

IP DUAL SENSOR THERMAL PTZ CAMERA

ENC-HHP7Z-30X-37

FEATURES

400x300 Uncooled VOx Micro Bolometer Detector

Sensitivity $\leq 40\text{mK}$

25 mm Motorized Focus Lens

Areas / Spot / Line Temperature Measurement Rule Support

17 Color Patterns Support

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	17um
	Thermal Sensitivity (NETD)	$\leq 40\text{ mK}$
	Spectral Range	8~14um
	Image Settings	Brightness, Sharpness, Contrast, 2D/3D DNR, Mirror / Flip, FFC
THERMAL LENS	Color Palettes	White & Black Hot, Ironbow, Rainbow etc. up to 17 modes
	Iris	Auto Fixed IRIS
	Lens	Fixed
	Focus Control	Motorized Focus
	Focal Length	25 mm
	F No	1.0
	Angle of View	15.4°(H), 11.6° (V)
	Detection Distance	Human(1.8mx0.5m) - 735 m, Vehicle(4.0mx1.5m) - 2255 m
Recognition Distance	Human(1.8mx0.5m) - 184 m, Vehicle(4.0mx1.5m) - 564 m	
Identification Distance	Human(1.8mx0.5m) - 92 m, Vehicle(4.0mx1.5m) - 282 m	
Fire Detection	Fire(0.2mx0.2m) - 147 m, Fire (1.0mx1.0m) - 735 m	

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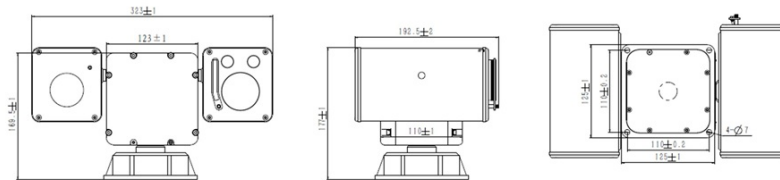
MODEL	Model No.	ENC-HHP7Z-30X-37
	Type	IP DUAL SENSOR THERMAL PTZ CAMERA
VISIBLE CAMERA	Image Sensor	1/2.8" Sony CMOS
	Max Resolution	2592 x 1520
	Focal Length	5.3 ~ 159 mm
	Focus Control	Auto/Semi-Auto/Manual
	Angle of View (V)	41.6° ~ 1.7°
	Angle of View (H)	55.0° ~ 2.3°
	Angle of View (D)	68.6° ~ 2.8°
	Max Aperture	F1.6 ~ F4.3
	Optical Zoom	30x
	Digital Zoom	16x
	Electronic Shutter	1s ~ 1/100,000s, Auto/Manual
	Min. illumination	Color: 0.01 Lux @ F1.6, B/W: 0.001 Lux with IR
	AGC	Auto / Manual
	S/N Ratio	≥55dB
WDR	120dB	
Smart IR	Up to 30m	
VIDEO	Video Compression	Enhanced (H.265) H.265, H.264, MJPEG
	Frame Rate	Main Stream: Thermal: 704x576 @25/30fps ; Visible: (2592x1520,2560x1440,2304x1296,1920x1080,1280x720) @25/30fps Sub Stream: Thermal: 352x288 @25/30fps ; Visible: (704x576,640x480,352x288) @25/30fps
	Stream Settings	i-Frame, PAL/NTSC, Frame Rate
	Bit Rate Control	CBR, VBR
	Bit Rate	Thermal: 10Kbps ~ 6Mbps Visible: 100Kbps ~ 12Mbps
	Defog	Supported
	HLC	Supported
	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	64kbps, 128kbps
	Audio I/O	1 / 1
SMART	Behaviour Detection	Thermal/Visible: Intrusion (Perimeter), Crossline (Tripwire), Double Crossline (Double Tripwire)
	Intelligent Identification	Thermal/Visible: Loitering, Region Entry / Exit, Abandoned Object (Object Left), Missing Object (Object Lost)
	Statistical Analysis	Thermal/Visible: 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, Network Alarm
TEMPERATURE	Alarm Notification	E-mail (Notification & Snapshot), HTTP (Alarm icon), FTP (Snapshot & Recording), SD Card (Recording)
	Detection Mode	Spot, Line, Area (Total 20 Rules - 1 Full Screen and 19 others)
	Alarm	Over / Difference Alarm
	Accuracy	±2°C / ±2%
	Response Time	≤ 30 ms
	Measurement range	-20°C ~ 150°C (-4°F~302°F)

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MODEL		ENC-HHP7Z-30X-37	
Type		IP DUAL SENSOR THERMAL PTZ CAMERA	
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, M), CGI / SDK	
	Network	2x RJ45 10M/100M Self Adaptive Ethernet Port	
	Serial Interface	1xRS485	
	Edge Storage	SD card slot, up to 512 GB	
	Alarm I/O	0/1	
	Heater	Supported (Optional)	
	Fan	Supported	
	Max. User	32	
	Wiper	Supported	
	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		-90° ~ +90°	
Tilt Speed		Tilt Manual Speed: 0.01° ~ 10° /s, Tilt Preset Speed: 10°/s	
Preset Accuracy		±0.1°	
Number of Presets		400	
3D Position		Supported	
Power Off Memory		Supported	
PTZ Mode		12 Patrols, 6 Track, 8 Scan (32 Presets Per Scan)	
Speed Setup		Auto/Manual (0-8)	
GENERAL	Power Supply	24V DC	
	Max. Power consumption	≤55 W	
	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	323 × 192.5 × 177 mm	
	Net 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

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PACKING INFORMATION

Part Number	Packing Mode	Gross weight(Kg)	Dimension(mm)
ENC-HHP7Z-30X-37	Carton Box	-	-