

IP DUAL SENSOR TEMPERATURE DETECTION THERMAL PTZ CAMERA



ENC-HHP5Z-60X-37

FEATURES

Uncooled VOx Micro bolometer

400x300 Effective Pixels

Sensitivity $\leq 40\text{mK}$

75/100mm motorized thermal lens

60x optical zoom visible lens

Areas / Spot / Line temperature Measurement Rule Support

17 color control Support

Electronic Image Stabilization

IP67



SPECIFICATION

MODEL	Model No.	ENC-HHP5Z-60X-37					
	Type	IP Dual Sensor Temperature Detection Thermal PTZ Camera					
THERMAL CAMERA	Detector Type	Uncooled VOx Focal Plane Arrays					
	Effective Pixels	400x300 and Image can be scaled up to 704x576					
	Pixel Size	17um					
	Thermal Sensitivity (NETD)	$\leq 40\text{ mK}$					
	Spectral Range	8~14um					
	Image Setting	Brightness/Sharpness/Contrast/Mirror/FFC/3D DNR					
	Color Palettes	White-hot/Black-hot/Rainbow/Ironbow etc. up to 17 modes					
	Lens Type	Fixed					
	Focus Control	Motorized Focus					
	Focal Length	75/100					
THERMAL CAMERA	F No.	1.0					
	Angle of View	75mm	100mm				
		5.1°(H), 3.8°(V)	3.8°(H), 2.3°(V)				
	Thermal imaging	Object	Human(1.8mx0.5m)		Vehicle(4mx1.5m)		Fire(1mx1m)
			75mm	100mm	75mm	100mm	75mm 100mm
THERMAL CAMERA		Detection	2206m	2941 m	6765m	9020m	2206m 2941m
		Recognition	551m	735m	1691m	2255m	735m 980m
VISIBLE CAMERA	Image Sensor	1/1.9" Sony CMOS					
	Max.Resolution	1920 x1080					
	Focal Length	12.5~750mm (Optional 16.7~1000mm)					
	Optical Zoom	60x					
	Digital Zoom	16x					
	Focus Control	Auto / Manual					
	Max Aperture	F2.5 ~ F16					
	Shutter Speed	1s -1/100,000s					
	Min. Illumination	Color: 0.001 Lux @ F1.2, B/W: 0.1 Lux					
	AGC	Auto / Manual					
VIDEO AND AUDIO	Angle of View(H)	33°~1.7°					
	S/N Ratio	>55dB					
	Video Compression	H.265, H.264					
	Frame Rate	Main Stream: Thermal: D1 @25/30fps; Visible: 1920x1080/1280x720 @25/30fps Sub Stream: Thermal: CIF @25/30fps; Visible: D1/VGA/640x360/CIF/QCIF/QVGA @25/30fps					
	Bit Rate Control	CBR/VBR					
VIDEO AND AUDIO	Bit Rate	Thermal: 100Kbps~6Mbps					
		Visible: Main stream: 500Kbps~12Mbps; Sub stream: 100Kbps~6Kbps					



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SPECIFICATION

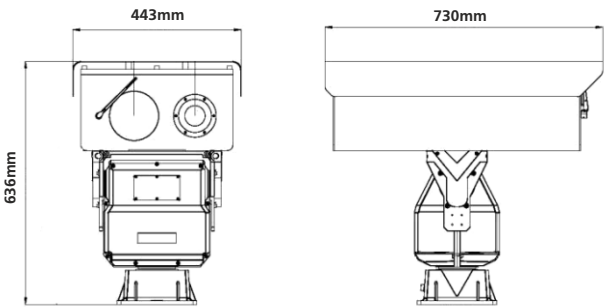
MODEL	Model No.	ENC-HHP5Z-60X-37
	Type	IP Dual Sensor Temperature Detection Thermal PTZ Camera
VIDEO AND AUDIO	Region of Interest	Upto 8 areas
	Defog	Supported
	Mirror	Supported
	Motion Detection	Supported
	Privacy Masking	Upto 4 areas
	DVE Image Enhance	Supported
	Audio Compression	G.711U/G.711A, AMR, RAW_PCM (Optional)
SMART	Behaviour Detection	Motion detection, Disk alarm, I/O alarm, Temperature alarm
	Intelligent Identification	Perimeter, Single Virtual Fences, Double Virtual Fences
	Statistical Analysis	Abandoned Object, Missing Object
TEMPERATURE DETECTION	Detection Mode	Area, Spot, Line
	Temperature Alarm	Over temperature alarm, Temperature difference alarm
	Accuracy	±2°C / ±2%
	Response Time	≤30ms
	Temperature measurement range	-40°C ~ 150°C
	Temperature display mode	Temperature target > 5°C, Display absolute temperature value; Temperature target ≤ 5°C, Display relative temperature value (Temperature difference DEV = highest value - average)
INTERFACE	Protocols	IPv6, IPv4, HTTP, RTSP/ RTP/RTCP, TCP/UDP, DHCP, DNS, PPPoE, SMTP, 802.1x
	Compatibility	ONVIF (Profile S/G), CGI, SDK
	Network	2 Ethernet (10/100 Base-T) RJ-45 Connector
	RS485	Supported
	BNC Output	Supported
	Max.User	10
	Audio I/O	2/2
	Alarm I/O	3/3
PAN & TILT	Pan Range	0° ~ 360°
	Pan Speed	Pan Manual Speed: 0.01° ~60°/s, Pan Preset Speed: 0.01° ~60° /s;
	Tilt Range	+40° ~ -75°
	Tilt Speed	Tilt Manual Speed: 0.01° ~30° /s, Tilt Preset Speed: 0.01° ~30° /s
	Number of Presets	400
	PTZ Mode	8 Auto Scan, 12 Tour, 6 Track
	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
GENERAL	Power Supply	DC36V
	Power Consumption	Max 150W
	Edge Storage	Mirco SD, Upto128GB
	Reset Button	Supported
	Working Environment	-40 °C ~ 60 °C, Humidity: 0~90% RH
	Casing	Metal
	Ingress Protection	IP67
	Vandal Resistant	IK10 (Housing)
	Dimensions	443×730×636mm
	Weight	48Kg

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Dimension Unit: mm



ORDERING INFORMATION

Part Number	Description	Standard Quantity
ENC-HHP5Z-60X-37	2MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 60X Optical Zoom and Thermal Imaging Camera with 400*300 Thermal Resolution and SD Card Slot Support	1

PACKING INFORMATION

Part Number	Packing Mode	Gross Weight (kg)	Dimension (mm)
ENC-HHP5Z-60X-37	Carton Box	-	-