

IP DUAL SENSOR THERMAL PTZ CAMERA



ENC-HHP7Z-86X-39

FEATURES

640x512 Uncooled VOx Micro Bolometer Detector

Sensitivity $\leq 40\text{mK}$

30 ~ 150 mm Motorized Lens

Areas / Spot / Line Temperature Measurement Rule Support

17 Color Patterns Support

IP67



SPECIFICATION

MODEL	Model No.	ENC-HHP7Z-86X-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, Mirror, 2D/3D DNR, Mirror / Flip, FFC
	Color Palettes	White & Black Hot, Ironbow, Rainbow etc. up to 17 modes
THERMAL LENS	Iris	Fixed IRIS
	Lens	Motorized
	Focus Control	Motorized Focus
	Focal Length	30 ~ 150 mm
	F No	F1.2
	Angle of View	30 ~ 150 mm: 14.5° ~ 2.9°(H), 11.6° ~ 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) - 1560 ~ 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	

IP DUAL SENSOR THERMAL PTZ CAMERA



ENC-HHP7Z-86X-39

MODEL	Model No.	ENC-HHP7Z-86X-39
	Type	IP DUAL SENSOR THERMAL PTZ CAMERA
VISIBLE CAMERA	Image Sensor	1/1.8" CMOS
	Max Resolution	2560 x 1440
	Focal Length	10 ~ 860 mm
	Focus Control	Auto/Semi-Auto/Manual
	Angle of View(H)	38.4° ~ 0.48°
	Angle of View(V)	22.5° ~ 0.28°
	Angle of View(D)	44.5° ~ 0.55°
	Max Aperture	F2.1 ~ F11.2
	Optical Zoom	86x
	Digital Zoom	16x
	Electronic Shutter	1s ~ 1/100,000s, Auto/Manual
	Min. illumination	Color:0.01 lux @ F2.1, B/W:0.001 lux
	AGC	Auto/Manual
	Defog	Optical Defog
	S/N Ratio	≥50dB
WDR	120dB	
Wavelength	850 nm	
Detection	137.9 ~ 11862.0 m	
Observation	55.1 ~ 4744.8 m	
Recognition	27.5 ~ 2372.4 m	
Identification	13.7 ~ 1186.2 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) @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: 100Kbps ~ 8Mbps Visible: 32Kbps ~ 6Mbps
	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, 128kbps
	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 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
Alarm Notification	E-mail (Notification & Snapshot), HTTP (Alarm icon), FTP (Snapshot & Recording), SD Card (Recording)	
TEMPERATURE	Detection Mode	Spot, Line, Area (Total 20 Rules - 1 Full Screen and 19 others)
	Alarm	Over/Difference Alarm
	Accuracy	±2°C / ±2%
	Response Time	≤ 30ms
	Measurement range	-20°C ~ 150°C (-4°F to 302°F)

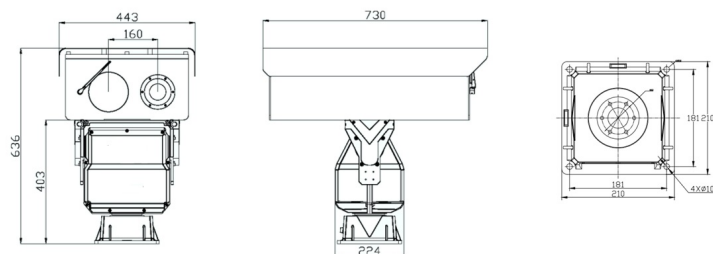
IP DUAL SENSOR THERMAL PTZ CAMERA



ENC-HHP7Z-86X-39

MODEL	Model No.	ENC-HHP7Z-86X-39
	Type	IP DUAL SENSOR THERMAL PTZ CAMERA
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, 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	3/3
	Heater & Blower	Supported (Optional)
	Max User	32
	Client Application	EyeGuard
PAN AND TILT	Pan Range	0° ~ 360° (Endless)
	Pan Speed	Pan Manual Speed: 0.01° ~ 30°/s, Pan Preset Speed: 30°/s
	Tilt Range	-45° ~ +45°
	Tilt Speed	Tilt Manual Speed: 0.01° ~ 15° /s, Tilt Preset Speed: 15°/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	36V DC
	Max. Power consumption	≤150W
	Working Temperature	-40 °C ~ 70 °C
	Working Humidity	≤95% RH
	Casing	Metal
	Ingress Protection	IP67
	Vandal Resistant	IK10 (Housing)
	Surge Protection	TVS6000V
	Reset Button	Supported
	Dimensions	730x443x636 mm
Weight	48 Kg	

Dimension Unit : mm



IP DUAL SENSOR THERMAL PTZ CAMERA



ENC-HHP7Z-86X-39

ORDERING INFORMATION

Part Number	Description	Standard Quantity
ENC-HHP7Z-86X-39	4MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 86X 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-HHP7Z-86X-39	Carton Box	-	-