TC400PTZ|TC600PTZ

Medium-Loaded IP Thermal Security Cameras

TC400PTZ|TC600PTZ 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.

Features

Dual-channel: thermal and visible-light camera

Multiple lenses for option

Support Onvif protocol

Support Pelco-D protocol

High precision 360° pan/tilt

Applications

Government: military bases, maritime, country borders, law enforcement

Infrastructures: power grid, nuclear power, mining, oil & gas facilities, chemical facilities, water utilities

Transportation: waterways, airports, roads and highways, railroads

Technical Specifications

Item	TC400PTZ		TC600PTZ	
Detector Data				
Detector type	aSi Uncooled FPA			
IR resolution	384×288		640×480	
Pixel pitch	17µm			
Spectral range	8～14µm			
NETD/Sensitivity	≤70mK		≤60mK	
Lens Data				
Focal distance	50mm	75mm		100mm
FOV(384×288)	7.5°x5.5°	5°x3.75°		3.75°x2.75°
FOV(640×512)	12.4°x9.3°	8.3°x6.5°		6.3°x4.5°
Focus mode	Electric/Auto			
Recognition distance(Vehicle)	1200m	1600m		2100m
Recognition distance(Human)	420m	600m		820m
Image Performance				
Polarity/LUT mode	Black hot/White hot			
Image enhancement	IVE image enhancement algorithm			
Frequency	50Hz			
Mirroring	Horizontal/Vertical/Horizontal+Vertical			
Contrast/Brightness	Adjustable			
Visible light camera				
Sensor	1/2.8" Progressive Scan CMOS			
Resolution	1920(H) ×1080(V)			
Lens Data	4.5-135mm,30X optical zoom			
HFOV	65.1-2.34°(Wide-Narrow)			
Aperture	F1.6-F4.4			
Minimum illumination	Color: 0.05Lux @ (F1.6, AGC ON) B&W: 0.01Lux @ (F1.6, AGC ON)			
Day-and-night switch	ICR Filter			
Focusing	Auto Focus / One Focus / Manual Focus			
Pan & Tilt performance				
Rotating angle	Pan: 0°~360°(Continuous rotation); Tilt: +90°~-90°			
Rotating speed	Pan: 0.01°~60°/S; Tilt: 0.01°~30°/S			
Presetting amount	200			
Cruise scanning	Support			
Scan mode	Cruise scanning/Auto scanning			
Real-time angle return	Support real-time angle return or query angle return function			
Network Features				
Network protocol	IPv4/v6、RTSP/RTP/RTCP、TCP/UDP、HTTP、DHCP、DNS、FTP、DDNS、SIP			
Storage communication protocol	CIFS、NFS			
Networktransmission control	Embedded network bandwidth self-adaptive flow control technology			
WEB management	Embedded Web service, which can be viewed and configured through the IE explorer			
Remote upgrade and maintenance	Support			
Integration feature	In support of ONVIF/Third-party protocol			
Interface				
Control	RS485			
Control protocol	Pelco-D			
Baud rate	2400/4800/9600/19200bps			
Network interface	RJ-45, 10/100Base-T			
Power System				
Working voltage	AC: 24V(±20%), 50/60HZ			

Power consumption	≤100W

Environment Parameters

Operating temperature range	-25℃~+60℃(Wide temperature range with optional heating and fan)
Humidity	RH90% MAX(non-condense)
Encapsulation	IP66

Physical data

Size	282mm (L)x 419mm(W)x 316mm
Weight	≤15Kg