

IP DUAL SENSOR THERMAL PTZ CAMERA



ENC-HHP7Z-60X-37

FEATURES

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



SPECIFICATION

MODEL	Model No.	ENC-HHP7Z-60X-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, Mirror, 3D DNR, Mirror / Flip, FFC						
	Color Palettes	White & Black Hot, Ironbow, Rainbow etc. up to 17 modes						
	Iris	Auto Fixed IRIS						
THERMAL LENS	Lens	Fixed						
	Digital Zoom	16x						
	Focus Control	Motorized Focus						
	Focal Length	75/100 mm						
	F No	F1.0						
	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)	
		Lens(mm)	75	100	75	100	75	100
		Detection(m)	2206	2941	6765	9020	2206	2941
Recognition(m)		551	735	1691	2255	735	980	
Identification(m)		275	367	846	1127	368	490	

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VISIBLE CAMERA	Image Sensor	1/2.8" CMOS
	Max Resolution	2592x1520
	Focal Length	12.5 ~ 750mm (Optional 16.7 ~ 1000mm)
	Focus Control	Auto/Manual
	Angle of View (H)	23.8° ~ 0.4° (Optional 17.9° ~ 0.3°)
	Angle of View (V)	14.0° ~ 0.2° (Optional 10.5° ~ 0.1°)
	Angle of View (D)	27.6° ~ 0.4° (Optional 20.7° ~ 0.4°)
	Max Aperture	F3.1~ F16
	Optical Zoom	60x
	Digital Zoom	16x
	Shutter Speed	1s ~ 1/100,000s, Auto/Manual
	Min. illumination	Color:0.001 lux @ F1.2, 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, 1920x1080, 1280x720) @25/30fps Sub Stream: Thermal: (352x288) @25/30fps; Visible: (704x576, 640x480, 640x360, 352x288, 320x240) @25/30fps
	Bit Rate Control	CBR, VBR
	Bit Rate	Thermal: 100Kbps ~ 6Mbps Visible: 100Kbps ~ 12Mbps
	Defog	Supported
	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
Audio Bitrate		8 kbps, 16kbps
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 (Optional -20°C ~ 550°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	1x RJ45 10M/100M Self Adaptive Ethernet Port
	Serial Interface	1xRS485
	BNC	Supported
	ANR	Supported
	Edge Storage	SD card slot, up to 256 GB
	Alarm I/O	3/3
	Heater & Blower	Supported (Optional)
	Max.User	32
Client Application	EyeGuard	

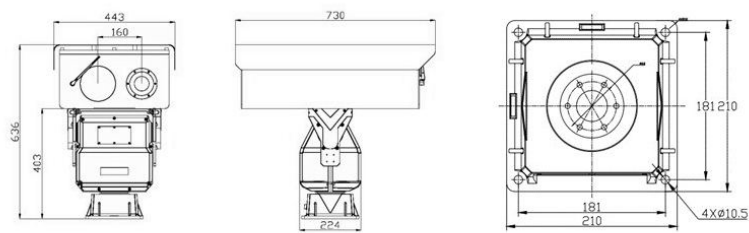
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SMART	Behaviour Detection	Thermal/Visible: Intrusion (Perimeter), Crossline (Tripwire), Double Crossline (Double Tripwire)
	Intelligent Identification	Thermal / Visible: Multi Loitering, Region Entry / Exit
	Statistical Analysis	Visible: Abnormal Speed, Wrong Way Detection
	Alarm Management	Motion Detection, Tampering Alarm, Disk Full Alarm, Temperature Alarm, Input / Output Alarm, Network 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°~ 30°/s, Pan Preset Speed: 0.01° ~ 30° /s
	Tilt Range	-45° ~ +45°
	Tilt Speed	Tilt Manual Speed: 0.01° ~ 15° /s, Tilt Preset Speed: 0.01° ~ 15° /s
	Preset Accuracy	±0.1°
	Number of Presets	400
	Power off Recovery	Supported
	3D Position	Supported
	PTZ Mode	8 Auto Scan, 12 Patrols, 6 Track (32 Presets per Scan)
	Speed Setup	Auto/Manual (0-8)
	Idle Motion	Activate Preset/ Scan/Tour/Pattern if there is no command in the specified period
GENERAL	Power Supply	DC 36V
	Max. Power consumption	150 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	730×443×636mm
	Weight	48Kg

Dimension Unit : mm



ORDERING INFORMATION

Part Number	Description	Standard Quantity
ENC-HHP7Z-60X-37	4MP 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-HHP7Z-60X-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.