

IP DUAL SENSOR TEMPERATURE DETECTION THERMAL PTZ CAMERA



ENC-HHP5Z-60X-39

FEATURES

Uncooled VOx Micro bolometer
640x512 Effective Pixels
Sensitivity ≤40mK
75/100mm motorized lens
60x optical zoom visible lens
Areas / Spot / Line temperature Measurement Rule Support
17 color control Support
Electronic Image Stabilization
IP66



SPECIFICATION

MODEL	ENC-HHP5Z-60X-39						
Type	IP Dual Sensor Temperature Detection Thermal PTZ Camera						
Detector Type	Uncooled VOx Focal Plane Arrays						
Effective Pixels	640x512						
Pixel Size	17um						
Thermal Sensitivity (NETD)	≤ 40 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						
F No.	1.0						
Angle of View	75mm	100mm					
	8.2°(H), 6.6°(V)	6.2°(H), 4.9°(V)					
Thermal imaging	Object	Human(1.8mx0.5m)		Vehicle(4mx1.5m)		Fire(1mx1m)	
		75mm	100mm	75mm	100mm	75mm	100mm
	Detection	2206m	2941 m	6765m	9020m	2206m	2941m
	Recognition	551m	735m	1691m	2255m	735m	980m
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	1/5 ~ 1/20,000s						
Min. Illumination	Color: 0.001 Lux @ F1.2, B/W: 0.1 Lux						
AGC	Auto/Manual						
Angle of View	12.5~750mm	16.7~1000mm					
	35°(H), 26°(V)	27°(H), 20°(V)					
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						



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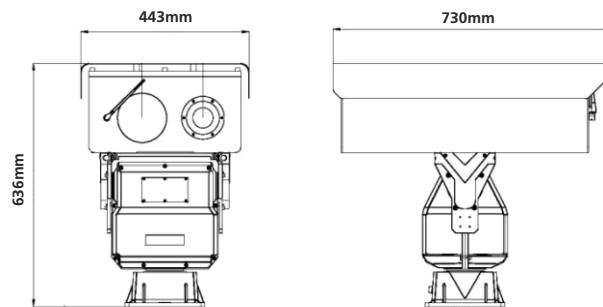
MODEL	Model No.	ENC-HHP5Z-60X-39
	Type	IP Dual Sensor Temperature Detection Thermal PTZ Camera
VIDEO AND AUDIO	Bit Rate	Thermal: 100Kbps~6Mbps Visible: Main stream: 500Kbps~12Mbps; Sub stream: 100Kbps~6Kbps
	Region of Interest	Upto 8 areas
	Defog	Supported
	Mirror	Supported
	Motion Detection	Supported
	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	Spot, Line, Area
	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, PPPE, 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
GENERAL	Idle Motion	Activate Preset/ Scan/Tour/Pattern if there is no command in the specified period
	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	IP66
Dimensions	443×730×636mm	
Weight	48Kg	

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Dimension Unit: mm



ORDERING INFORMATION

Part Number	Description	Standard Quantity
ENC-HHP5Z-60X-39	2MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 60X optical Zoom and Thermal Imaging camera with 640*512 Thermal Resolution and SD Card slot Support	1

PACKING INFORMATION

Part Number	Packing Mode	Gross Weight (kg)	Dimension (mm)
ENC-HHP5Z-60X-39	Carton Box	48 kg	443x730x636