



미션 카탈로그 · CB-000021

AGT-DMS10-4300-100 VEHICLE MOUNTED INTELLIGENT ALARMS THERMAL CAMERA

차량 탑재형 듀얼 스펙트럼 열화상 PTZ 카메라로 24시간 장거리 감시와 화재 경보를 동시에

모델 AGT-DMS10-4300-100

주요 이점

- Long range 24-hour monitoring
- Delicate and smooth images
- 360° omni-directional pan-tilt
- Super-strong aluminum alloy, IP67 ingress protection
- Higher sensitivity
- Effective in all environments
- Lightweight design: weight $\leq 10\text{kg}$

설명

AGT-DMS10-4300-100은 차량 탑재를 위한 지능형 알람 열화상 PTZ 카메라로, 석유화학, 물류창고, 광산, 제철소 등 혹독한 산업 환경에서 24시간 장거리 감시가 필요한 곳에 최적화되어 있습니다. 6세대 비냉각 VOx 초점면 배열 탐지기(384×288)와 100mm 열화상 렌즈, 47배 가시광 줌, 레이저 조명기를 결합해 야간이나 열악한 기상 조건에서도 선명한 영상과 정확한 온도 정보를 제공합니다. 화재점 감지, 침입·경계선 침범·유기물 탐지 등 다양한 지능형 영상 분석과 단일/다중/파노라마 자동 추적 기능을 지원하며, 360° 연속 수평 회전과 $\pm 90^\circ$ 수직 회전으로 사각지대 없는 전 방위 모니터링이 가능합니다. IP67 방진방수와 내후성 코팅이 적용된 초경량 알루미늄 하우징으로 내구성이 뛰어나며, 사운드·라이트 알람 및 소방 연동까지 가능해 보안과 화재 예방을 동시에 강화합니다.

개요

- Supports full-screen point, line, and surface accurate temperature measurement based on black-body radiation law calculation of front-end raw data per frame, with short response time, no delay, and remotely configurable alarm threshold and strategy.
- Pitch: -90° to $+90^\circ$, horizontal 360° continuous rotation, full coverage of 720° three-dimensional space.
- Horizontal: 0.01°/s to 100°/s; pitch: 0.01°/s to 80°/s, high-speed start/stop, focal speed adaptive, accurate target positioning.

적용 분야

- Petrochemical and industrial manufacturing
- Warehousing and logistics
- Factory parks, coal mines, and steel plants
- Online temperature measurement detection and monitoring
- Security and fire warning of charging facilities

기술 사양

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×

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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

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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

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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

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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

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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

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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

상용 기술 자료

데이터시트 · KO

문서 통제 면

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