

# Thermal Security Monitoring

## General information about ADTC-7043SM Thermal Security Monitoring Systems:

ADTC-7043SM The series of high-performance, multi-sensor pan/tilt cameras bring dual-channel with thermal and visible-light imaging together. Their precision pan/tilt mechanism gives you accurate pointing control while providing sharp image and video for critical facilities.

### Main Features:

- ✓ Dual-channel: thermal and visible-light camera
- ✓ Multi-lens for option
- ✓ Multiple lenses for option
- ✓ Support Onvif protocol
- ✓ Support Pelco-D protocol
- ✓ IP67 encapsulation, protection shield for all-weather conditions



## Technical specification of the device:

### Thermal Imaging Camera

- Detector type:FPA, uncooled detector
- Detector material:aSi
- IR resolution:384×288
- Pixel pitch:17um
- Spectral range:8~14um
- Detector frequency:50Hz
- Video output:PAL/NTSC
- Thermal sensitivity (NETD):60mk
- Lens type:Motor
- Time to image:< 3s
- Brightness/Contrast:Auto/Manual
- Polarity/LUT:White hot, black hot

### CCD Video Camera

- Resolution:1920(H)×1080(V)
- WDR:> 120dB
- SNR:> 60dB
- Minimum illumination:0.1Lux@(F1.2, AGC ON, IRC ON), B/W:  
0.002Lux@ (F1.2, AGC ON, IRC OFF)
- Electronic shutter:1/25~1/10000
- Day-and-night switch:With moving filtering
- White balance:Auto
- Digital noise reduction:3D/2D
- Image gain:Auto/Manual/Night
- Blacklight compensation:Auto
- Auto aperture:DC drive
- Lens interface type:C/CS interface
- Zoom focus lens:F=7.75mm(F1.6)~310mm(F5.6)40X

### Pan/Tilt

- Horizontal angle:0~360° continuous rotation
- Vertical angle:-90~+90°
- Horizontal speed:0.1 ~80°/s
- Vertical speed:0.1 ~60°/s
- Control protocol: Pelco-D
- Communication baud rate:2400/4800/9600/19200 bps
- Communication mode:RS485
- Network interface:RJ-45, 10/100Base-T





### **Power System**

External power:AC24V±20%

Power consumption:≤100W

### **Environmental Data**

Operating temperature range:-25 °C~+55 °C

Humidity:< 90%RH

### **Physical Data**

Size:310mm×463mm×303mm

Weight:40Kg

