

CSP-P6409 IT-360

# Thermal Panoramic Tracking System

Intelligent Series



## KEY FEATURES

- Supports panoramic speed dome linkage, detects and tracks targets through algorithms, links the speed dome to track the target, and captures detailed target information
- Supports panoramic stitching, enhancing monitoring efficiency and user experience
- With visible and thermal dual-spectrum imaging for 24/7 safety surveillance
- Support VCA such as dual-spectrum region intrusion detection and cross line intrusion detection, support AI human-vehicle classification
- Supports professional temperature measurement analysis tools and intelligent fire detection algorithms.
- Integrated  $\pm 0.05^\circ$  high-precision pan-tilt with a high rotation speed of  $200^\circ/s$ .
- All-metal integrated body with IP66 encapsulation rating, support self-sensing wipers
- Provide NVR and client software, support standard ONVIF protocols, and SDK for secondary development.



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## SPECIFICATIONS

Panoramic	
Sensor Type	VOx, uncooled FPA
Resolution	13440x512
Focal length	25mm
FOV	360°x14°
Pan/Tilt Range	Pan: 360°continuous, Tilt: -10°~+10°
FPS	0.5Hz
Speed Dome Thermal	
Sensor Type	VOx, uncooled FPA
Resolution	640x512
Pixel Pitch	12µm
Focal Length	50mm
Focus Mode	Auto/Semi-auto/Manual
FOV	8.8°x7.0°
Speed Dome Visible	
Sensor	4MP 1/1.8" Progressive Scan CMOS
Resolution	2688x1520
Focal Length	6.5~260mm
Focus Mode	Auto / Manual / One-shot Auto
FOV	57.6°x33.5°~ 2.9°x1.6°
WDR	Support
Day/Night	Auto/Manual
Defog	Support optical defog
Pan/Tilt	
Pan Range	360°continuous rotation
Pan Speed	0.1°~200°/s
Tilt Range	-27°~90° , support auto flip
Tilt Speed	0.1°~120°/s
Scan Mode	Preset/Tour/Pattern Scan/ Linear Scan/Area Scan
Network functions	
Protocols	IPv4,HTTP,HTTPS,QoS,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTP,TCP,UDP,IGMP,ICMP,DHCP
Interoperability	ONVIF, SDK
Simultaneous Live View	Max. 8
User Management	Up to 20 users , divided into 3 levels: administrator,operator and ordinary user
Browser	Chrome, Mozilla Firefox, Edge
Video Parameters	
Video Compression	H.264/H.265
Audio Compression	G.711a/G.711u/AAC/PCM
Panoramic stream	Channel 1: 10Hz:3360x2048 Channel 2: 10Hz:13440x512 Channel 3: 25Hz:640x512
Speed Dome Stream	Visible: 50Hz:25fps(2560x1440,1920x1080,1280x720,704x576,352x288 ) 60Hz:30fps(2560x1440,1920x1080,1280x720,704x480,352x240)  Thermal: 50Hz:25fps(1280x1024,1024x768,640x512) 60Hz:30fps(1280x1024,1024x768,640x512)

### Smart Functions

<b>Fire Warning</b>	Support fire detection
<b>Smart Detecting</b>	Support VCA such as human-vehicle classification, cross line detection, region intrusion detection;And capable of linking with the pan-tilt to track and obtain more detailed target information.
<b>Malfunction Detection</b>	Support alarm trigger of network disconnection, IP address conflict, SD card error, illegal access, burning alert and abnormal detection
<b>Alarm Linkage</b>	Video recording/Snapshot/alarm output/ sending mail/PTZ linkage

### System Interfces

<b>Power Interface</b>	DC 24V±15%
<b>Communication</b>	1 RJ45 self-adaptive 10M / 100M Ethernet port
<b>Audio</b>	1-in, 1-out
<b>Alarm</b>	1-in, 1-out
<b>Memory</b>	Support Micro SD card ( maximum 256G )
<b>Reset Button</b>	Support
<b>Communication</b>	1-channel RS485

### General Specefications

<b>Operating Temperature &amp; Humidity</b>	-40 ~+70 ; <95%RH
<b>Protection grade</b>	IP66
<b>Wiper</b>	Support self-inductive wiper
<b>Power consumption</b>	Max.65W
<b>Dimension(mm)</b>	539.3x249.4x415.2mm
<b>Weight</b>	12Kg

### Effective Range

Focal Length	25mm	35mm
<b>Vehicle Detection Distance</b>	3194m	4472m
<b>Human Detection Distance</b>	1042m	1458m
<b>Vehicle Recognition Distance</b>	799m	1118m
<b>Human Recognition Distance</b>	260m	365m
<b>Vehicle Identification Distance</b>	399m	559m
<b>Human Identification Distance</b>	130m	182m

\* Listed resolutions are only selectable options. It does not mean that all streams can work at their maximum resolution at the same time.

### AVAILABLE MODEL

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**DIMENSIONS (Unit: mm)**

