

Thermal Security Monitoring

General information about ADTC-7040SM Thermal Security Monitoring Systems:

ADTC-7040SM bring thermal and visible-light imaging together in one system that provide video and control over both IP and analog networks. With professional ship-mounted design and anti-shocking devices, they can be used in ships and vehicles with sharper thermal images that provide greater scene detail from long distance.

Main Features:

- ✓ Designed specifically for vehicle and ship, with damping design
- ✓ IVE technology
- ✓ 50Hz real-time imaging, 3s start-up
- ✓ Anti-shock, anti-corruption, IP66
- ✓ Compact structure, integrated design



Technical specification of the device:

Application scenes: On-board, security & protection monitoring

Application: Public security, armed police, coastguard (Yuzheng), coastal defense

Thermal imaging camera:

- Detector type: FPA, uncooled detector
- Detector material: aSi
- IR resolution: 384×288
- Pixel pitch: 17μm
- Spectral range: 8~14μm
- Detector frequency: 50Hz
- Thermal sensitivity (NETD): < 65mk
- Focal distance: F No.-FOV-Human-Vehicle
- TC300PTZ: 19mm-F=1-19.4°×17.4°-570-1550
- 25mm: F=1-15°×11°-820-2200
- 35mm : F=1-10°×8°-1140-3000
- Lens type: Athermal
- Time to image: < 3s
- Object temperature range: -20~120°C
- Brightness/Contrast: Auto/Manual
- Polarity/LUT: White hot, black hot
- Electronic zoom: 2×、4×
- Correction Auto correction

CCD video camera:

- Resolution PAL: 752(H)×582(V) / NTSC: 768(H)×494(V)
- TVL :550TVL
- Video output: PAL/NTSC
- Model: SONY FCB-EX1020P
- Zoom: 30×optical, 12×digital
- Minimum illumination :0.01Lux
- SNR: 50db
- Electronic anti-shock: On/Off
- Focal distance: F1.35-3.7 ; F3.5-98mm ;

Pan/Tilt:

- Horizontal angle 0~360°
- Horizontal speed: 0.04° -100°/s
- Vertical angle: -15°~90°/s
- Vertical speed: 0.3° ~60°/s
- Presets: Up to 256
- Repositioning accuracy: ±0.05°
- Material: Aluminum alloy



Environmental data Operating:

- temperature range:-35°C~55°C
- Storage temperature range:-40°C~70°C
- Encapsulation:IP66
- Vibration protection:Horizontal: 9g; Vertical: 15g
- Wind protection:180km/h
- Window defrosting:Standard

Physical data:

- Size:Φ190(mm)×300(mm)
- Weight:7kg

Interface

- Power interface:DC 12~28V
- Power consumption:< 50W(w/heater)
- Video output:Thermal imaging video, visual video and switchable video (auto/manual switch from thermal imaging camera to CCD video camera)
- Control port:RS485
- Address range:0~255
- Protocol:PECLO-P/ PECLO-D Auto-ID
- Baud rate:2400/4800/9600 bps Auto-ID

Standard packing:

- Thermal imaging camera, user manual, warranty card, packing kit

