

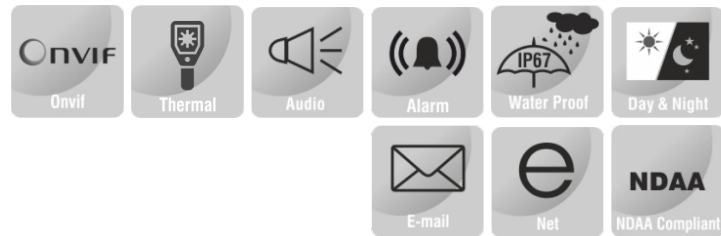
IP DUAL SENSOR THERMAL PTZ CAMERA



ENC-HHP7Z-80X-37

FEATURES

- 400x300 Uncooled VOx Micro Bolometer Detector
- Sensitivity $\leq 40\text{mK}$
- 30~150 mm Motorized Focus Lens
- Areas / Spot / Line Temperature Measurement Rule Support
- 17 Color Patterns Support
- Electronic Image Stabilization
- IP67



SPECIFICATION

MODEL	Model No.	ENC-HHP7Z-80X-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	17 μm			
	Thermal Sensitivity (NETD)	$\leq 40\text{ mK}$			
	Spectral Range	8~14 μm			
	Image Settings	Brightness, Sharpness, Contrast, 2D/3D DNR, Mirror / Flip, FFC			
	Color Palettes	White & Black Hot, Ironbow, Rainbow etc. up to 17 modes			
	Iris	Fixed			
LENS	Lens	Motorized			
	Focus Control	Motorized Focus			
	Focal Length	30~150 mm			
	F No	1.2			
	Angle of View	13.0°~2.6(H), 10.0°~2.0(V)			
	Thermal Imaging	Object	Human(1.8mx0.5m)	Vehicle(4mx1.5m)	Fire(1mx1m)
		Lens (mm)	150	150	150
		Detection (m)	4412	13529	4412
		Recognition (m)	1103	3382	1471
		Identification (m)	551	1691	735
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 (Optional 86x)			
	Digital Zoom	16x			
	Focus Control	Auto / Semi 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				

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ENC-HHP7Z-80X-39

MODEL	Model No.	ENC-HHP7Z-80X-37
	Type	IP DUAL SENSOR THERMAL PTZ CAMERA
VIDEO	Video Compression	H.265+, H.265, H.264
	Frame Rate	Main Stream: Thermal: D1 @25/30fps; Visible: 2560×1440, 1920×1080 @25/30fps Sub Stream: Thermal: CIF @25/30fps; Visible: CIF @25/30fps
	Bit Rate Control	CBR, VBR
	Bit Rate	Thermal: 100 Kbps ~ 15 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
	Display Mode	Temperature target > 5°C, Display absolute temperature value; Temperature target ≤ 5°C, Display relative temperature value (Temperature difference DEV = highest value - average)
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 256 GB
	Alarm Interface	6 Input / 4 Output
	Max.User	10
	Client Application	EyeGuard
SMART	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	12 Tour (up to 32 Presets per Tour)
	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	

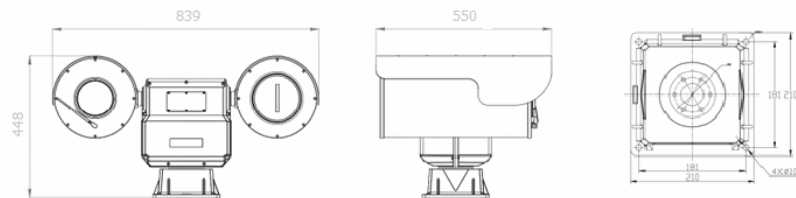
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ENC-HHP7Z-80X-37

MODEL	Model No.	ENC-HHP7Z-80X-37
	Type	IP DUAL SENSOR THERMAL PTZ CAMERA
GENERAL	Power Supply	DC 48V
	Max. Power consumption	300 W
	Working Temperature	-40 °C ~ 60 °C
	Working Humidity	≥95%
	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-37	4MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 80X (Optional 86X) Optical Zoom and Thermal Imaging Camera with 400*300 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-37	Carton Box	-	-