

IP DUAL SENSOR THERMAL PTZ CAMERA



ENC-HHP7Z-550R-39

FEATURES

640x512 VOx Uncooled Focal Plane Detector

Sensitivity $\leq 40\text{mK}$

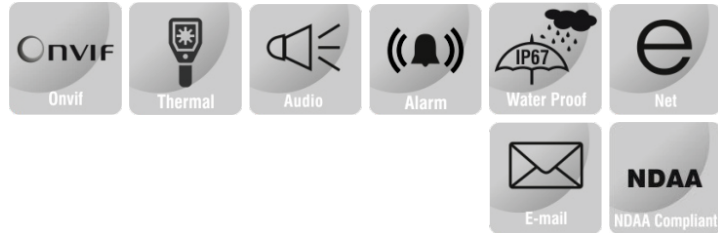
26 ~ 105 mm Motorized Zoom Lens

Areas / Spot / Line Temperature Measurement Rule Support

17 Color Patterns Support

Electronic Image Stabilization

IP67



SPECIFICATION

MODEL	Model No.	ENC-HHP7Z-550R-39			
	Type	IP DUAL SENSOR THERMAL PTZ CAMERA			
THERMAL CAMERA	Detector Type	Uncooled VOx Focal Plane Arrays			
	Effective Pixels	640x512 and Image can be scaled up to 1280x1024			
	Pixel Size	12 μm			
	Thermal Sensitivity (NETD)	$\leq 40\text{ mK}$			
	Spectral Range	8~14 μm			
	Image Settings	Brightness, Sharpness, Contrast, Mirror, 2D/3D DNR, Mirror / Flip, FFC			
	Color Palettes	White & Black Hot, Ironbow, Rainbow etc. up to 17 modes			
	Iris	Auto Fixed IRIS			
LENS	Lens	Fixed			
	Focus Control	Motorized Focus			
	Focal Length	26 ~ 105 mm			
	F No	1.6			
	Angle of View	16.8°~ 4.2°(H), 13.4°~3.4°(V)			
	Thermal Imaging**	Object	Human(1.8 x0.5m)	Vehicle(4 x1.5m)	Fire(1 x1m)
		Lens (mm)	105	105	105
		Detection (m)	4369	10063	4375
		Recognition (m)	1192	3659	1458
		Identification (m)	546	1677	729
VISIBLE CAMERA	Image Sensor	1/2.8" Sony CMOS			
	Max Resolution	2560 x 1440			
	Focal Length	5 ~ 200 mm			
	Angle of View(H)	59.1° ~ 1.8°			
	Angle of View(V)	41.6° ~ 1.7°			
	Angle of View(D)	72.2° ~ 2.4°			
	Optical Zoom	40x			
	Digital Zoom	16x			
	Focus Control	Auto / Semi Auto / Manual			
	Max Aperture	F1.2 ~ F3.5			
	Shutter Speed	1s ~ 1/100,000s, Auto/Manual			
	Min. illumination	Color:0.01 lux @ F1.2, B/W:0.001 lux, with IR			
	AGC	Auto / Manual			
S/N Ratio	$\geq 50\text{dB}$				
WDR	120dB				
Smart IR	Up to 550 m				

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VIDEO	Video Compression	H.265, H.264
	Frame Rate	Main Stream: Thermal: (1280x1024, 1280x720, 640x512) @25/30fps; Visible: (2592x1520, 2560x1440, 2304x1296, 1920x1080, 1280x720) @25/30fps Sub Stream: Thermal: (D1, CIF) @25/30fps; Visible: (D1, VGA, 640x360, CIF, QCIF, QVGA) @25/30fps
	Bit Rate Control	CBR, VBR
	Bit Rate	Thermal: 100 Kbps ~ 6 Mbps Visible: 100 Kbps ~ 12 Mbps
	Defog	Supported
	BLC	Supported
	OSD	Supported
	OSD Type	Title, Week, Date, Time, Text with different colors and adaptable sizes (Small / Medium / Big), Image overlay
	ROI	Up to 8 regions
	Privacy Masking	Up to 4 regions
AUDIO	Audio Compression	G.711A, G.711U, RAW_PCM
	Audio Bitrate	8 kbps ~ 16 kbps
	Audio I/O	2/2
TEMPERATURE	Detection Mode	Spot, Line, Area (Total 20 Rules - 1 Full Screen and 19 others)
	Alarm	Over / Difference Alarm
	Accuracy	±2°C / ±2%
	Response Time	≤ 30 ms
	Measurement range	-20°C ~ 150°C -20°C ~ 550°C (Optional)
INTERFACE	Protocols	TCP/IP, UDP, IPv4, IPv6, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP/RTCP, RTSP, PPPoE, NTP, UPnP, SMTP, IGMP V2/V3, 802.1x, QoS, Unicast, Multicast, SNMP, ARP
	Security	AES Video Encryption, IP Filter, User Authentication (Multiple Privilege Level), HTTPS Authentication, Digest Authentication, User Access Log
	Compatibility	ONVIF (Profile S, G, T), CGI/SDK
	Network	1x RJ45 10M/100M Self Adaptive Ethernet Port
	Serial Interface	1xRS845
	BNC	Supported
	Edge Storage	SD card slot, up to 256 GB
	Alarm I/O	9/4
	Heater	Supported (Optional)
	Fan	Supported
	Max.User access	10
	Client Application	EyeGuard
	Wiper	Supported
SMART	Behaviour Detection	Thermal/Visible: Intrusion (Perimeter), Crossline (Tripwire), Double Crossline (Double Tripwire)
	Intelligent Identification	Thermal: Region Entry / Exit Visible: Loitering
	Statistical Analysis	Visible: People Counting, Human / Vehicle Detection, Fire Point Detection
	Alarm Management	Motion Detection, Disk Full Alarm, Temperature Alarm, Input / Output Alarm, IVS Alarm
	Alarm Notification	E-mail, HTTP, SD card & Alarm Out (Event Notification/ Recording/ Snapshot upload through E-mail, HTTP, & SD card)
PAN AND TILT	Pan Range	0° ~ 360° (Endless)
	Pan Speed	Pan Manual Speed: 0.01° - 60°/s, Pan Preset Speed: 60°/s
	Tilt Range	-90° ~ +90°
	Tilt Speed	Tilt Manual Speed: 0.01° ~ 30°/s, Tilt Preset Speed: 30°/s
	Number of Presets	400
	PTZ Mode	8 Scan, 12 Tour, 6 Track (Up to 32 Presets Per Scan)
	Speed Setup	Auto / Manual (0-8)
	Power Off Memory	Supported
Idle Motion	Activate Preset/ Scan/Tour/Pattern if there is no command in the specified period	

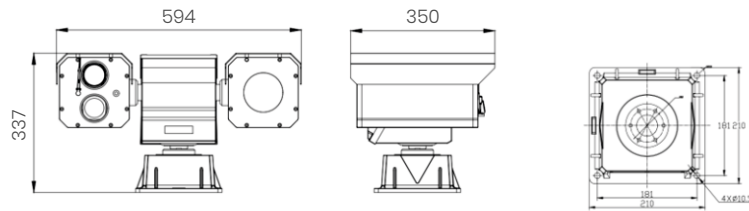
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MODEL	Model No.	ENC-HHP7Z-550R-39
	Type	IP DUAL SENSOR THERMAL PTZ CAMERA
GENERAL	Power Supply	DC 36V
	Max. Power consumption	150 W
	Working Temperature	-40 °C ~ 60 °C
	Working Humidity	95% RH
	Casing	Metal
	Ingress Protection	IP67
	Vandal Resistant	IK10 (Housing)
	Surge Protection	TVS6000V
	Reset Button	Supported
	Dimensions	594x350x337 mm
	Weight	23 Kg

Dimension Unit : mm



ORDERING INFORMATION

Part Number	Description	Standard Quantity
ENC-HHP7Z-550R-39	4MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 40X Optical Zoom , 550m IR Support and Thermal Imaging Camera with 640*512 Thermal Resolution, 26~105mm Thermal Motorsed lens and SD Card Slot Support	1

PACKING INFORMATION

Part Number	Packing Mode	Gross weight(Kg)	Dimension(mm)
ENC-HHP7Z-550R-39	Carton Box	-	-

**The detection ranges may vary in different conditions. Product performance is based on testing in a controlled environment. Results may vary due to several external and environmental factors.