



КАТАЛОГ МИССИЙ · CB-000054

AGT-TTVC121030C-2186 ALL-WEATHER DUAL-SENSOR THERMAL CAMERA

Всесезонная двухспектральная PTZ-камера для круглосуточного наблюдения на расстоянии до 18 км.

Модель AGT-TTVC121030C-2186

КЛЮЧЕВЫЕ ПРЕИМУЩЕСТВА

- Integrates infrared thermal imaging, HD visible light, video encoding, pan/tilt housing, and control electronics in one compact, easy-to-install system
- Latest-generation MEMS-based VOx detector with NETD down to 50 mK for finer image quality and better performance in fog, rain, and snow
- Unique AS optical and high-precision optomechanical design with excellent non-uniformity correction for superior image uniformity and dynamic range
- SDE image detail enhancement with smooth, noise-free images, multiple pseudo-colors, and hot black/hot white polarity modes for detecting low-contrast hidden targets
- Full HD color/black-and-white dual-mode low-illumination CMOS with 70x compact continuous zoom visible lens for small size and light weight
- Heavy-duty CNC pan/tilt with 360° continuous rotation, no blind spots, stable operation, and minimal image jitter

ОПИСАНИЕ

AGT-TTVC121030C-2186 — это всесезонная двухканальная PTZ-камера, объединяющая неселективный тепловизионный модуль 1280×1024 на базе VOx-детектора и 2 Мп видеокамеру видимого диапазона. Тепловизионный канал с объективом 30–300 мм, алгоритмом SDE и 16 псевдоцветами обеспечивает детальную картинку в туман, дождь и снег, а видимый канал со звёздным CMOS 1/1.8 дюйма и 70× зумом 11–860 мм сохраняет цветное/чёрно-белое изображение при минимальной освещённости. Тяжёлый CNC-поворотный механизм поддерживает непрерывное вращение 360°, наклон $\pm 45^\circ$, скорость до 30°/с и 255 предустановок, а корпус IP66 защищает систему в суровых условиях. Идеальное решение для охраны границ, портов, аэропортов, военных объектов, нефтебаз, водохозяйственных сооружений и противопожарного мониторинга.

ОБЗОР

- The AGT-TTVC121030C-2186 dual-band camera is based on sixth-generation uncooled infrared technology and HD visible-light imaging technology for remote day/night monitoring.
- Thermal imaging uses a high-sensitivity 1280×1024 uncooled focal-plane detector, AS-optics miniaturized infrared lens, advanced digital circuits, and image-processing algorithms to produce fine, smooth imagery.
- Visible light uses a full HD color/black-and-white dual-mode low-illumination CMOS sensor and 70× compact continuous-zoom lens, significantly reducing overall size and easing installation.
- A 360° full-scale pan/tilt enables search and observation out to 18 km, while an industrial-grade embedded control system provides stable zoom, focus, mode switching, and pan/tilt control.
- The super-strength aluminum housing achieves IP66 protection for reliable medium- and long-term field operation.

ПРИМЕНЕНИЯ

- Seaport and airport monitoring
- Water system monitoring
- Storage monitoring
- Base security monitoring
- Oilfield and oil depot security
- Fire source prevention and monitoring
- Ecological and environmental monitoring
- Border and coastal defense
- Urban security and anti-UAV applications
- Highway and railway monitoring

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

IMAGE PROCESSING	
Pseudo-color polarity	16 kinds of pseudo-color images, hot black / hot white two polarities
Image parameters	AGC automatic gain control, brightness, contrast
Electronic zoom	1~8X continuous zoom, support global synchronous display
NUC correction	automatic / manual correction, background correction
VISIBLE CAMERA	
Resolution	2 Mega pixels, 1920×1080
Illumination	color:
Encoding	H.265/H.264 video format, support multi-stream
Video bit rate	32Kbps ~ 16Mbps, 60Hz 30 frames / sec
HOUSING	
Material	integral aluminum alloy housing, stainless steel, anti strong wind ;
Structure	Integral double window
Window glass	4mm optical glass,transmission > 98% ;
Surface coating	PTA three-proofing coatings,
Protection	IP66(IP67 optional)
Interface	waterproof aviation connector ;
PT	
Load	50kg PTZ
Range	Pan 0 ~ 360 °, Tilt -45 ° ~ +45 °
Speed	horizontal
Preset position	255, support lens zoom, focus preset

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

PT	
Accuracy	±0.1°
Patrol sweep	support 6 cruises, 1 apple peel, 1 line sweep
Watch	Preset / Auto Cruise Route / Auto Scan Route
Power-off memory	support (recoverable position before power-off, preset position status, cruise status, line sweep status)
Bearing information	support angle query return, positioning
Zero point correction	support north direction zero point remote correction function
Power consumption	about 120W
Weight	23kg
INTERFACE	
Network interface	1 way RJ45, 10/100 Base-T adaptive (integrated video output and RS422/485 control communication)
Network protocol	support TCP/IP, UDP, IPv4/v6; support HTTP, RTP, RTSP, NFS, DHCP, NTP, SMTP, SNMPv1/v2c/v3, UPNP, PPPoE, DNS, FTP; support PSIA, ONVIF2.0, GB28181 and other network protocols
Power supply	AC/DC24V, anti-reverse protection
Physical interface	alloy waterproof aviation plug
ENHANCEMENTS	
Glare protection	support, anti-sun burn function
Temperature correction	no thermal image design, imaging resolution is not affected by temperature
Scene mode	support multiple configuration scenarios, adapt to no environment application
Auto focus tuning	support remote auto focus precision parameter adjustment, adapt to different scenes
Day and night cruise	day and night group cruise different preset groups, day cruise 1-40 preset position, night cruise 41-80 preset position, automatically switch day and night according to the photosensitive state, adapt to different time and space scenes
Lens servo	support lens preset position, focal length return, focus positioning function

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

ENHANCEMENTS

Parameter setting	OSD menu remote call operation
Remote maintenance	support embedded program remote upgrade for easy after-sales maintenance

POWER

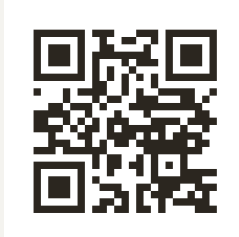
Total power consumption	120W
Total weight	25kg (including Pan/Tilt)

ENVIRONMENT

Working temperature	-25 °C~ +60°C (optional -40 °C)
Storage temperature	-45°C ~ + 70 °C
Humidity	<90%
Impact resistance	15g (according to the
Lightning protection	built-in surge protection of interface circuit, power supply 4000V, signal 2000V
Anti-salt fog	at pH

ЛИСТ КОНТРОЛЯ ДОКУМЕНТА

ОРГАНИЗАЦИЯ-ИЗДАТЕЛЬ	
ОРГАНИЗАЦИЯ	Volls Global Inc
ЮРИДИЧЕСКИЙ АДРЕС	1207 Delaware Ave #5352
НАСЕЛЁННЫЙ ПУНКТ	Wilmington, DE 19806
СТРАНА	Соединённые Штаты
КОНТАКТ	info@circuitbull.com
МАРКА	Circuitbull®
ГОЛОВНАЯ ОРГАНИЗАЦИЯ	Volls Global · volls.us

МАТРИЧНЫЕ КОДЫ · СКАНИРУЙТЕ, ЧТОБЫ ОТКРЫТЬ			
01	02	03	04
			
ЭТО ИЗДЕЛИЕ circuitbull.com/.../ agt-ttvc121030c-2186-711309788	ЮРИДИЧЕСКИЙ АДРЕС 1207 Delaware Ave #5352	ОСНОВНОЙ САЙТ circuitbull.com	VOLLS GLOBAL volls.us

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