



任務型錄 · CB-000021

AGT-DMS10-4300-100 車載智能告警熱成像攝影機

360° 全天候雙光譜監控，遠距離火點偵測與智能追蹤

型號 AGT-DMS10-4300-100

主要優勢

- 遠距離 24 小時監控
- 細膩流暢影像
- 360° 全方位雲台
- 高強度鋁合金，IP67 防護
- 更高靈敏度
- 適用於各種環境
- 輕量化設計：重量 $\leq 10\text{kg}$

說明

AGT-DMS10-4300-100 是一款專為嚴苛工業環境中 24 小時遠距離監控設計的車載智能告警熱成像 PTZ 攝影機。它結合第六代非製冷 VOx 熱成像、背照式星光級可見光攝影機、雷射照明器與整合式聲光告警，提供持續偵測、識別、火點告警與目標追蹤。具備 360° 連續水平旋轉、±90° 俯仰、IP67 防護、抗鹽霧塗層與輕量化鋁合金外殼，適用於石化廠、倉庫、礦場、鋼鐵生產及周界安全等應用。

概述

- 支援全螢幕點、線、面精確測溫，基於黑體輻射定律對前端每幀原始資料進行運算，反應時間短、無延遲，並可遠端設定告警閾值與策略。
- 俯仰：-90° 至 +90°，水平 360° 連續旋轉，完整覆蓋 720° 立體空間。
- 水平：0.01°/s 至 100°/s；俯仰：0.01°/s 至 80°/s，高速啟停、變焦速度自適應、精確目標定位。

應用

- 石化與工業製造
- 倉儲與物流
- 工業園區、煤礦與鋼廠
- 線上測溫檢測與監控
- 充電設施安防與火災預警

技術規格

GENERAL	
Product Name	AGT-DMS10-4300-100 Vehicle Mounted Intelligent Alarms Thermal Camera
Model	AGT-DMS10-4300-100
SMARTID	Cb-000021
Mounting	Front / side / wall / hanging / vehicle / tripod pro-rack
DETECTION	
Vehicles	8400m
Human	3200m
Fire point (@2×2m)	5000m
RECOGNITION	
Vehicles	2400m
Human	1000m
THERMAL	
Detector	The sixth generation uncooled focal plane array VOx detector
Resolution	384×288
Wavelength	8~14μm

技術規格

THERMAL	
NETD	40mK(@25°C F1.0)
Lens	100mm
Image Enhancement	SDE digital image enhancement technology, 255 levels adjustment
Pseudo-color Polarity	16 kinds, hot black/hot white
Image Parameters	AGC automatic gain control, brightness, contrast
Electronic Zoom	1.0~8.0× continuous zoom (step 0.1), global eagle eye diagram
Ranging Ruler	support
Dead Pixel Correction	support
Image Correction	manual correction, background correction, automatic correction time interval, adjustable Gamma correction parameters
Strong Light Protection	anti-sun damage
Non-uniformity Correction	automatic/hand
Temperature Measurement	full-screen point, line, surface accurate temperature measurement
VISIBLE	
Sensor Type	back-illuminated ultra-low illumination starlight CMOS
Minimum Illumination (Color)	0.0005Lux
Minimum Illumination (B/W)	0.0001Lux @ 0Lux(IRON)
Focal Length	7mm~330mm
Optical Zoom	47×
Digital Zoom	16×

技術規格

VISIBLE	
Image Processing	white balance, electronic shutter, frame accumulation, backlight compensation, glare suppression, 2D/3D digital noise reduction, electronic anti-shake, wide dynamic
Day and Night Light	0.4-0.75μm visible + 0.8-0.95μm near-infrared independent double light window
Fog Penetration	electronic and optical
LASER	
Laser Homogenization	new infrared GHT-III HD flood light source, no scattered particles
Laser Angle	3°~65° switchable
Laser Distance	300m
PAN-TILT	
Pan Speed	0.01°/s ~ 100°/s
Tilt Speed	0.01°/s ~ 80°/s
Focal Speed Adaption	support
Pan Angle	360° continuous rotation
Tilt Angle	-90° ~ +90°
Preset Positions	3000
Cruise Routes	16
Cruise Route Presets	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 Zoom	support
Orientation Information	angle query/real-time return/positioning, lens FOV return/positioning
Zero Point Correction	northward remote correction

技術規格

HOUSING	
Design	quasi-spherical micro-rotary, integrated 5-window multi-channel
Material	fine cast high strength aluminium alloy
Window Glass	infrared/visible high efficiency optical glass, clean film coating
Surface Coating	PTA triple anti-corrosion coating
Wiper	intelligent automatic
Defrost	visible window
IP Rating	IP67
INTERFACE	
Ethernet Ports	1× RJ45
Alarm Inputs	2
Alarm Outputs	1
Audio Inputs	1
RS485 Interfaces	1
Development Interface	HP-SDK secondary development
Thermal 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 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
Video Encoding	H.265/H.264/MJPEG
Multi-stream	support
Video Bitrate	32Kbps ~ 16Mbps

技術規格

INTERFACE	
Audio Encoding	G.711A/G.711U/G726
Image Flip	left and right / up and down / diagonal
OSD Settings	channel name, time, gimbal orientation, field of view, focal length, preset bit name
NETWORK	
Network Protocols	HTTP, HTTPS, FTP, SMTP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, ICMP, DHCP
Video Protocols	ONVIF, GB28181
ENHANCEMENTS	
Fire Detection Threshold	255 levels
Fire Target Count	1-16
Hot Spot Tracking	support
Intelligent Analysis	intrusion detection, boundary crossing detection, entering/leaving area detection, motion detection, wandering detection, people gathering, fast moving, target tracking, items left behind, items taken, people/vehicle target detection, face detection
Detection Areas	16
People/Vehicle Filter	support
Temperature Filter	support
Tracking Modes	single scene tracking, multi-scene tracking, panoramic tracking, alarm linkage tracking
AR Information Fusion	512
Information Fusion Types	fire point, intelligent analysis recording logo, orientation angle, field of view angle, focal length, multiplier
Image Fusion Modes	18
Picture-in-Picture	support
Alarm Capture and Upload	support

技術規格

ENHANCEMENTS	
Passive Distance Measurement	support
Laser Distance Measurement	optional
Sound and Light Alarm	support
Alarm Sound Customization	support
Fire Fighting Linkage	support
Disconnection Alarm	support
IP Conflict Alarm	support
Illegal Access Alarm	support
SD Card Abnormal Alarm	support
Video Masking Alarm	support
Anti-sun Damage	support
Health Index Record	support
Life Management Parameters	working time, shutter count, working temperature, limit temperature, zoom lens motor time, head motor time
Disconnection Renewal	support
Power Failure Memory	support
Remote Maintenance	fault query, self-test, remote restart, online upgrade, remote upgrade
Key Frame Interval	100 levels adjustable
Configuration Import/Export	support

技術規格

ENHANCEMENTS	
Web Access	support
Glare Protection	support
Temperature Correction	no thermal image design, imaging resolution not affected by temperature
Scene Modes	multiple configuration scenarios
Auto Focus Tuning	remote precision parameter adjustment
Day Cruise Presets	1-40
Night Cruise Presets	41-80
Day/Night Auto Switch	support according to photosensitive state
Lens Servo	lens preset position, focal length return, focus positioning
OSD Menu Remote	support
Embedded Remote Upgrade	support
Illegal Access Settings	number and lock time configurable
User Rights Levels	3 (administrator, operator, normal user)
Security Mode	authorized username/password, IP whitelist/blacklist, MAC whitelist/blacklist
Mis-login Lockout	support
POWER	
Working Voltage	DC 9~36V
Power Adapter	external AC220V or battery
CONSUMPTION	
Rated Power Consumption	≤40W

技術規格

CONSUMPTION

Peak Power Consumption	≤60W
------------------------	------

ENVIRONMENT

Working Temperature	-40°C ~ 60°C
---------------------	--------------

Working Humidity	≤95%
------------------	------

Anti-salt Spray	no change after 96 hours at pH 6.5~7.2
-----------------	--

Anti-surge	6KV
------------	-----

Anti-static Contact	8KV
---------------------	-----

Anti-static Air	15KV
-----------------	------

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-dms10-4300-100-44265381	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。