

# IP DUAL SENSOR THERMAL PTZ CAMERA

## ENC-HHP7Z-32X-37

### FEATURES

400x300 Uncooled VOx Micro Bolometer Detector

Sensitivity  $\leq 40\text{mK}$

75/100 mm Motorized Focus Thermal Lens

Areas / Spot / Line Temperature Measurement Rule Support

17 Color Patterns Support

IP67



### SPECIFICATION

<b>MODEL</b>	<b>Model No.</b>	<b>ENC-HHP7Z-32X-37</b>
	<b>Type</b>	IP DUAL SENSOR THERMAL PTZ CAMERA
<b>THERMAL CAMERA</b>	<b>Detector Type</b>	Uncooled VOx Focal Plane Arrays
	<b>Effective Pixels</b>	400x300 and Image can be scaled up to 704x576
	<b>Pixel Size</b>	17um
	<b>Thermal Sensitivity (NETD)</b>	$\leq 40\text{ mK}$
	<b>Spectral Range</b>	8~14um
	<b>Image Settings</b>	Brightness, Sharpness, Contrast, Mirror, 2D/3D DNR, Mirror / Flip, FFC
	<b>Color Palettes</b>	White & Black Hot, Ironbow, Rainbow etc. up to 17 modes
<b>THERMAL LENS</b>	<b>Iris</b>	Fixed IRIS
	<b>Lens</b>	Fixed
	<b>Focus Control</b>	Motorized Focus
	<b>Focal Length</b>	75/100 mm
	<b>F No</b>	F1.0
	<b>Angle of View</b>	75 mm : 5.1°(H), 3.8°(V) 100 mm : 3.8°(H), 2.3°(V)
	<b>Detection</b>	75 mm: Human(1.8mx0.5m) - 2203 m, Vehicle(4.0mx1.5m) - 6765 m 100 mm: Human(1.8mx0.5m) - 2937 m, Vehicle(4.0mx1.5m) - 9020 m
	<b>Recognition</b>	75 mm: Human(1.8mx0.5m) - 551 m, Vehicle(4.0mx1.5m) - 1691 m 100 mm: Human(1.8mx0.5m) - 734m, Vehicle(4.0mx1.5m) - 2255 m
	<b>Identification</b>	75 mm: Human(1.8mx0.5m) - 275 m, Vehicle(4.0mx1.5m) - 846 m 100 mm: Human(1.8mx0.5m) - 367m, Vehicle(4.0mx1.5m) - 1127 m
	<b>Fire Detection</b>	75 mm: Fire(0.2mx0.2m) - 441 m, Fire (1.0mx1.0m) - 2206 m 100 mm: Fire(0.2mx0.2m) - 588 m, Fire (1.0mx1.0m) - 2941 m

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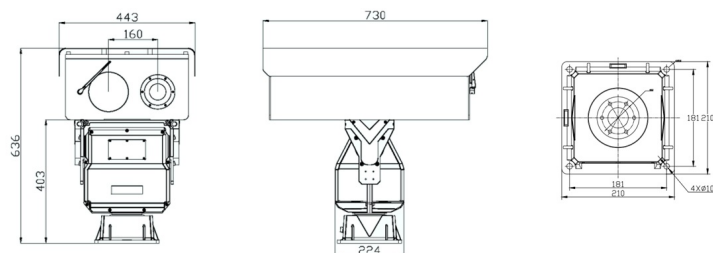
MODEL	Model No.	ENC-HHP7Z-32X-37
	Type	IP DUAL SENSOR THERMAL PTZ CAMERA
VISIBLE CAMERA	Image Sensor	1/2.8" CMOS
	Max Resolution	2592 x 1520
	Focal Length	12.5 ~ 400 mm (Optional 15.6 ~ 500 mm )
	Focus Control	Auto/Semi-Auto/Manual
	Angle of View(H)	23.8° ~ 0.8° (Optional 19.2° ~ 0.6°)
	Angle of View(V)	14° ~ 0.4° (Optional 11.6° ~ 0.3°)
	Angle of View(D)	27.6° ~ 0.8° (Optional 22.4° ~ 0.6°)
	Max Aperture	F3.1 ~ F16
	Optical Zoom	32x
	Digital Zoom	16x
	Electronic Shutter	1s ~ 1/100,000s, Auto/Manual
	Min. illumination	Color:0.03 lux @ F3.1, B/W:0.0003 lux
	AGC	Auto/Manual
	Defog	Optical Defog
S/N Ratio	≥50dB	
WDR	120dB	
Wavelength	850 nm	
VIDEO	Video Compression	Enhanced (H.265, H.264), H.265, H.264, MJPEG
	Frame Rate	Main Stream: Thermal: 704×576 @25/30fps; Visible: 2592×1520, 1920×1080, 1280×720 @25/30fps Sub Stream: Thermal: (352×288) @25/30fps; Visible: (704×576, 640×480, 640×360, 352×288, 320×240) @25/30fps
	Stream Settings	i-Frame, PAL/NTSC, Frame Rate
	Bit Rate Control	CBR, VBR
	Bit Rate	Thermal: 100Kbps ~ 6Mbps Visible: 100Kbps ~ 12Mbps
	BLC	Supported
	OSD	Up to 8 regions
	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	64 kbps, 128kbps
	Audio I/O	2/2
SMART	Behaviour Detection	Thermal/Visible: Intrusion (Perimeter), Crossline (Tripwire), Double Crossline (Double Tripwire)
	Intelligent Identification	Thermal/Visible: Loitering, Region Entry / Exit Detection, Smoke Detection, Flame Detection, Flame Point Detection
	Statistical Analysis	Thermal/Visible: People Counting, Wrong Way Detection, Human and Vehicle Detection, Temperature Detection
	Alarm Management	Motion Detection, Tampering Alarm, Disk Full Alarm, Temperature Alarm, Input / Output Alarm, Network Alarm
	Alarm Notification	E-mail (Notification & Snapshot), HTTP (Alarm icon), FTP (Snapshot & Recording), SD Card (Recording)
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	≤ 30ms
	Measurement range	-20°C ~ 150°C (-4°F to 302°F)

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MODEL	Model No.	ENC-HHP7Z-32X-37
	Type	IP DUAL SENSOR THERMAL PTZ CAMERA
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, 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, M), CGI/SDK
	Network	1x RJ45 10M/100M Self Adaptive Ethernet Port
	Serial Interface	1xRS485
	BNC	Supported
	Edge Storage	SD card slot, up to 512 GB
	Alarm I/O	3/3
	Heater & Blower	Supported (Optional)
	Max User	32
	Client Application	EyeGuard
PAN AND TILT	Pan Range	0° ~ 360° (Endless)
	Pan Speed	Pan Manual Speed: 0.01° ~ 30°/s, Pan Preset Speed: 30°/s
	Tilt Range	-45° ~ +45°
	Tilt Speed	Tilt Manual Speed: 0.01° ~ 15° /s, Tilt Preset Speed: 15°/s
	Preset Accuracy	±0.1°
	Number of Presets	400
	3D Position	Supported
	Power Off Memory	Supported
	PTZ Mode	8 Scan, 12 Tour, 6 Track (Up to 32 Presets Per Scan)
	Speed Setup	Auto/Manual (0-8)
GENERAL	Power Supply	36V DC
	Max. Power consumption	≤150W
	Working Temperature	-40 °C ~ 70 °C
	Working Humidity	≤95% RH
	Casing	Metal
	Ingress Protection	IP67
	Vandal Resistant	IK10 (Housing)
	Surge Protection	TVS6000V
	Reset Button	Supported
	Dimensions	730x443x636 mm
Net Weight	48 Kg	

Dimension Unit : mm



### ORDERING INFORMATION

Part Number	Description	Standard Quantity
ENC-HHP7Z-32X-37	4MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 32X Optical Zoom and Thermal Imaging Camera with 400*300 Thermal Resolution and SD Card Slot Support	1

# IP DUAL SENSOR THERMAL PTZ CAMERA

**ENC-HHP7Z-32X-37**

## PACKING INFORMATION

Part Number	Packing Mode	Gross weight(Kg)	Dimension(mm)
ENC-HHP7Z-32X-37	Carton Box	-	-