

Long Distance PTZ Thermal Camera

WQT series long range thermal imaging camera is based on the latest uncooled IR sensitive technology and continuously IR optical zoom. User could get a best imaging details with 640*512/1280*1024 resolution uncooled FPA sensor, advanced digital circuit and image processing algorithm. Special design of 5X/10X optical zooming lens have detection distance 18km, suit for both seeking and watching.

One integral aluminum alloy housing make sure the camera works well outdoor. In combination with 360-degree PT, the camera is capable of conducting 24 hours real-time monitoring within 1km-18km.

With built-in technical grade control electronic system, the camera's functions like zooming, focusing and video switch can be easily completed. The camera is IP67 rates, which ensures camera's normal operation under tough weather conditions.



Feature

- 1.NETD 40mk enhance the imaging details even in foggy/rainy/snowy weather.
- 2.Special AS optical zooming lens and 3CAM high-precision optomechanical design suit for both large-scale seeking and long-distance watching.
- 3.Non-uniform image correction technology, stable working temperature without TEC, good image uniformity and dynamic range.
- 4.SDE digital image processing, no image noise, 16 pseudo color image
5. One integral aluminum alloy housing, weatherproof IP 67, waterproof, anti-dust.

Application

Border/Costal defense, harbor, oil field, river lane, airport, safe city



Auto Track

Intrusion Detection

High Resolution

Ranging Scale

Technical specification

Model	WQT6405PTZ	WQT6410PTZ
Detection	Vehicle: 13200m	Vehicle: 18000m
	Human: 5000m	Human: 10000m
Identification	Vehicle:3400m	Vehicle: 6000m
	Human: 1300m	Human: 2600m
Sensor	5th generation UFPA sensor	
Resolution	640*512	
Spectral	7.5~14μm	
NETD	40mK (@25°C F1.0)	
Focal length	31~155mm	30~300mm
	5X optical zoom	10X optical zoom
	8X digital zoom	8X digital zoom
Lens control	<ol style="list-style-type: none"> Zoom: Optical zoom Focus: manual / auto focus, 3A adaptive active focus algorithm, support multiple trigger modes, precise high speed Optical machine: 3CAM mode and AS+DOE optical machine structure, high infrared transmittance, no virtual focus and small axis in the zoom process 	
Image processing	1. Stable operational temperature without TEC, starting time less than 4 seconds	
	2. SDE digital image processing	
	3. 18 pseudo color and B/W, B/W inverse	
	4. AGC	
	5. 1X~8X digital amplification, support PIP	
	6. NUC correction: automatic / manual correction, background correction	
	7. Strong light protection: support anti-sun damage	
	8. Dead pixel correction: support the function of dead pixel correction	
	9. Ranging ruler: support for range finding ruler	
Enhancement	<ol style="list-style-type: none"> Protection from strong light, Sunburn protection Temperature correction: a thermalization design, the image sharpness is not affected by temperature Scene mode: support multi-configuration scene, adapt to different environment application 	
Intelligent Analysis	<ol style="list-style-type: none"> Intrusion detection Fire Alarm/Hot Alarm/Smoke alarm Cross-line detection Support Auto Track 	
Video/Audio	<ol style="list-style-type: none"> Support 1920×1080; 1280×1024; 1280×960; 1024×768; 1280×720; 704×576; 640×512; 640×480; 400×300; 384×288; 352×288; 352×240 Video encoder: H.264/H.265/MJPEG, multi-stream support Video code rate:32Kbps~16Mbps 	
Housing	1. Material: High strength aluminum alloy shell, waterproof seal, To avoid the growth of mold and moisture generated	
	2. Structure: Integrated single-window design	
	3. Surface coating: PTA three-resistance coating, Seawater corrosion resistance	
	4. Interface: Aviation waterproof plug	
PT	1. Duty: 30kg/50kg	
	2. Rotation: Pan: 0~360, Tilt: -45~+45	
	3. Rotation speed: Pan: 30°/S, Tilt: 15°/S,	
	4. Preset 3000 (Optional variable speed PT)	
Interface	RJ45 Network Interface	
Environment	1. Operating temperature: -25°C~+55°C (-40°C optional)	
	2. Storage temperature: -35°C~+75°C	
	3. Humidity: <90%	
	4. Ingress protection: IP67	