

IP DUAL SENSOR THERMAL PTZ CAMERA



ENC-HPT7Z-30X-39

FEATURES

640x512 Uncooled VOx Micro Bolometer Detector

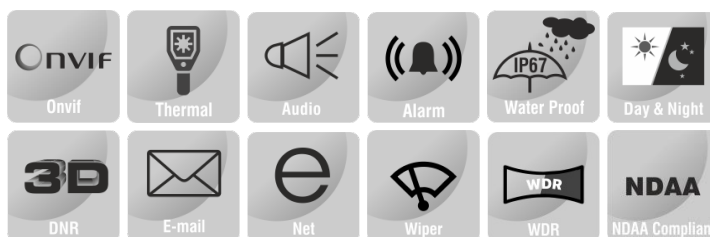
Sensitivity $\leq 40\text{mK}$

9/15/25 mm (Fixed Focus Lens) / 25 mm (Motorized Focus Lens)

Areas / Spot / Line Temperature Measurement Rule Support

17 Color Patterns Support

IP67



SPECIFICATION

MODEL	Model No.	ENC-HPT7Z-30X-39
	Type	IP DUAL SENSOR THERMAL PTZ CAMERA
THERMAL CAMERA	Detector Type	Uncooled VOx Focal Plane Arrays
	Effective Pixels	640x512 and Image can be scaled up to 1280x1024
	Pixel Size	12um
	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
	Digital Zoom	16x
	Focus Control	Fixed / Motorized
	Focal Length	9/15/25 mm (Fixed Focus Lens) / 25 mm (Motorized Focus Lens)
	F No	1.0
	Angle of View	9 mm: 48° (H), 38° (V) 15 mm: 32° (H), 26° (V) 25 mm: 17° (H), 14° (V)
	Detection	9 mm: Human (1.8mx0.5m) - 375 m, Vehicle (4.0m x1.5m) - 1150 m 15 mm: Human (1.8mx0.5m) - 624 m, Vehicle (4.0m x1.5m) - 1917 m 25 mm: Human (1.8mx0.5m) - 1040 m, Vehicle (4.0m x1.5m) - 3194 m
	Recognition	9 mm: Human (1.8mx0.5m) - 34 m, Vehicle (4.0m x1.5m) - 288 m 15 mm: Human (1.8mx0.5m) - 156 m, Vehicle (4.0m x1.5m) - 479 m 25 mm: Human (1.8mx0.5m) - 260 m, Vehicle (4.0m x1.5m) - 799 m
	Identification	9 mm: Human (1.8mx0.5m) - 47 m, Vehicle (4.0m x1.5m) - 144 m 15 mm: Human (1.8mx0.5m) - 78 m, Vehicle (4.0m x1.5m) - 240 m 25 mm: Human (1.8mx0.5m) - 130 m, Vehicle (4.0m x1.5m) - 399 m
	Fire Detection	9 mm: Fire (0.2mx0.2m) - 75 m, Fire (1.0mx1.0m) - 375 m 15 mm: Fire (0.2mx0.2m) - 125 m, Fire (1.0mx1.0m) - 625 m 25 mm: Fire (0.2mx0.2m) - 208 m, Fire (1.0mx1.0m) - 1042 m

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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 (H)	55.0° ~ 2.5°
	Angle of View (V)	41.6° ~ 1.9°
	Angle of View (D)	64.9° ~ 3.1°
	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
	Defog	Smart Defog
WDR	120dB	
Smart IR	Up to 30m	
Detection	104.0 ~ 3120.0 m	
Observation	41.6 ~ 1248 .0 m	
Recognition	20.8 ~ 624.0 m	
Identification	10.4 ~ 312.0 m	
VIDEO	Video Compression	Enhanced (H.265, H.264), H.265, H.264, MJPEG
	Frame Rate	Main Stream: Thermal: (1280×1024, 1280×720, 640×512) @25fps @25/30fps; Visible: (2592×1520, 2560×1440, 2304×1296, 1920×1080, 1280×720) @25/30fps Sub Stream: Thermal: (704×576, 352×288) @25/30fps; Visible: (704×576, 640×480, 352×288) @25/30fps
	Bit Rate Control	CBR, VBR
	Bit Rate	Thermal: 100Kbps ~ 8Mbps Visible: 100Kbps ~ 12Mbps
	DVE Image Enhance	Supported
	BLC	Supported
	HLC	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, 128 kbps
	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 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, Disk Full Alarm, Temperature Alarm, Input / Output Alarm, IVS Alarm
TEMPERATURE	Alarm Notification	E-mail (Notification and Snapshot), HTTP (Alarm Icon), FTP (Snapshot and 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 to 302°F)

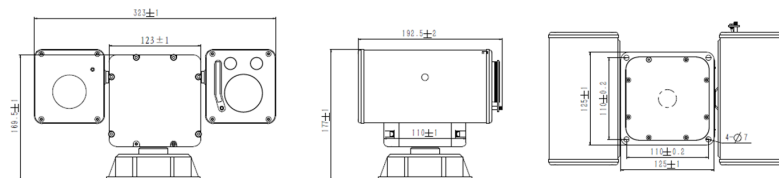
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ENC-HPT7Z-30X-39

MODEL	Model No.	ENC-HPT7Z-30X-39
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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, Multicast, SNMP, ARP
	Security	AES 128/256 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
	CVBS Output	Supported
	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
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°
3D Position		Supported
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
GENERAL	Power Supply	24V DC
	Max. Power consumption	≤40W
	Working Temperature	-30 °C ~ 70 °C
	Working Humidity	≤95% RH
	Casing	Metal
	Ingress Protection	IP67
	Surge Protection	TVS6000V
	Reset Button	Supported
	Dimensions	322 ×192 ×163 mm
Weight	5Kg	

Dimension Unit : mm



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ENC-HPT7Z-30X-39

ORDERING INFORMATION

Part Number	Description	Standard Quantity
ENC-HPT7Z-30X-39	4MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 30X Optical Zoom and Thermal Imaging Camera with 640*512 Thermal Resolution and SD Card Slot Support	1

PACKING INFORMATION

Part Number	Packing Mode	Gross weight(Kg)	Dimension(mm)
ENC-HPT7Z-30X-39	Carton Box	-	-