

Thermal Security Monitoring

General information about ADTC-7044SM Thermal Security Monitoring Systems:

ADTC-7044SM 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:640×480
- Pixel:pitch:17um
- Spectral range:8~14um
- Detector frequency:50Hz
- Thermal sensitivity (NETD):< 65mk
- Focal distance:F No-FOV -Human-Vehicle
- TC700PTZ:19mm-F=1-31°×24°-570-1550
- 25mm:F=1-25°×18°-820-2200
- 35mm:F=1-17.6°×13.2° -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)
- Model:SONY FCB-EX1020P
- Zoom:20×optical, 12×digital
- Minimum illumination:0.05Lux
- SNR:52dB
- WDR:Yes
- F.no:F1.6-3.5
- Focal distance:4.7-94mm ;



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: $\pm 0.05^\circ$
- 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: $\Phi 190(\text{mm}) \times 300(\text{mm})$
- 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

