

# IP DUAL SENSOR THERMAL PTZ CAMERA



## ENC-HHP7Z-80X-39

### FEATURES

640x512 Uncooled VOx Micro Bolometer Detector

Sensitivity  $\leq 40\text{mK}$

30 ~ 150 mm Motorized Zoom Lens

Areas / Spot / Line Temperature Measurement Rule Support

17 Color Patterns Support

IP67



### SPECIFICATION

<b>MODEL</b>	Model No.	<b>ENC-HHP7Z-80X-39</b>
	Type	IP DUAL SENSOR THERMAL PTZ CAMERA
<b>THERMAL CAMERA</b>	Detector Type	Uncooled VOx Focal Plane Arrays
	Effective Pixels	640x512 and Image can be scaled up to 1280x1024
	Pixel Size	12 $\mu\text{m}$
	Thermal Sensitivity (NETD)	$\leq 40\text{ mK}$
	Spectral Range	8~14 $\mu\text{m}$
	Image Settings	Brightness, Sharpness, Contrast, Mirror, 2D/3D DNR, Mirror / Flip, FFC
	Color Palettes	White & Black Hot, Ironbow, Rainbow etc. up to 17 modes
<b>THERMAL LENS</b>	Iris	Fixed
	Lens	Motorized
	Focus Control	Motorized Focus
	Focal Length	30~150 mm
	F No	1.2
	Angle of View	14.5° to 2.9° (H), 11.6° to 2.3° (V)
	Detection	30 ~ 150 mm : Human(1.8mx0.5m) - 1248 ~ 6242 m, Vehicle(4.0mx1.5m) - 3833 ~ 19167 m
	Recognition	30 ~ 150 mm : Human(1.8mx0.5m) - 312 ~ 1560 m, Vehicle(4.0mx1.5m) - 958 ~ 4792 m
Identification	30 ~ 150 mm : Human(1.8mx0.5m) - 156 ~ 780 m, Vehicle(4.0mx1.5m) - 479 ~ 2396 m	
Fire Detection	30 ~ 150 mm : Fire(0.2mx0.2m) - 250 ~ 1250 m, Fire (1.0mx1.0m) - 1250 ~ 6250 m	

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VISIBLE CAMERA	Image Sensor	1/1.8" CMOS
	Max Resolution	2560 x 1440
	Focal Length	10 ~ 800 mm (Optional 10 ~ 860 mm)
	Angle of View(H)	38.4° ~ 0.50° (Optional 38.4° ~ 0.48°)
	Angle of View(V)	21.6° ~ 0.29° (Optional 21.6° ~ 0.27°)
	Angle of View(D)	44.0° ~ 0.57° (Optional 44.0° ~ 0.55°)
	Optical Zoom	80x
	Digital Zoom	16x
	Focus Control	Auto / Manual
	Max Aperture	F2.1 ~ F11.2
	Electronic Shutter	1s ~ 1/100,000s, Auto/Manual
	Min. illumination	Color:0.0005 lux @ F2.1, B/W:0.0001 lux
	Defog	Optical Defog
	AGC	Auto / Manual
S/N Ratio	≥55dB	
WDR	120dB	
VIDEO	Video Compression	Enhanced (H.265, H.264), H.265, H.264, MJPEG
	Frame Rate	Main Stream: Thermal: (1280×1024, 1280×720, 640×512) @25/30fps; Visible: (2560×1440, 1920×1080, 1280×720) @25/30fps Sub Stream: Thermal: (704×576, 352×288) @25/30fps; Visible: (704×576, 640×480, 352×288) @25/30fps
	Stream Settings	i-Frame, PAL/NTSC, Frame Rate
	Bit Rate Control	CBR, VBR
	Bit Rate	Thermal: 100 Kbps ~ 8 Mbps Visible: 100 Kbps ~ 16 Mbps
	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	64 kbps, 128 kbps
	Audio I/O	2/2
SMART	Behaviour Detection	Thermal/Visible: Intrusion (Perimeter), Crossline (Tripwire), Double Crossline (Double Tripwire)
	Intelligent Identification	Thermal/Visible: Loitering, Region Entry / Exit Detection, Flame Point Detection
	Statistical Analysis	Thermal/Visible: People Counting, Wrong Way Detection, Human and Vehicle Detection, Temperature 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
INTERFACE	Measurement range	-20°C ~ 150°C (-4°F to 302°F)
	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, SIP, 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
	Edge Storage	SD card slot, up to 512 GB
	Alarm I/O	6/4
	Max.User	32
Client Application	EyeGuard	

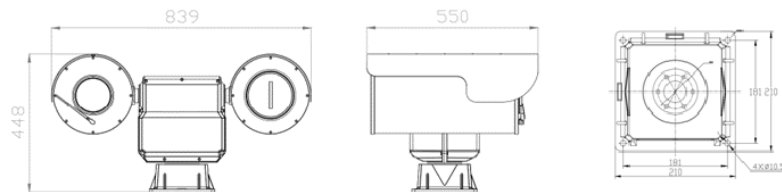
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## ENC-HHP7Z-80X-39

MODEL		ENC-HHP7Z-80X-39
Type		IP DUAL SENSOR THERMAL PTZ CAMERA
PAN AND TILT	Pan Range	0° ~ 360° (Endless)
	Pan Speed	Pan Manual Speed: 0.01° - 60°/s, Pan Preset Speed: 60°/s
	Tilt Range	-45° ~ +45°
	Tilt Speed	Tilt Manual Speed: 0.01° ~ 30° /s, Tilt Preset Speed: 30°/s
	Preset Accuracy	± 0.1°
	Number of Presets	400
	3D Position	Supported
	Power Off Memory	Supported
	PTZ Mode	8 Scan, 12 Tour, 6 Track (Up to 32 Presets Per Scan)
	Speed Setup	Auto / Manual (0-8)
GENERAL	Power Supply	48V DC
	Max. Power consumption	≤300W
	Working Temperature	-40 °C ~ 75 °C
	Working Humidity	≤95% RH
	Casing	Metal
	Ingress Protection	IP67
	Vandal Resistant	IK10 (Housing)
	Surge Protection	TVS6000V
	Reset Button	Supported
	Dimensions	839×550×448 mm
Weight	65 Kg	

Dimension Unit : mm



### ORDERING INFORMATION

Part Number	Description	Standard Quantity
ENC-HHP7Z-80X-39	4MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 80X Optical Zoom and Thermal Imaging Camera with 640*512 Thermal Resolution , 30 to 150mm Motorized Thermal lens and SD Card slot Support	1

### PACKING INFORMATION

Part Number	Packing Mode	Gross weight(Kg)	Dimension(mm)
ENC-HHP7Z-80X-39	Carton Box	-	-