

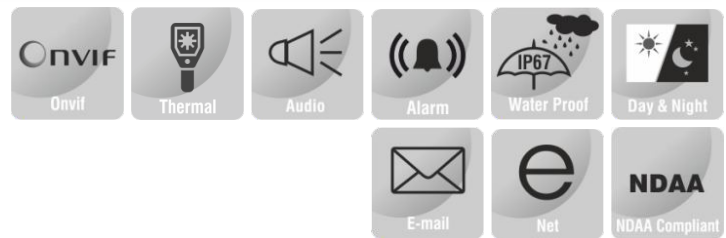
IP DUAL SENSOR THERMAL PTZ CAMERA



ENC-HHP7Z-30X-37

FEATURES

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



SPECIFICATION

MODEL	Model No.	ENC-HHP7Z-30X-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	17 μm			
	Thermal Sensitivity (NETD)	$\leq 40\text{ mK}$			
	Spectral Range	8~14 μm			
	Image Settings	Brightness, Sharpness, Contrast, 2D/3D DNR, Mirror / Flip, FFC			
	Color Palettes	White & Black Hot, Ironbow, Rainbow etc. up to 17 modes			
	Iris	Auto Fixed IRIS			
LENS	Lens	Fixed			
	Focus Control	Motorized Focus			
	Focal Length	25 mm			
	F No	1.0			
	Angle of View	15.4°(H), 11.6°(V)			
	Thermal Imaging	Object	Human(1.8 x0.5m)	Vehicle(4 x1.5m)	Fire(1 x1m)
		Lens (mm)	25	25	25
		Detection (m)	735	2255	735
		Recognition (m)	184	564	245
		Identification (m)	92	282	123
VISIBLE CAMERA	Image Sensor	1/2.8" Sony CMOS			
	Max Resolution	2592 x 1520			
	Focal Length	4.5 ~ 135 mm (Option 4.3 ~ 129 mm)			
	Optical Zoom	30x			
	Digital Zoom	16x			
	Focus Control	Auto / Semi Auto / Manual			
	Max Aperture	F1.6 ~ F4.3			
	Shutter Speed	1s ~ 1/100,000s, Auto/Manual			
	Min. illumination	Color:0.01 lux @ F1.2, B/W:0.001 lux, with IR			
	AGC	Auto / Manual			
	Angle of View(H)	60.7° ~ 2.2° (Optional 63.0° ~ 2.3°)			
	Angle of View(V)	34.2° ~ 1.2° (Optional 37.0° ~ 1.2°)			
	Angle of View(D)	69.7° ~ 2.5° (Optional 73.0° ~ 2.5°)			
S/N Ratio	$\geq 55\text{dB}$				
WDR	120dB				
Smart IR	Up to 30 m				
Wavelength	850 nm				

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VIDEO	Video Compression	H.265+, 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, 352×288) @25/30fps
	Bit Rate Control	CBR, VBR
	Bit Rate	Thermal: 10Kbps ~ 6Mbps Visible: 100Kbps ~ 12Mbps
	Defog	Supported
	DVE Image Enhance	Supported
	BLC	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		64kbps
Audio I/O		1/1
TEMPERATURE	Detection Mode	Spot, Line, Area
	Alarm	Over / Difference Alarm
	Accuracy	±2°C / ±2%
	Response Time	≤ 30 ms
	Measurement range	-20°C ~ 150°C
	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	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP/RTCP, RTSP, PPPoE, NTP, UPnP, SMTP (SSL/TLS), IGMP, 802.1x, QoS, Unicast, SNMP, ARP
	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	2x RJ45 10M/100M Self Adaptive Ethernet Port
	Serial Interface	1xRS485
	BNC	Supported
	CVBS Output	Supported
	Edge Storage	SD card slot, up to 256 GB
	Alarm I/O	0/1
	Heater	Supported (Optional)
	Fan	Supported
	Max. User	32
	Client Application	EyeGuard
	Wiper	Supported
SMART	Behaviour Detection	Thermal/Visible: Intrusion (Perimeter), Crossline (Tripwire), Double Crossline (Double Tripwire)
	Intelligent Identification	Thermal: Region Entry / Exit Visible: Loitering, Multi Loitering
	Statistical Analysis	Visible: Wrong Way Detection, People Counting
	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: 30° /s;
	Tilt Range	-90° ~ +90°
	Tilt Speed	Tilt Manual Speed: 0.01° ~10° /s, Tilt Preset Speed: 10° /s
	Number of Presets	400
	PTZ Mode	8 Scan, 12 Patrols, 6 Track (32 Presets Per Scan)
	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	

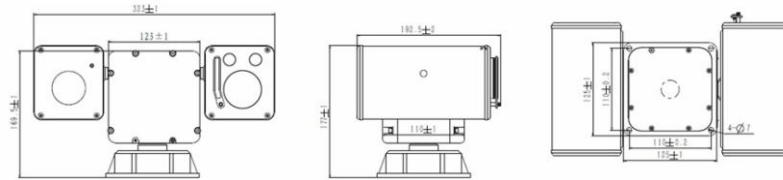
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MODEL		ENC-HHP7Z-30X-37
Type		IP DUAL SENSOR THERMAL PTZ CAMERA
GENERAL	Power Supply	DC 24V
	Max. Power consumption	55 W
	Working Temperature	-40 °C ~ 60 °C
	Working Humidity	≤95% RH
	Casing	Metal
	Ingress Protection	IP67
	Vandal Resistant	IK10 (Housing)
	Surge Protection	TVS6000V
	Reset Button	Supported
	Dimensions	323 × 192.5 × 177 mm
	Weight	5 Kg

Dimension Unit : mm



ORDERING INFORMATION

Part Number	Description	Standard Quantity
ENC-HHP7Z-30X-37	4MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 30X 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-30X-37	Carton Box	-	-