



КАТАЛОГ МИССИЙ · CB-000004

AGT-TTVC6516-2075 MARINE TOP THERMAL IMAGING CAMERA

**Двухспектральная морская PTZ камера
для круглосуточного наблюдения**

Модель AGT-TTVC6516-2075

КЛЮЧЕВЫЕ ПРЕИМУЩЕСТВА

- Dual-band day/night imaging with fifth-generation uncooled VOx thermal detector and full-HD visible CMOS in a compact integrated package.
- High thermal sensitivity with NETD of 50 mK for fine image quality and reduced degradation in fog, rain, and snow.
- Advanced AS optical and precision optomechanical design for superior thermal image quality.
- Non-uniform image correction technology ensures good uniformity and wide dynamic range.
- SDE image detail enhancement with smooth, noise-free images and multiple pseudo-color/polarity modes for low-contrast target detection.

Full-HD color/black and white dual-mode low-illumination CMOS with 30x compact continuous zoom.

ОПИСАНИЕ

AGT-TTVC6516-2075 — морская двухспектральная PTZ камера на базе пятого поколения неохлаждаемого тепловизионного модуля VOx и полноценного видимого Full-HD канала. В одном корпусе объединены тепловизор 640×512 с объективом 31–155 мм, 2 Мп CMOS 1920×1080 с объективом 22–750 мм, видеокодер, высоконагруженная поворотная платформа и защищённое исполнение для эксплуатации в жёстких морских условиях. Устройство обеспечивает круглосуточный мониторинг, навигацию, предупреждение столкновений, охрану периметра и поисково-спасательные операции на дальности обнаружения транспортных средств до 13 000 м, человека — до 4 800 м и очага возгорания 2×2 м — до 6 000 м. Встроенные алгоритмы обработки изображения SDE, 16 псевдоцветов, полярность горячий чёрный/горячий белый, AGC, электронный зум и интеллектуальные функции обнаружения вторжений, сопровождения целей и тревоги по горячим точкам позволяют работать в автоматическом режиме без постоянного присутствия оператора.

ОБЗОР

- Integrates infrared thermal imaging, HD visible light, video encoding, pan/tilt, housing, and control electronics in one marine-mounted unit.
- Designed for high integration, compact installation, and reliable operation in challenging marine environments.
- Built around the latest MEMS-based VOx detector with NETD up to 50 mK for fine picture quality and all-weather performance.
- Uses unique AS optical design and high-precision optomechanics for superior thermal image quality.
- Employs excellent non-uniform correction technology for uniform images and wide dynamic range.
- SDE image detail enhancement with multiple pseudo-color and hot black/hot white polarity modes.
- Heavy-duty CNC pan/tilt provides 360° continuous rotation, no dead angles, and stable, low-jitter tracking.
- Supports glare protection, anti-sun burn, multi-configuration scene modes, and intelligent analytics.
- Front-end hot-spot detection alarm based on raw frame data for fast, accurate locking.
- IP network design allows all video, alarm, and positioning data over a single cable.
- Optional laser illuminator creates a three-band system; optional laser ranging, Beidou/GPS, and electronic compass extend situational awareness.

ПРИМЕНЕНИЯ

- Marine navigation and collision avoidance
- Coastal and harbor surveillance
- Search and rescue at sea
- Long-range day/night maritime monitoring
- Perimeter and border security in maritime environments
- Unattended remote monitoring of offshore platforms and vessels

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	2×, 4×, 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
ENHANCEMENTS	
Power	15 W
Wavelength	810nm china grade infrared laser
Homogenization	GHT-II high-definition lens group ultra-homogenization patented technology, brightness balance of all focal lengths is > 92%
Laser safety	ZQB safety laser beam processing patent technology, in line with international IEC60825 safety standards
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

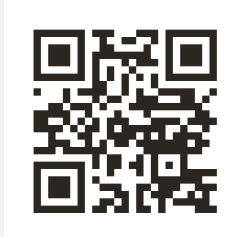
ENHANCEMENTS	
Parameter setting	OSD menu remote call operation
Remote maintenance	support embedded program remote upgrade for easy after-sales maintenance
HOUSING	
Material	integral aluminum alloy housing, stainless steel, anti strong wind ;
Structure	Integral double window
Window glass	4mm optical glass,transmission > 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
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

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

PT	
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
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

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