

# IP DUAL SENSOR THERMAL PTZ CAMERA



## ENC-HPT7Z-80X-39

### FEATURES

640x512 Uncooled VOx Micro Bolometer Detector

Sensitivity  $\leq 40\text{mK}$

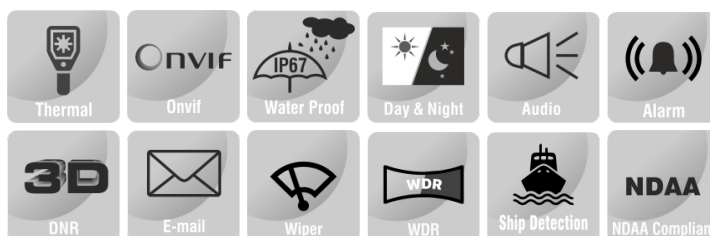
25 ~ 225 mm Motorized Thermal Lens

Built-in Boat/Ship Detection

Areas / Spot / Line Temperature Measurement Rule Support

17 Color Patterns Support

IP67



### SPECIFICATION

MODEL	Model No.	ENC-HPT7Z-80X-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 1920x1080
	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
	Iris	Auto
THERMAL LENS	Lens	Motorized
	Focus Control	Motorized
	Focal Length	25 ~ 225 mm
	F No	F1 ~ F1.5
	Digital Zoom	16x
	Angle of View	25 ~ 225 mm: 24.5° ~ 2.7°(H), 19.7° ~ 2.2° (V), 31.4° ~ 3.4° (D)
	Detection	25 ~ 225 mm: Human (1.8m×0.5m) - 735 ~ 6618 m, Vehicle (4.0m×1.5m) - 2255 ~ 20294 m
	Recognition	25 ~ 225 mm: Human (1.8m×0.5m) - 184 ~ 1654 m, Vehicle (4.0m×1.5m) - 564 ~ 5074 m
Identification	25 ~ 225 mm: Human (1.8m×0.5m) - 92 ~ 827 m, Vehicle (4.0m×1.5m) - 282 ~ 2537 m	

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

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	Type	IP DUAL SENSOR THERMAL PTZ CAMERA
VISIBLE CAMERA	Image Sensor	1/1.8" Sony CMOS
	Max Resolution	2560 x 1440
	Focal Length	12.5 ~ 1000 mm
	Focus Control	Auto/Semi Auto/Manual
	Angle of View (H)	33.9° ~ 0.4°
	Angle of View (V)	19.5° ~ 0.2°
	Angle of View (D)	39.1° ~ 0.4°
	Max Aperture	F3.5 ~ F16
	Optical Zoom	80x
	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
	Defog	Optical Defog
	WDR	120dB
	VIDEO	Laser IR
Wavelength		1535 nm ± 10 nm
Detection		12.5 ~ 1000 mm: 172 ~ 13793 m
Observation		12.5 ~ 1000 mm: 70 ~ 5562 m
Recognition		12.5 ~ 1000 mm: 34 ~ 2759 m
Identification		12.5 ~ 1000 mm: 17 ~ 1379 m
Video Compression		Enhanced (H.265, H.264), H.265, H.264, MJPEG
Frame Rate		Main Stream: Thermal: (1920x1080, 1280x1024, 1280x720, 640x512) @25/30 fps; Visible: (2560x1440, 1920x1080, 1280x720) @25/30fps Sub Stream: Thermal: (704x576, 640x480, 640x512, 352x288) @25/30 fps; Visible: (704x576, 640x480, 352x288) @25/30fps
Stream Settings		i-Frame, PAL/NTSC, Frame Rate
Video Bit Rate		Thermal: 100Kbps ~ 12Mbps Visible: 32Kbps ~ 16Mbps
Bit Rate Type		CBR, VBR
Image Settings		Brightness, Contrast, Saturation, Sharpness, Day/Night (Color, Mono, Auto), Flip/Mirror/Rotation, Multiple Scene & Profile
White Balance		Auto, Day/Night, Tungsten, Fluorescent, Shadow, Manual
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 Thermal: Region Entry / Exit Detection, Flame Point Detection Visible: Smoke Detection, Flame Detection
	Statistical Analysis	Thermal/Visible: People Counting, Wrong Way Detection, Human and Vehicle Detection, Boat/Ship Detection, Temperature Detection Visible: Face Detection
	Alarm Management	Motion Detection, Tampering (Masking), Input & Output Event, Network Alarm, Disk Alarm, Day Night Switch Alarm, Abnormal Audio Alarm, Pre/Post Alarm Recording, Alarm Recording/Snapshot
	Alarm Notification	E-mail (Notification and Snapshot), HTTP (Alarm Icon), FTP (Snapshot and Recording), SD Card (Recording)

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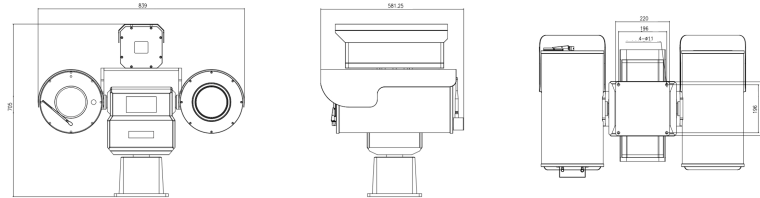
<b>MODEL</b>	<b>Model No.</b>	<b>ENC-HPT7Z-80X-39</b>
	<b>Type</b>	IP DUAL SENSOR THERMAL PTZ CAMERA
<b>TEMPERATURE</b>	<b>Detection Mode</b>	Spot, Line, Area (Total 20 Rules - 1 Full Screen and 19 others)
	<b>Alarm</b>	Over/Difference Alarm
	<b>Accuracy</b>	±8°C
	<b>Response Time</b>	≤30 ms
	<b>Measurement Range</b>	-20°C ~ 150°C (-4°F ~ 302°F)
<b>INTERFACE</b>	<b>Protocols</b>	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
	<b>Security</b>	AES 128/256 Encryption, IP Filter, User Authentication (Multiple Privilege Level), HTTPS Authentication, Digest Authentication, User Access Log
	<b>Compatibility</b>	ONVIF (Profile S, G, T, M), CGI / SDK
	<b>Network</b>	1x RJ45 10M/100M Self Adaptive Ethernet Port
	<b>Serial Interface</b>	1xRS485
	<b>CVBS Output</b>	Supported
	<b>Edge Storage</b>	Micro SD Card Slot, up to 1 TB
	<b>Alarm I/O</b>	7/2
	<b>Built-in Heater</b>	Supported
	<b>Built-in Fan</b>	Supported
	<b>Wiper</b>	Supported
	<b>Remote Connection</b>	≤10
	<b>Max. User</b>	32
	<b>Web Language</b>	15
<b>Client Application</b>	EyeGuard	
<b>PAN AND TILT</b>	<b>Pan Range</b>	0° ~ 360° (Endless)
	<b>Pan Speed</b>	Pan Manual Speed: 0.01° ~ 60°/s, Pan Preset Speed: 60°/s
	<b>Tilt Range</b>	-90° ~ +90°
	<b>Tilt Speed</b>	Tilt Manual Speed: 0.01° ~ 30°/s, Tilt Preset Speed: 30°/s
	<b>Preset Accuracy</b>	± 0.1°
	<b>Number of Presets</b>	400
	<b>3D Position</b>	Supported
	<b>Power Off Memory</b>	Supported
<b>PTZ Status Display</b>	Supported	
<b>PTZ Mode</b>	8 Scan, 12 Patrols, 6 Track (32 Presets Per Scan)	
<b>GENERAL</b>	<b>Power Supply</b>	48V DC
	<b>Max. Power consumption</b>	≤270W
	<b>Working Temperature</b>	-40 °C ~ 70 °C
	<b>Working Humidity</b>	≤95% RH
	<b>Casing</b>	Aluminum Die Cast
	<b>Ingress Protection</b>	IP67
	<b>Vandal Resistant</b>	IK10 (Housing)
	<b>Surge Protection</b>	TVS6000V
	<b>Reset Button</b>	Supported
	<b>Dimensions</b>	839 × 581.25 × 705 mm
<b>Weight</b>	82Kg	

# IP DUAL SENSOR THERMAL PTZ CAMERA



**ENC-HPT7Z-80X-39**

Dimension Unit : mm



## ORDERING INFORMATION

Part Number	Description	Standard Quantity
ENC-HPT7Z-80X-39	4MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 80X Optical Zoom, 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-80X-39	Carton Box	-	-