

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
Electronic Image Stabilization
IP67



SPECIFICATION

MODEL	Model No.	ENC-HHP7Z-80X-39		
THERMAL CAMERA	Type	IP DUAL SENSOR THERMAL PTZ CAMERA		
	Detector Type	Uncooled VOx Focal Plane Arrays		
	Effective Pixels	640x512 and Image can be scaled up to 1280x1024		
	Pixel Size	12 μm		
	Thermal Sensitivity (NETD)	$\leq 40\text{ mK}$		
	Spectral Range	8~14 μm		
	Image Settings	Brightness, Sharpness, Contrast, Mirror, 2D/3D DNR, Mirror / Flip, FFC		
	Color Palettes	White & Black Hot, Ironbow, Rainbow etc. up to 17 modes		
	Iris	Fixed		
	THERMAL LENS	Lens	Motorized	
Focus Control		Motorized Focus		
Focal Length		30~150 mm		
F No		1.2		
Angle of View		30~150mm		
		14.5°~2.9°(H), 11.6°~2.3°(V)		
Thermal Imaging		Object	Human(1.8mx0.5m)	Vehicle(4.0mx1.5m)
		Lens (mm)	150	150
		Detection (m)	6242	19167
		Recognition (m)	1560	4792
	Identification (m)	780	2396	
Fire Detection	Object	Fire (1.0m x 1.0m)		
	Lens (mm)	150		
Detection (m)	6250			
VISIBLE CAMERA	Image Sensor	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° mm)		
	Angle of View(V)	21.6° ~ 0.29° (Optional 21.6° ~ 0.27° mm)		
	Angle of View(D)	44.0° ~ 0.57° (Optional 44.0° ~ 0.55° mm)		
	Optical Zoom	80x (Optional 86x)		
	Digital Zoom	16x		
	Focus Control	Auto / Manual		
	Max Aperture	F2.1 ~ F11.2		
	Shutter Speed	1s ~ 1/100,000s, Auto/Manual		
	Min. illumination	Color:0.0005 lux @ F1.2, B/W:0.0001 lux		
AGC	Auto / Manual			
S/N Ratio	$\geq 55\text{dB}$			
WDR	120dB			

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

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	Type	IP DUAL SENSOR THERMAL PTZ CAMERA
VIDEO	Video Compression	H.265+, H.265, H.264
	Frame Rate	Main Stream: Thermal: 1280x1024, 1280x720 @25/30fps; Visible: 2560x1440, 1920x1080, 1280x720 @25/30fps Sub Stream: Thermal: D1, CIF @25/30fps; Visible: D1, VGA, CIF @25/30fps
	Bit Rate Control	CBR, VBR
	Bit Rate	Thermal: 100 Kbps ~ 8 Mbps Visible: 100 Kbps ~ 12 Mbps
	Defog	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	G.711A, G.711U, RAW_PCM
	Audio Bitrate	64 kbps ~ 128 kbps
	Audio I/O	2/2
TEMPERATURE	Detection Mode	Spot, Line, Area
	Alarm	Over / Difference Alarm
	Accuracy	±2°C / ±2%
	Response Time	≤ 30 ms
	Measurement range	-20°C ~ 150°C -20°C ~ 550°C (Optional)
INTERFACE	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
	BNC	Supported
	Edge Storage	SD card slot, up to 512 GB
	Alarm I/O	6/4
	Max.User access	10
SMART	Client Application	EyeGuard
	Behaviour Detection	Thermal/Visible: Intrusion (Perimeter), Crossline (Tripwire), Double Crossline (Double Tripwire)
	Intelligent Identification	Thermal: Region Entry / Exit Visible: Loitering
	Statistical Analysis	Visible: Abnormal Speed, Wrong Way Detection, People Counting, Human / Vehicle Detection, Fire Point Detection
	Alarm Management	Motion Detection, Disk Full Alarm, Temperature Alarm, Input / Output Alarm
PAN AND TILT	Alarm Notification	E-mail, HTTP, SD card & Alarm Out (Event Notification/ Recording/ Snapshot upload through E-mail, HTTP, & SD card)
	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
	Number of Presets	400
	PTZ Mode	8 Scan, 12 Tour, 6 Track (Up to 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	

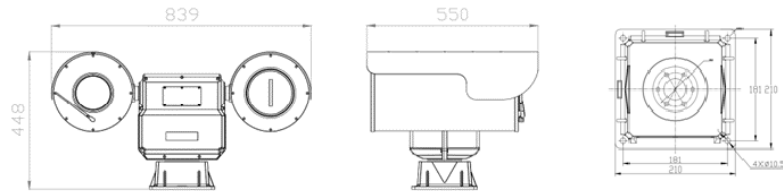
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MODEL	Model No.	ENC-HHP7Z-80X-39
	Type	IP DUAL SENSOR THERMAL PTZ CAMERA
GENERAL	Power Supply	DC 48V
	Max. Power consumption	300W
	Working Temperature	-40 °C ~ 75 °C
	Working Humidity	≤95% RH
	Casing	Metal
	Ingress Protection	IP67
	Vandal Resistant	IK10 (Housing)
	Surge Protection	TVS6000V
	Reset Button	Supported
	Dimensions	839x550x448 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	-	-