

# IP DUAL SENSOR TEMPERATURE DETECTION THERMAL PTZ CAMERA



ENC-HHP5Z-32X-39

## FEATURES

640x512 Uncooled VOx Micro Bolometer Detector

Sensitivity  $\leq 40\text{mK}$

75/100/120 mm Fixed Thermal Options

Areas / Spot / Line Temperature Measurement Rule Support

17 Color Patterns Support

Electronic Image Stabilization

IP67



## SPECIFICATION

MODEL	Model No.	ENC-HHP5Z-32X-39									
THERMAL CAMERA	Type	IP Dual Sensor Temperature Detection Thermal PTZ Camera									
	Detector Type	Uncooled VOx Focal Plane Arrays									
	Effective Pixels	640x512 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 & Black Hot, Ironbow, Rainbow etc. up to 17 modes									
THERMAL LENS	Iris	Auto Fixed IRIS									
	Lens	Fixed									
	Digital Zoom	16x									
	Focus Control	Motorized Focus									
	Focal Length	75/100/120 mm									
	F No.	1.0									
	Angle of View(H)	75mm	100mm	120mm							
		8.2°(H), 6.6°(V)	6.2°(H), 4.9°(V)	5.1°(H), 3.2°(V)							
	Thermal imaging	Object	Human(1.8mx0.5m)			Vehicle(4mx1.5m)			Fire(1mx1m)		
		Lens	75mm	100mm	120mm	75mm	100mm	120mm	75mm	100mm	120mm
Detection		2206m	2941m	3500 m	6765m	9020m	1020m	2206m	2941m	3500m	
Recognition		551m	735m	9050 m	1691m	2255m	2500m	735m	980m	9100m	
Identification		275 m	367m	397m	846m	1127m	1130m	368m	490m	520m	
VISIBLE CAMERA	Image Sensor	1/1.9" Sony CMOS									
	Max.Resolution	1920 x1080									
	Focal Length	12.5 ~ 400 mm									
	Optical Zoom	32x									
	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: 0.0001 lux									
	AGC	Auto / Manual									
	Angle of View(H)	33°~1.7°									
	S/N Ratio	>55dB									
	WDR	120dB									
BLC	Supported										



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	Type	IP Dual Sensor Temperature Detection Thermal PTZ Camera
<b>VIDEO</b>	Video Compression	H.265+, H.265, H.264, MJPEG
	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
	Bit Rate	Thermal: 100Kbps ~ 6Mbps Visible: 100Kbps ~ 12Mbps
	Defog	Supported
	Motion Detection	Supported
	DVE Image Enhance	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
<b>AUDIO</b>	Audio Compression	G.711A/G.711U, RAW_PCM
	Audio Bitrate	8 kbps ~ 16kbps
	Audio I/O	2/2
<b>TEMPERATURE</b>	Detection Mode	Spot, Line, Area
	Alarm	Over/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)	
<b>SMART</b>	Behaviour Detection	Thermal/Visible: Intrusion (Perimeter), Crossline (Tripwire), Double Crossline (Double Tripwire)
	Intelligent Identification	Thermal: Abandoned Object (Object Left), Missing Object(Object Lost) Visible: Loitering, Multi Loitering, Abandoned Object (Object Left), Missing Object(Object Lost)
	Statistical Analysis	Visible: Abnormal Speed, Wrong Way Detection, Illegal Parking, Signal Bad
	Alarm Management	Motion Detection, Tampering Alarm, Disk Full Alarm, Temperature Alarm, Input / Output Alarm, Network Alarm
<b>INTERFACE</b>	Protocols	TCP/IP, UDP, IPv4, IPv6, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP/RTCP, RTSP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP V2/V3, 802.1x, QoS, Unicast, Multicast, SNMP, ARP, SSL / TLS 1.2
	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	1xRS485
	BNC	Supported
	Edge Storage	SD card slot, up to 128 GB
	Alarm Interface	3 Input / 3 Output
	Heater & Blower	Supported (Optional)
	Max. User access	32
Client Application	EyeGuard	
<b>PAN &amp; TILT</b>	Pan Range	0° ~ 360° (Endless)
	Pan Speed	Pan Manual Speed: 0.01° - 60°/s, Pan Preset Speed: 0.01° ~60° /s;
	Tilt Range	-75° ~ +40°
	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	

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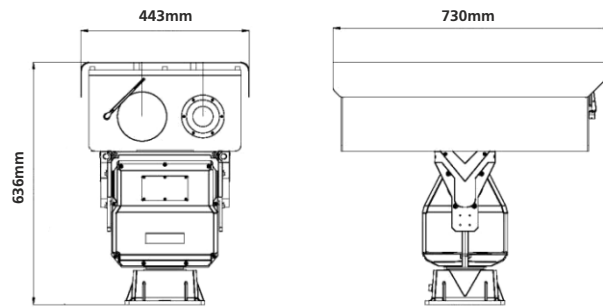


ENC-HHP5Z-32X-39

## SPECIFICATION

MODEL	
Model No.	ENC-HHP5Z-32X-39
Type	IP Dual Sensor Temperature Detection Thermal PTZ Camera
GENERAL	
Power Supply	DC36V
Max. Power consumption	150W
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	443×730×636mm
Weight	48Kg

Dimension Unit: mm



## ORDERING INFORMATION

Part Number	Description	Standard Quantity
ENC-HHP5Z-32X-39	2MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 32X 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-32X-39	Carton Box	-	-