Thermal Network Hybrid Pan & Tilt Camera

Model
ZG-PT24xxxA series
ZG-PT26xxxA series

Features:

◎ Thermal camera uses industry-leading uncooled vanadium oxide focal plane detectors with high sensitivity and good image quality

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◎ Support automatic and manual tracking, single scene and multi-scene cruise tracking, hotspot tracking

◎ Support fire detection alarm, cross line intrusion, regional intrusion, multiple triggering rules linkage action, target filtering and other intelligent functions

◎ Innovative tracking algorithm, automatically lock the target, automatically adjust the lens focal length to get the best video image

◎ Support IP whitelist and blacklist, MAC whitelist and blacklist, multi-level user management, humanized monitoring confidentiality and rights management

◎ Low bit stream transmission, saving bandwidth

◎ Support network protocols such as GBT28181 and ONVIF, making networking easier

◎ Support multi-frame-in-one wide dynamic, advanced image noise reduction, perfect for day and night video images

◎ Accurate 3D positioning function, capturing targets is more convenient, fast and accurate

◎ Support WEB, mobile phone and PC and other client previews to view video images

◎ Single IP solution, rich network expansion capability, easy access to various video surveillance platforms

◎ SD card local storage, support for network disconnection

◎ Support 14 kinds of pseudo color adjustable including white heat, black heat, fusion, rainbow, golden autumn, noon, iron red, amber and others

◎ Support voice intercom

Application:

Can be widely used in large-scale, medium and long-distance monitoring, such as forest fire prevention, coastal defense detection, stations, airports, urban security, port terminals.

Camera Model					
Parameter/model	**ZG-PT24xxxA**			**ZG-PT26xxxA**	
Infrared					
Detector	Uncooled FPA VOX				
Resolution	400*300			640*512	
Pixel size	17μm				
Spectrum	8～14μm				
NETD	≤40mK				
Focal length	35mm	60mm	100mm	35mm	60mm	100mm
FOV（H×V）	9.3°*7.1°	5.5°*4.2°	3.3°*2.5°	18°*14°	10.4°*8.3°	6.2°*5°
Detection distance（car）	4000m	6000m	8800m	4000m	6000m	8800m
Detection distance（human）	1300m	2000m	3000m	1300m	2000m	3000m
Recognition distance（car）	1000m	1600m	2300m	1000m	1600m	2300m
Recognition distance（human)	320m	510m	750m	320m	510m	750m
Identification distance（car）	500m	800m	1200m	500m	800m	1200m
Identification distance（human	160m	260m	380m	160m	260m	380m
Palettes	14 kinds of pseudo color adjustable including white heat，black heat，fusion，rainbow，golden autumn，				
Visible light(30X/40X module selectable）					
Sensor	40X:1/2.8" CMOS / 30X:1/1.9" CMOS				
Resolution	40X:2160000 / 30X:2420000				
Horizontal resolution	≥1100TVL				
minimum illumination	Colourful :40X:0.002Lux @ (F1.8, AGC ON) / 30X:0.001Lux @ (F1.5, AGC ON)				
gain control	automatic / manual				
3D denoise	Supported				
2D denoise	Supported				
SNR（Signal Noise Ratio）	＞55dB				
white balance	Automatic / manual / tracking / outdoor / indoor / outdoor automatic / sodium lamp automatic / sodium				
features	Electronic fogging-penetration，time domain airspace 3D noise reduction				
electronic shutter	1/1 ~ 1/10000				
backlight compensation	On/off				
Wide Dynamic	Supported，≥90dB				
strong light inhibition	Supported				
Digital zooming	16 times（upto 640x）				
Day-night mode	Automatic ICR filter color to black				
diaphragm control	automatic / manual				
image reversal	Supported				
exposure compensation	Supported				
focussing	Automatic / semi-automatic / manual				
Focal length	40X:7.9mm ~ 316mm/ 30X:6mm ~ 180mm				
zooming speed	About 4s				
FOV	Horizontal:40.27°（near focus）~ 1.35°（far focus）/ 30X: Horizontal:59°（near focus）~ 2.4°（far fo				
Close photographic distance	100mm ~ 1000mm（near focus to far focus）				
Optical zooming	40X:40 times/ 30X:30 times				
F#	40X:F1.8 ~ F5.6/ 30X:F1.5 ~ F4.3				
illumination supplement metho	IR				
illumination supplement contro	Speed preferential/ Manual（Near light, far light）				
illumination supplement distan	≥150m				
illumination supplement angle	Adjustable according to focal length				
Video and audio					
Video format	H.264(HighProfile、MainProfile、BasicProfile）、M-JPEG				
Resolution	IR：Main stream（1280*1024、1280*720）Auxiliary stream（640*512、320*256）				
Frame rate	P mode :25fps N mode :30fps				
audio format	G.711a、G.711mu、AAC				
image format	JPEG				
Pan-tilt					
Horizental	0°~ 360° continuous rotation				
Vertical	90°~ -40°				
keying speed	Horizontal: 0.1°~ 160°/ sec Vertical:0.1°~ 60°/sec				
Preset point calling speed	Horizontal:0.1°~ 160°/sec Vertical : 0.1°~ 60°/sec				
Preset point	300				
automatic cruise	8 lines,each can add 32 preset points				
Automatic patrol	5 lines				
Automatic line sweep	Support 5 automatic line sweeps				
Power failure memory	Supported				
Privacy mask	At the same time, there are 4 areas in the same picture.				
Idle action	Preset point / Auto patrol / Auto cruise / Horizontal line sweep				
Timed task	Preset point / Auto patrol / Auto cruise / Horizontal line sweep				
Azimuth information display	On/off				
Preset point video freeze	Supported				
Focal length and speed matchin	User-friendly focal length/speed automatic matching function				
positioning accuracy	±0.1 degrees				
Wiper function	Support single/multiple settings, wiper frequency/duration can be set				
485 data	Two-way transmission				
PTZ function	port idle action, support 3D positioning, support humanized focal length / speed automatic matching func				

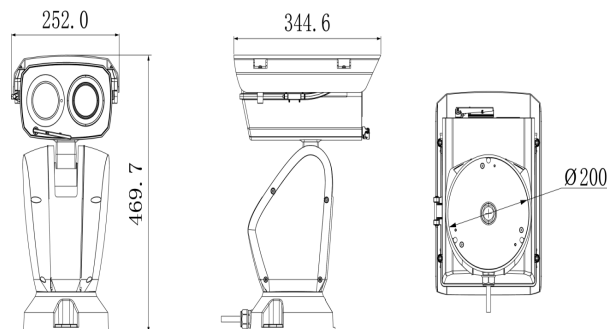| Function	
Voice intercom	Supported
Network protocol	PS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP,
Three-stream	Supported
ROI	Supported
Regional focus	Supported
WEB menu	Supported
system resource	Supports real-time network monitoring/local recording and remote operation at same time
system status	SD card status information, code stream statistics, log records, software version, online users.
Local storage	SD card, support hot swap
User interface	Remote operation interface such as WEB/DSS/PSS
Application programming inter	Open API supporting software integration, support standard protocol (Onvif/CGI/GB/T28181) / support
Browser	Support IE11 and below (including using IE kernel, 360 browser, Sogou browser, etc.); Firefox all versions; Google 44 and below
number of simultaneously prev	Up to 20 channels (total bandwidth 64M)
Safe mode	Authorized username and password, support IP whitelist and blacklist/MAC whitelist and blacklist; HTTPS encryption; IEEE 802.1x network access control; user false login lock; illegal access alarm
User Management	Up to 20 users, multi-level user rights management, divided into 2 levels: management group / user
Troubleshooting	Network disconnection detection, IP collision detection, encoder status detection, memory card status detection, storage space detection
Intelligent function	Visible light and thermal imaging support multiple behavior detection such as line intrusion/region intrusion/item removal/remaining items; support multiple triggering rules linkage actions; support target filtering; support thermal imaging fire point detection alarm; support thermal imaging hotspot
Interface	
Coaxial interface	1.0V[p-p]/75Ω，PALor NTSC, BNC head, CVBS/HDCVI output switching can be customized
Network Interface	RJ45 network port, supporting 10M/100M network data
Alarm input	7-channel digital input (0-5vDC)
Alarm Output	2 channels, support alarm linkage
Alarm linkage	Preset point / cruise / tour / SD card recording / trigger switch output / client electronic map
Audio input	Audio input (LINE input), audio peak value: 2-2.4V [p-p], output impedance: 1KΩ ± 10%
Audio output	Linear level, impedance: 600Ω
485 control	1 way RS485 interface
Storage interface	Micro SD, up to 256G capacity
Power	
Power supply	AC 24V/5A±15%
Power comsumption	Normal operation: <30W (no heater/LED light); maximum power consumption: <70W (on heater/LED)
enviromental parameter	
working environment	Temperature -40 ° C ~ +70 ° C; humidity ≤ 95%
Environment self-adaptation	Support smart fan, support heating and anti-fog function
IP degree	IP66, TVS 6000V lightning protection / anti-surge and anti-surge protection, in line with GB/T 17626.5
physical characteristics	
Dimension	345mm*252mm*470mm(L*W*H)
Weight	Net weight ≤ 13kg, gross weight（Packing in wooden cases）≤ 35kg

Dimension:

Installation: