

# 256\*192 Thermal imaging +5MP

## 22X Zoom PTZ Dome Camera



### Key Features

- 5.0MP 1/2.7" Progressive Scan CMOS;
- 22X (5.2-114.4mm) optical zoom;
- 256\*192 Uncooled focal-plane vanadium oxide detector
- 7.1mm Thermal Lens;
- Support automatic aperture, electronic shutter function, automatic focus, automatic white balance, manual white balance;
- 4 dot matrix infrared lamps+2 laser infrared lamps, IR distance: 100m
- ONVIF comply; two-way voice

### Technical parameters

Model	
Model No.	256*192-, 7.1mm+ 5MP 25X
Thermal Imaging	
Types	Vanadium Oxide Uncooled Focal Plane Detector
Array format/Pixel pitch	256x192/12μm
NETD	≤50mK@25℃
Response band	8~14μm
Package Type	Wafer level
Lens	7.1mm
HOV	24 (H)°X18°(V)
Video compression standard	H.264
Main stream	720*576, 25Hz
Image processing	Non-uniformity Correction, Intelligent Gain Control, Digital Detail Blending Enhancement, 3D Noise Reduction
Palette	Supports 10 color palettes including black hot, white hot, iron red, rainbow, etc./Customizable
Image mirroring	Left and right, up and down, center
Ethernet Type	100Mbps
Network Protocols	IPV4, HTTP, FTP, RTSP, RTCP, RTP, TCP, UDP
Standard	ONVIF
Concurrent access	6CH
safe mode	Authorized users and passwords
Function	
SMART detection	Support area intrusion, boundary crossing, entry/exit area detection
Ignition point detection	Supports fire point detection
Abnormal temperature alarm	Support temperature abnormality alarm

Temperature measurement function	Full-screen maximum and minimum temperature positioning
	Supports 1 line, 9 frames, 10 points, 2 irregular areas, 2 elliptical areas for temperature measurement
	Temperature range: -20~150°C(Working temperature -20 °C~60 °C), 550°C extension
	Temperature measurement accuracy: $\pm 2^{\circ}\text{C}$ or $\pm 2\%$ (whichever is greater) no black body
	Supports reflected temperature, atmospheric temperature setting, target range correction, and emissivity correction.
Alarms	IP conflict, linkage alarm function
<b>Visible Camera</b>	
Image Sensor	1/2.7" 5MP Progressive Scan CMOS
Optical zoom	22x optical zoom
Focal Length	Motorized Zoom , 5.2-114.4mm
Aperture Range	F1.5(W)-F3.8(T)
Shutter	Auto/Manual, 1~1/100,000s
Defog	self-adaptation Defog
Signal to noise ratio	$\geq 56\text{dBG}$
WDR	120dB
Min. Illumination	0.003lux (F1.5, AGC ON, color), 0.002lux (F1.5, AGC ON, B/W)
Day/Night Switch	IR cut filter
3D positioning	support
Anti-shake	support
Video encoding	H.265/H.264/MJPEG
Maximum frame rate	5MP(2880*1620)20fps
Video stream	Main stream: 2688*1520, 2560*1440, 1920*1080, 1280*720(720P), 720*576(D1), 640*360,
	Auxiliary stream: 1920*1080, 1280*720(720P), 720*576(D1), 640*360,
	Third stream: 720*576(D1), 640*360, 704*288(2CIF), 352*288(CIF)
Video bitrate	128Kbps~16Mbps
OSD	Time, PTZ coordinates, zoom, preset position, serial OSD, headcount, network OSD, picture OSD, ambient volume, device latitude/longitude coordinates, etc.
ROI	8 Areas
Privacy cover	Black Style, Mosaic Style: 8 Single Scenes
Capture an image	Timed Capture, Cycle Capture, Cruise Preset Capture, Manual Capture
Audio coding format	G.711U, G.711A
Audio sampling rate	G.711U, G.711A: 8KHz /16KHz
Perimeter defense	Support cross-border detection, area intrusion, entering the area, leaving the area; Support motorized, non-motorized, pedestrian target classification detection capture and arming
face detection	Support three facial capture optimization modes: effect priority, speed priority, and cycle optimization, and support facial angle filtering;
auto-tracking	Support classification and tracking of motor vehicles, non motor vehicles, and pedestrian targets in the screen, automatically returning to the initial position after reaching the preset tracking time
Smart Features	Motion detection, occlusion detection, sound detection, alarm input, alarm output
<b>Pan/Tilt</b>	
Pan Range	360° (endless)
Pan Speed	0.05° ~ 80°/s
Tilt Range	-25° ~ +90°

Tilt Speed	0.05° ~ 60°/s
Proportional zoom	support
Preset	255
Power-off self-locking	support
Data interface	RJ45 10Base-T/100Base-TX
Interface Protocol	ONVIF Profile G, Profile T, Profile S, GA/T 1400, API
Network protocol	L2TP, IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, SNMP, SIP
Dual stream	support
Local storage	Micro SD card storage
Security	Password protection, Multi-user access control
<b>General</b>	
Power	DC 10V-24V
Power consumption	24w
Working temperature	-20°C~65°C
Working humidity	<90%
Ingress Protection	IP66,4000V lightning protection

