型錄 · CB-000037

專業 PTZ 熱成像攝影機 AGT-Z50IV-CTVC690110-21100-LRF15K

專業 PTZ 多光譜熱成像攝影機，整合製冷型 MWIR、星光級可見光與 15 km 雷射測距，全天候遠距監控首選。

型號 AGT-Z50IV-CTVC690110-21100-LRF15K

主要優勢

- 多光譜偵測，結合高畫質可見光、MWIR 熱成像與 NIR 雷射，實現主動/被動、晝夜、全天候覆蓋
- 高速 PTZ，轉速最高 80°/s、加速度 100°/s²、定位精度 0.02°，可快速捕捉與追蹤目標
- 360° 連續水平旋轉與 -90° 至 +90° 俯仰，實現無死角全方位監控
- 內建 AI 分析，包括火災偵測、入侵、越界、徘徊、人車分類、人臉偵測與自動追蹤
- 堅固的 IP66/IP67 防護設計，運作溫度 -40 °C 至 +60 °C，具備 6000 V 突波保護與 12 級抗風能力

說明

AGT-Z50IV-CTVC690110-21100-LRF15K 是一款堅固耐用的專業 PTZ 攝影機，專為智慧交通與遠距離監控設計。它結合製冷型 640×512 MCT 熱感測器 (3.7–4.8 μm ，NETD 20 mK，90–1100 mm F5.5 變焦)、背照式星光級 CMOS 可見光攝影機 (12–1100 mm)，以及選配型 1570 nm 雷射測距儀 (量程 200–15000 m，精度 ± 3 m)。系統支援連續 360° 水平旋轉、 $\pm 90^\circ$ 俯仰，轉速最高達 80°/s，加速度最高達 100°/s²，可快速捕捉目標。內建智慧功能包括火災偵測、入侵/越界/徘徊偵測、人車分類、人臉偵測、自動追蹤，以及 18 種雙光融合模式。支援 H.265/H.264/MJPEG 影像串流，最高 16 Mbps，並支援 ONVIF、GB28181 與 SDK 整合。採用 IP66/IP67 等級球形外殼，運作溫度 -40 °C 至 +60 °C，具備 6000 V 突波保護與 12 級抗風能力，適用於嚴苛的戶外交通與周界應用。

概述

- 結合可見光攝影機、製冷/非製冷熱成像，以及選配 NIR 雷射照明模組，可在全黑、霧、雨環境下進行遠距離監控
- 選配功能包括雷射測距儀、GPS、電子羅盤、自動追蹤系統與 AI 分析模組，實現全天候全方位監控
- 球形雙軸雙框伺服轉台，配備雙/三視窗、雨刷、選配陀螺儀影像穩定與斷電記憶功能
- 網路介面包括 RJ45 10/100Base-T、HTTP/HTTPS/RTSP/ONVIF/GB28181 協定、免費 SDK，以及選配內建光纖模組

應用

- 智慧交通管理、高速公路監控與道路安全執法
- 遠距離周界、邊境與海岸監控
- 全天候安防、目標追蹤與關鍵基礎設施保護
- 大型戶外區域的火災偵測與警報監控

技術規格

THERMAL CAMERA	
Bad Correction	support for bad correction
Image Correction	support manual correction, background correction, automatic correction time interval, Gamma correction parameters adjustable
Bright Light Protection	supports protection against Sun Damage
Detector Array	640 × 512
VISIBLE CAMERA	
Sensor type	backlit ultra-low illumination star-level CMOS
Minimum illuminance	Color:
Lens	12~1100mm, Mega HD electric zoom; Manual/auto focus, 3A adaptive active focus algorithm, support multiple trigger modes, accurate and high speed
Image Processing	support for white balance, electronic shutter, frame accumulation, backlight compensation, strong light suppression, 2D/3D digital noise reduction, electronic anti-shake, wide dynamic, heat wave drift suppression
AUDIOANDVIDEO	
Resolution	1920 × 1080; 1280 × 1024; 1280 × 960; 1024 × 768; 1280 × 720; 704 × 576; 640 × 512; 640 × 480; 400 × 300; 384 × 288; 352 × 288; 352 × 240
Visible resolution	2592 × 1520; 2560 × 1440; 1920 × 1080; 1280 × 1024; 1280 × 960; 1024 × 768; 1280 × 720; 704 × 576; 640 × 512; 640 × 480; 400 × 300; 384 × 288; 352 × 240
Video Coding	H. 265/h. 264/MJPEG, multi-stream support
Video rates	32 KBPS to 16 Mbps
Audio encoding	G. 711A/g. 711U/G726
Image rollover	right/left/up/down/diagonal
OSD settings	Support Channel name, time, PAN, field of view angle, focal length of the OSD display settings, support preset position name settings
INTELLIGENTFUNCTION	
Fire Detection Alarm	Threshold Level 255, target size, target number 1-16 can be set, automatic selection of the most prominent target display, hot tracking
Intelligence analysis	support intrusion detection, cross-border detection, entry/exit area detection, motion detection, loitering detection, people gathering, fast moving, target tracking, items left behind, items taken; Human/vehicle target detection, face detection; and support 16 regional settings; support intrusion detection, human, vehicle filtering function; support target temperature filtering function
Automatic tracking	single-scene tracking support multi-scene tracking support panoramic tracking support alarm linkage tracking

技術規格

INTELLIGENTFUNCTION	
Intelligent Information Fusion	support 512 AR intelligent information fusion, support point of fire, intelligent analysis video identification information fusion, support azimuth angle, field of view, focal length, multiple information fusion
Image Fusion	support 18 kinds of dual-light fusion mode, support picture-in-picture function
Alarm management	Support Alarm capture upload
ENHANCEMENTS	
Ranging function	support passive ranging; support optional laser ranging
Strong light protection	support, protection from Sun Burn function
Temperature Correction	non-thermal design, imaging sharpness is not affected by temperature
Scene mode	support multi-configuration scene, adapt to different environment applications
Auto-focus tuning	support remote auto-focus accuracy parameter adjustment, adapt to different scenarios
Day-night cruise	day-night cruise groups with different preset, day cruise 1-40 preset, night cruise 41-80 preset, according to the state of light automatically switch day and night, adapt to different space-time scenarios
Lens servo	support lens pre-position, focal length back, focal length positioning function
Power-off memory	support to restore the pre-power-off position, pre-position state, cruise state, line scan state
Off and on	support
Camera diagnosis function	support network alarm, support IP conflict alarm, support illegal access alarm (illegal access number, lock time can be set), support SD card abnormal alarm (SD space is insufficient, SD card error, no SD card), video block alarm, anti-sun damage (support threshold, block time can be set)
Life Cycle Management	Health Index recording function, support working time, shutter times, working temperature, limit temperature, etc.
Remote Maintenance	with fault inquiry, self-examination, remote restart function; online upgrade, remote upgrade
Keyframe settings	support keyframe interval 100-level adjustable
Configuration File	Support Configuration File Import and export function
Web Access	support WEB full function configuration, remote online upgrade

技術規格

SECURITYCONTROL	
Support illegal access alarm	illegal access number, lock time can be set
Security mode	authorized user name and password, support IP white list and black list, Mac White list and black list
PTZ	
Structure	spherical, multi-dimensional free-form surface shape, small wind resistance, strong anti-shake, can resist 12 strong wind
Windows	Dual/triple windows, 2/3 band sensors, wiper
Level range	N × 360 ° continuous rotation, after power failure can be mechanically locked
Pitch range	-90 ° ~ + 90 °, with soft limit function, program can be set
Rotation Speed	level
Acceleration	100 ° S 2 level, 100 ° S 2 pitch
Speed adaptation	with intelligent induction speed change function, support lens focal length speed adaptation function
Driving mode	adopting high torque rare earth permanent magnet synchronous motor direct drive, high speed start and stop
Positioning accuracy	better than
Location Time	less than 4s
Zero setting	support for horizontal and pitch zero setting
Preset cruise	3000, supports 16 cruise routes, each can support 256 preset positions
Path scan	Support Preset Point Cruise, day and night cruise, line scan, frame scan, apple skin scan, scan speed can be set
Over watch	preset position/pattern scan/cruise scan/vertical scan/frame scan/panoramic scan/apple peel scan/horizontal fan scan
Motor Protection	turntable block and turn protection, high reliability
Gyro image stabilization	optional two-axis gyro stabilization, pitch and roll $\leq \pm 10^\circ$, period greater than 6 seconds, los stabilization accuracy ≤ 2 mrad (RMS)

技術規格

INTERFACE	
Network interface	1-way RJ45,10/100base-t adaptive
Network protocol	support HTTP, HTTPS, FTP, SMTP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, ICMP, DHCP network protocol; support ONVIF and GB28181 protocol
Secondary development	provide free SDK, easy to use or convenient secondary development
Physical interface	Alloy Waterproof Aviation Plug
Optical network	(optional built-in Fiber Module, single mode fiber output, improve anti-interference)
POWER	
Power consumption	the maximum power consumption of the turntable is less than 500W and the stable power consumption is less than 150W
Dimensions	Φ565 mm ×
H880 mm Total weight	≤105 kg
ENVIRONMENT	
Working Temperature	-40 °C ~ + 60 °C
Storage Temperature	-45 °C ~ + 70 °C
Humidity	< 90% Rh
Lightning protection	Interface Circuit built-in surge protection, 6000V
Salt spray	in PH
Protection class	IP66(Ball Chamber air-tight IP67)

文件管制頁

發行機構	
組織	Volls Global Inc
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品牌	Circuitbull®
母機構	Volls Global · volls.us

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