



任務型錄 · CB-000003

AGT-DMS10-4300-75 遠距離高速熱成像攝影機

360° 高速 PTZ 雙感測熱成像攝影機，以 640×512 VOx 熱探測器與 47× 星光變焦實現全天候遠距離監控。

型號 AGT-DMS10-4300-75

主要優勢

- 遠距離 24 小時監控能力
- 細膩流暢的熱成像與可見光影像
- 安裝與應用便利
- 360° 全方位高速雲台
- 超強鋁合金外殼，具 IP67 防護
- 更高熱靈敏度，確保可靠偵測
- 適用於各種環境的有效運作
- 輕量化設計：重量 ≤ 10kg

說明

AGT-DMS10-4300-75 是一款專為森林防火與關鍵基礎設施監控設計的遠距離高速熱成像攝影機。它整合 640×512 第六代非製冷 VOx 熱探測器（配備 75mm 鏡頭）、47× 光學變焦可見光星光攝影機，以及可切換角度的紅外雷射照明器，以提供全天候晝夜覆蓋。準球形鋁合金 PTZ 雲台頭可提供 360° 水平與 ±90° 俯仰旋轉，速度高達 100°/s，而 IP67 密封與寬溫運作確保在嚴苛環境中的可靠性。機載智慧影像分析包括火災與煙霧偵測、熱點追蹤、入侵與越界偵測、人員/車輛分類、人臉偵測、自動目標追蹤及 AR 資訊融合。主動防禦功能如整合式音訊與頻閃照明、警報連動及消防設備控制，可強化情境應對。攝影機支援 H.265/H.264/MJPEG 多串流編碼、ONVIF/GB28181 協定及 SDK 整合，以實現靈活部署。

概述

- 支援影像比例、雷射測距儀（LRF）及多種感測器接入。
- 高度智慧化：支援熱點、煙霧與火災警報、溫度偵測；區域入侵偵測；車輛、船隻與人員偵測、分類與識別；目標追蹤、篩選與過濾；AR 智慧資訊融合連動。
- 主動防禦：支援揚聲器與閃光燈，以嚇阻或阻止入侵者。
- 俯仰：-90° 至 +90°，水平 360° 連續旋轉，完整覆蓋 720° 三維空間。
- 水平速度：0.01°/s 至 100°/s；俯仰速度：0.01°/s 至 80°/s，具備高速啟停、焦距速度適應及精確目標定位。

應用

- 海港與機場監控
- 水系監控
- 倉儲監控
- 油田與油庫安全
- 生態與環境監測
- 邊境與海岸防禦
- 高速公路與鐵路監控

技術規格

PTZ	
Pitch rotation angle	-90° ~ +90°
Structure material	Quasi-spherical micro-rotary, integrated 5-window multi-channel, fine cast high strength aluminium alloy
Preset positions	3000
Cruise routes	16
Presets per route	256
Watch functions	Preset bit, pattern scan, cruise scan, vertical scan, frame scan, panorama scan, apple skin scan, horizontal fan sweep line scan
3D frame selection	Support 3D frame selection zoom
Orientation information	Angle query/real-time return and positioning; lens FOV return and positioning
Zero point correction	Support northward zero point remote correction
THERMAL	
Detector	Sixth generation uncooled focal plane array VOx detector
Resolution	640×512
Wavelength	8~14μm
NETD	40mK (@25°C F1.0)
Lens	75mm
FOV	5.9°×4.7°
Image enhancement	SDE digital image enhancement
Enhancement levels	255 levels
Pseudo-color	16 kinds, hot black/hot white

技術規格

THERMAL	
Electronic zoom	1.0~8.0× continuous zoom (step 0.1)
Correction modes	Manual, background, automatic interval, Gamma
Dead pixel correction	Support
Non-uniformity correction	Automatic/hand
Protection	Anti-sun damage, strong light protection
Video resolutions	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	
Sensor	Back-illuminated ultra-low illumination starlight CMOS
Min illumination (color)	0.0005Lux
Min illumination (B/W)	0.0001Lux @ 0Lux (IRON)
Lens	7mm~330mm
Optical zoom	47×
Digital zoom	16×
Image processing	White balance, electronic shutter, frame accumulation, backlight compensation, glare suppression, 2D/3D DNR, electronic anti-shake, wide dynamic
Day/Night	0.4-0.75μm visible and 0.8-0.95μm near-IR independent dual light window
Fog penetration	Electronic and optical fog penetration
Video resolutions	2592×1520, 2560×1440, 1920×1080, 1280×1024, 1280×960, 1024×768, 1280×720, 704×576, 640×512, 640×480, 400×300, 384×288, 352×288, 352×240
LASER	
Illuminator	New infrared GHT-III HD flood light source, no scattered particles
Angle	3°~65° switchable

技術規格

LASER	
Distance	300m
DETECTION	
Vehicle range	6500m
Human range	2500m
Fire point range	3000m (@2x2m)
RECOGNITION	
Vehicle range	1800m
Human range	800m
ENHANCEMENTS	
Image flip	Left/right, up/down, diagonal
OSD settings	Channel name, time, gimbal orientation, FOV, focal length, preset name
Fire detection threshold	255 levels
Fire detection targets	1-16
Hot spot tracking	Support
Intelligent analysis	Intrusion, boundary crossing, entering/leaving area, motion, wandering, people gathering, fast moving, target tracking, items left/taken, people/vehicle detection, face detection
Analysis areas	16
People/vehicle filtering	Support
Temperature filtering	Support
Auto tracking	Single scene, multi-scene, panoramic, alarm linkage tracking
AR fusion capacity	512
AR fusion information	Fire point, analysis recording logo, orientation angle, FOV angle, focal length, multiplier

技術規格

ENHANCEMENTS	
Image fusion modes	18 kinds
Picture-in-picture	Support
Alarm management	Alarm capture and upload
Distance measurement (passive)	Support
Distance measurement (laser)	Optional
Sound and light alarm	Internal integrated tweeter + flashing light, alarm sound customization
Fire fighting linkage	Support alarm linkage fire fighting device
Camera diagnostics	Disconnection alarm, IP conflict alarm, illegal access alarm, SD card abnormal alarm, video masking alarm, anti-sun damage
Life management	Health index record
Life management parameters	Working time, shutter count, working temperature, limit temperature, motor cumulative time
Power failure memory	Restore position, preset point state, cruise state, line scan state before power failure
Remote maintenance	Fault query, self-test, remote restart, online/remote upgrade
Key frame setting	Key frame interval 100 levels adjustable
Configuration file	Import and export function
Web access	WEB full function configuration, remote online upgrade
Glare protection	Anti-sun burn function
Temperature correction	No thermal image design, imaging resolution unaffected by temperature
Scene mode	Multiple configuration scenarios

技術規格

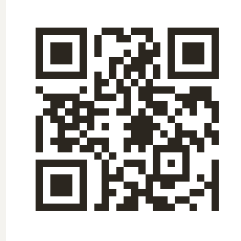
ENHANCEMENTS	
Auto focus tuning	Remote auto focus precision parameter adjustment
Day cruise presets	1-40
Night cruise presets	41-80
Auto day/night switch	Support
Lens servo	Lens preset position, focal length return, focus positioning
Parameter setting	OSD menu remote call operation
Safety control	Illegal access alarm, three-level user rights, IP/MAC whitelist and blacklist, user mis-login lockout
POWER	
Working voltage (DC)	DC 9~36V
AC adapter	External AC220V
Battery adapter	Battery power adapter
CONSUMPTION	
Rated power consumption	≤40W
Peak power consumption	≤60W
ENVIRONMENT	
Working temperature	-40°C ~ 60°C
Working humidity	≤95%
Protection grade	IP67
Anti-salt spray	No change in surface after 96 hours continuous spraying at pH 6.5~7.2
Anti-surge	6KV
Anti-static contact	8KV

技術規格

ENVIRONMENT	
Anti-static air	15KV
INTERFACE	
Ethernet	1× RJ45
Alarm inputs	2
Alarm output	1
Audio input	1
RS485	1
Network protocols	HTTP, HTTPS, FTP, SMTP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, ICMP, DHCP
Device protocols	ONVIF, GB28181
Development interface	SDK secondary development
Video encoding	H.265/H.264/MJPEG, multi-stream
Video bitrate	32Kbps ~ 16Mbps
Audio encoding	G.711A/G.711U/G726

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
			
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