

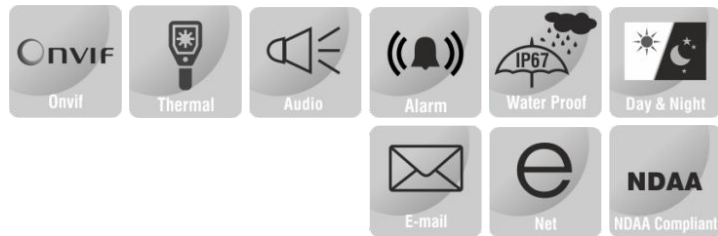
IP DUAL SENSOR THERMAL PTZ CAMERA



ENC-HHP7Z-37X-37

FEATURES

- 400x300 Uncooled VOx Micro Bolometer Detector
- Sensitivity $\leq 40\text{mK}$
- 25/50/75/100mm Motorized Focus Lens
- Areas / Spot / Line Temperature Measurement Rule Support
- 17 Color Patterns Support
- Electronic Image Stabilization
- IP67



SPECIFICATION

MODEL	Model No.	ENC-HHP7Z-37X-37												
	Type	IP DUAL SENSOR 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 Settings	Brightness, Sharpness, Contrast, 2D/3D DNR, Mirror / Flip, FFC												
	Color Palettes	White & Black Hot, Ironbow, Rainbow etc. up to 17 modes												
THERMAL LENS	Iris	Auto Fixed IRIS												
	Lens	Fixed												
	Focus Control	Motorized Focus												
	Focal Length	25/50/75/100 mm												
	F No	F1.0												
	Angle of View	25mm	50mm			75mm			100mm					
		15.4°(H), 11.6°(V)	7.7°(H), 5.8°(V)			5.1°(H), 3.8°(V)			3.8°(H), 2.3°(V)					
	Thermal imaging **	Object	Human(1.8mx0.5m)				Vehicle(4mx1.5m)				Fire(1mx1m)			
		Lens (mm)	25	50	75	100	25	50	75	100	25	50	75	100
		Detection(m)	735	1471	2206	2941	2255	4510	6765	9020	735	1471	2206	2941
Recognition(m)		184	368	551	735	564	1127	1691	2255	245	490	735	980	
Identification(m)		92	184	275	367	282	564	846	1127	123	245	368	490	

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MODEL	Model No.	ENC-HHP7Z-37X-37
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VISIBLE CAMERA	Image Sensor	1/1.8" CMOS
	Max Resolution	2592x1520
	Focal Length	6.8 ~ 251 mm
	Focus Control	Auto/Semi Auto/Manual
	Angle of View(H)	60.7° ~ 2.3°
	Angle of View(v)	36.8° ~ 1.3°
	Angle of View(D)	70.9° ~ 2.6°
	Max Aperture	F1.5 ~ F4.8
	Optical Zoom	37X
	Digital Zoom	16X
	Shutter Speed	1s ~ 1/100,000s, Auto/Manual
	Min. illumination	Color:0.001 lux @ F1.5, B/W:0.0001 lux
	AGC	Auto/Manual
	Defog	Smart Defog
S/N Ratio	≥55dB	
WDR	120dB	
VIDEO	Video Compression	H.265+, H.265, H.264, MJPEG
	Frame Rate	Main Stream: Thermal: (704x576) @25/30fps; Visible: (2592x1520, 2304x1296, 1920x1080, 1280x720) @25/30fps Sub Stream: Thermal: (352x288) @25/30fps; Visible: (704x576, 640x480, 352x288) @25/30fps
	Bit Rate Control	CBR, VBR
	Bit Rate	Thermal: 100Kbps ~ 6Mbps Visible: 100Kbps ~ 16Mbps
	DVE Image Enhance	Supported
	BLC	Supported
	HLC	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	64kbps, 128kbps
	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	≤ 30ms
	Measurement range	-20°C ~ 150°C
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), CGI/SDK
	Network	1xRJ45 10M/100M Self Adaptive Ethernet Port
	Serial Interface	1xRS485
	BNC	Supported
	Edge Storage	SD card slot, up to 256 GB
	ANR	Supported
	Alarm I/O	9/4
	Heater & Blower	Supported (Optional)
	Max.User	32
	Client Application	EyeGuard
	Wiper	Supported

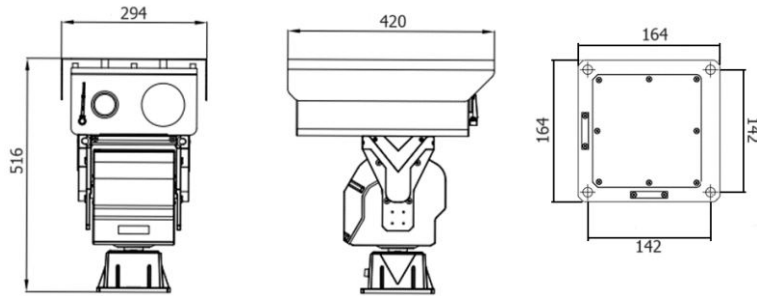
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ENC-HHP7Z-37X-37

MODEL	Model No.	ENC-HHP7Z-37X-37
	Type	IP DUAL SENSOR THERMAL PTZ CAMERA
SMART	Behaviour Detection	Thermal / Visible: Intrusion (Perimeter), Crossline (Tripwire), Double Crossline (Double Tripwire)
	Intelligent Identification	Thermal / Visible: Multi Loitering, Region Entry / Exit
	Statistical Analysis	Wrong Way Detection, People Counting, Human / Vehicle Detection, Smoke and Fire Detection
	Alarm Management	Motion Detection, Tampering Alarm, Disk Full Alarm, Temperature Alarm, Input / Output Alarm
	Alarm Notification	E-mail, HTTP, FTP, SD card & Alarm Out (Event Notification/ Recording/ Snapshot upload through E-mail, HTTP,FTP & 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	-75° ~ +40°
	Tilt Speed	Tilt Manual Speed: 0.01° ~ 30° /s, Tilt Preset Speed: 30° /s
	Preset Accuracy	±0.2°
	Number of Presets	400
	Power Off Recovery	Supported
	3D Position	Supported
	PTZ Mode	8 Scan, 6 Track, 12 Patrols (32 Presets per Patrol)
	Speed Setup	Auto/Manual (0-8)
GENERAL	Idle Motion	Activate Preset/ Scan/Tour/Pattern if there is no command in the specified period
	Power Supply	DC 36V
	Max. Power consumption	100 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	294x420x516 mm
	Weight	25Kg

Dimension Unit : mm



ORDERING INFORMATION

Part Number	Description	Standard Quantity
ENC-HHP7Z-37X-37	4MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 37X 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-HHP7Z-37X-37	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.

★Product specification and availability are subject to change without notice.