

# TC300PTZ|TC700PTZ

## Dual-Spectral Security Monitor System

**TC300PTZ|TC700PTZ** 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.

### Features

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Designed specifically for vehicle and ship, with damping design

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50Hz instant imaging, 3s start-up

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IVE technology

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Anti-shock, anti-corruption, IP67

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Compact structure, integrated design

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### Applications

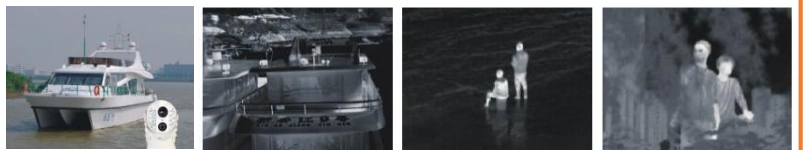
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Surveillance monitoring

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Vehicle and shipborne monitoring

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## Technical Specifications

Item	TC300PTZ			TC700PTZ		
<b>Detector Data</b>						
Type	Uncooled FPA					
Material	aSi					
IR resolution	384×288			640×480		
Pixel pitch	17μm					
Spectral range	8 ~ 14μm					
Frequency	50Hz					
NETD/Sensitivity	≤70mK			≤60mK		
<b>Lens Data</b>						
Type	Athermal					
FOV/Focal distance	19.4°×17.4° /19mm	15°×11° /25mm	10°×8° /35mm	31°×24° /19mm	25°×18° /25mm	17.6°×13.2° /35mm
Recognition distance(Vehicle)	500m	710m	950m	500m	710m	950m
Recognition distance(Human)	160m	220m	320m	160m	220m	320m
F	F 1.0					
<b>Image Performance</b>						
Correction	Auto correction					
Image enhancement	IVE image enhancement algorithm					
Frequency	50Hz					
Zoom	2X、 4X					
Polarity/LUT mode	Black hot /white hot					
Startup time	3s					
Contrast/Brightness	Auto/Manual					
<b>CCD Video Camera</b>						
Resolution	1920×1080					
Sensor type	1/2.8" Progressive Scan Cmos					
Focal distance	4.7-94mm					
HFOV	61.4-2.9°(Wide-Narrow)					
Zoom	20X optical, 12X digital					
Minimum illumination	0.01Lux					
Day&Night	ICR cut filter with auto switch					
F	F1.6-F4.4					
<b>Pan &amp; Tilt</b>						
Horizontal range	0°~360°					
Horizontal speed	Keyboard 100°/S, Manual 0.5°~80°/S					
Vertical range	-15°~+90°					
Vertical speed	Keyboard 100°/S, Manual 0.5°~80°/S					
Automatic flip function	180° automatic flipping with continuous monitoring in the vertical direction					
Presets	256 presets, accuracy < 0.05°					
Cruise scan	6 strips, each can set 16 presets, preset time adjustable					
Pan & Tilt data	The pan & tilt' s horizontal and pitch angle data can be obtained through instructions, and can be queried through the network or through RS485.					
Mobile phone monitoring	Mobile phone monitoring available(iPhone , Windows Mobile , BlackBerry , Symbian , Android)					
<b>Interface</b>						
Video output	RJ45, PAL					

Network protocol	Support ONVIF/RTSP/FTP/PPPOE/DHCP/DDNS/NTP/UPnP
Control	RS485
Communication protocol	Support PELCO-D/P
Baud rate	2400/4800/9600 bps automatic identification
<b>Power System</b>	
Working voltage	DC: +12V ~ +24V
Power consumption	<50W(include heating)
<b>Environment Parameters</b>	
Operating temperature range	-40°C ~ +65°C , humidity<90%
Storage temperature range	-40°C ~ +70°C
Encapsulation	IP67 , TVS 3000V lightning protection, surge protection, voltage transient protection, comply with EMC IV standard
Vibration protection	Horizontal: 9G; Vertical: 15G
Wind protection	180km/h
Window defrosting	Standard
<b>Physical Data</b>	
Size	Φ190mm×300mm
Weight	≤6kg
<b>Packing</b>	
Standard	Dual-Spectral Security Monitor System, User manual, Warranty card, Packing box