ADVANCED ENGINEERING UK TECHNOLOGY

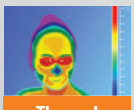
vantage
keeping you safe

THERMAL IMAGING CAMERA

VP-NC8864P-Z50F75THI1
Dual-spectrum PTZ Network Camera

FEATURES

- MCT cooled IR detector (VOx) with 640×512 resolution
- Sensitivity ≤ 20mK
- Visual and thermal dual-spectrum imaging
- Integrated with high-speed and high-accuracy PT
- Support intelligent fire detection and infrared video analysis
- Support intelligent behavior analysis, such as intrusion detection, and line crossing detection
- Support onvif control protocol


Thermal Imaging

1/1.8" Progressive Scan CMOS Sensor

WDR

IP67 Weather Proof

ONVIF CE FC RoHS

TECHNICAL SPECIFICATIONS

VP-NC8864P-Z50F75THI1

Thermal Camera Parameter	Image sensor	MCT cooled detector
	Pixels	640×512
	Pixel Pitch	15 μm
	Spectral Range	3,7 ~ 4.8 um
	Thermal Sensitivity NETD	⩽20mK
	Focal Length	88~1100mm, 12x optical zoom
	Focus Mode	Auto/manual/one time auto focus
	FOV	62°×50°~0.5°×0.4°
	Aperture	F5.5
	Spatial Resolution	0.17~0.01mrad
	Color Palettes	20 modes selectable such as Blackhot / Whitehot / Rainbow,etc.
	Defocus Correction	Support to ensure image keep clear over the operating temperature range
	Digital Zoom	8x
	ISP	Supports non-uniformity correction/brightness/contrast/digital filtering noise reduction/digital detail enhancement
Visible Camera	Image Sensor	1/1.8" Progressive scan 4 MP CMOS sensor
	Effective Resolution	2688 (H)×1520 (V)
	Focal Length	11.3~1000mm
	Focus Mode	Auto/Manual/One time auto focus
	FOV	37.9°×21.9°～0.4°×0.2°
	WDR	Supported
	Day /Night	Manual/Auto
	Wiper	Supported
	Heater/Cooling	Support heater, less than 5°Cautomatically open (can be manually controlled), support fan cooling
	Digital Zoom	4x
	Image Stabilization	EIS
	Defog	Optical Defog
PTZ	Pan Range	360° Continuous Rotate
	Pan Speed	0.01° ~ 120°/s
	Tilt Range	-90° ~ +90°
	Tilt Speed	0.01° ~ 60°/s
	Preset	1024
	Long Focus Speed Limit	Support automatic adjustment of the Pan-tilt speed according to the current focal length
	Scanning Mode	Preset/Pattern Scan/Patrol Scan/Linear Scan/Panorama Scan
	Preset Accuracy	±0.01°
	Adjustable Pan-tilt	Pan-tilt adjustable, can flexibly adjust the visible, infrared, rangefinder optical axis
Network	Protocols	TCP/IP,UDP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,RTP,RTSP,RTCP, IGMP,SMTP, NTP, QoS.
	System Compatibility	ONVIF/SDK/API/Series port communication
	Simultaneous live view	Up to 20 channels
	User Management	Up to 20 users, 2 levels: Administrator and User
	Web Browser	IE8+/Chrome/Firefox
Video	Max.Resolution	2688×1520(Visible),1280×1024 (Thermal)
	Image Format	JPEG
	Audio Compression	G.711A/G.711Mu/PCM/AAC/MPEG2-Layer2
	Video Compression	H.264/H.265/MJPEG

TECHNICAL SPECIFICATIONS

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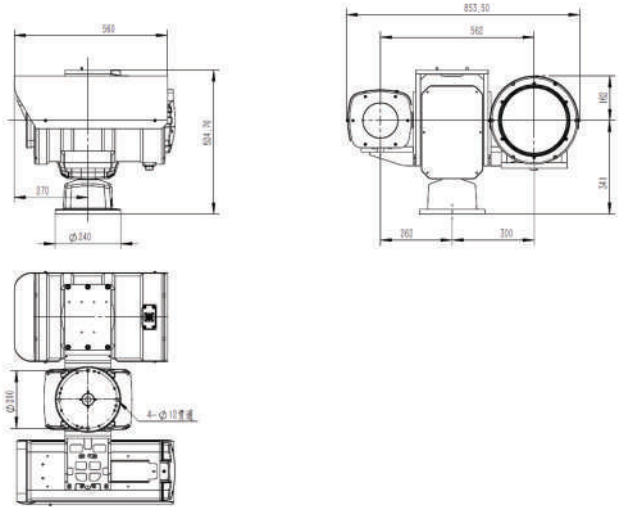
Frame Rate	Main Stream	Visible: 50Hz:25fps(2688×1520,1920×1080,1280×720) 60Hz:30fps(2688×1520,1920×1080,1280×720) Thermal: 50Hz:25fps(1280×1024,1280×720,1024×768)
	Sub Stream	Visible: 50Hz:25fps(1920×1080,1280×720,704×576,352×288) 60Hz:30fps(1920×1080,1280×720,704×480,352×240) Thermal: 50Hz:25fps(640×512,384×288)
Smart Function	Fire Detection	Supported
	Strong Light Protection	Supports, Prevent high temperature burns to the detector
	Coaxial Linkage Amplification	Supported
	Abnormal Alarm	Support alarm trigger of network disconnection, IP address conflict, full memory, memory error, illegal access and abnormal detection
	Smart Detection	Support smart video analysis such as line intrusion, cross-border, and region intrusion
	Alarm Linkage	Recording/capture/sending mail/PTZ linkage/alarm output
Interface	Ethernet	RJ45 self-adaptive 10M/100M Ethernet port
	Audio Interface	1channel input, 1 channel output
	Alarm Interface	7-channel input,2-channel output
	Storage Interface	Support Micro SD card (Max.256G)
	Communication Interface	1-ch RS485, support Pelco-D
General	Power Supply	DC 48V±15%
	Power Consumption	Max.160W
	Operating Temperature	-40°C to + 70°C
	Operating Humidity	<90% RH or less (non-condensing)
	Enclosure	IP67
	Dimensions (mm)	620mm×854mm×525mm(W×H×L)
	Weight	80kg
Certificates	Certificate	CE,FCC,RoHS

*Exact products and specifications shown may vary by geographic region and are subject to change without notice. Weights and measurements are approximate and may vary.

DIMENSIONS:



VANTAGE INTEGRATED SECURITY SOLUTIONS LIMITED

B3, Bredon House 321, Tenttenhall Road Tettenhall, Wolverhampton
West Midlands, WV6 0JZ United Kingdom
Ph:+44-1902793383, Email: sales@vantagesecurity.com
www.vantagesecurity.com

(AN ISO 9001 : 2008, ISO14001 : 2004 CERTIFIED COMPANY)