

# IP DUAL SENSOR THERMAL PTZ CAMERA

**ENC-HHP7Z-500R-39**

## FEATURES

640x512 VOx Uncooled Focal Plane Detector

Sensitivity  $\leq 40\text{mK}$

75/100 mm Motorized Lens

Areas / Spot / Line Temperature Measurement Rule Support

17 Color Patterns Support

IP67



## SPECIFICATION

<b>MODEL</b>	Model No.	<b>ENC-HHP7Z-500R-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	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
<b>THERMAL LENS</b>	Iris	Auto Fixed IRIS
	Lens	Fixed
	Focus Control	Motorized Focus
	Focal Length	75/100 mm
	F No	F1.0
	Angle of View	75mm : 6.0°(H), 5.0°(V) 100mm : 4.3°(H), 3.5°(V)
	Detection	75 mm: Human(1.8mx0.5m) - 3121 m, Vehicle(4.0mx1.4m) - 9583 m 100 mm: Human(1.8mx0.5m) - 4161 m, Vehicle(4.0mx1.4m) - 12778 m
	Recognition	75 mm: Human(1.8mx0.5m) - 780 m, Vehicle(4.0mx1.4m) - 2396 m 100 mm: Human(1.8mx0.5m) - 1040 m, Vehicle(4.0mx1.4m) - 3194 m
	Identification	75 mm: Human(1.8mx0.5m) - 390 m, Vehicle(4.0mx1.4m) - 1198 m 100 mm: Human(1.8mx0.5m) - 520 m, Vehicle(4.0mx1.4m) - 1597 m
	Fire Detection	75 mm: Fire(0.2mx0.2m) - 625 m, Fire(1.0mx1.0m) - 3125 m 100 mm: Fire(0.2mx0.2m) - 833 m, Fire(1.0mx1.0m) - 4167 m

# IP DUAL SENSOR THERMAL PTZ CAMERA

## ENC-HHP7Z-500R-39

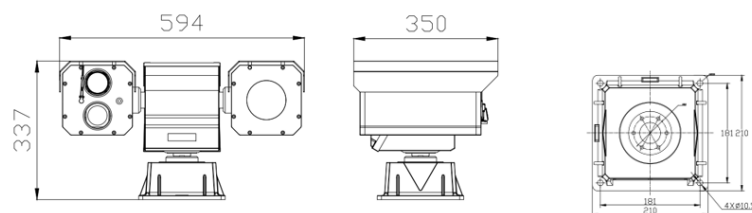
MODEL	Model No.	ENC-HHP7Z-500R-39
	Type	IP DUAL SENSOR THERMAL PTZ CAMERA
VISIBLE CAMERA	Image Sensor	1/1.8" Sony CMOS
	Max Resolution	2592 x 1520
	Focal Length	5 ~ 200 mm
	Focus Control	Auto / Semi Auto / Manual
	Angle of View (H)	55.6° ~ 1.5°
	Angle of View (V)	32.7° ~ 0.8°
	Angle of View (D)	64.5° ~ 1.7°
	Optical Zoom	40x
	Digital Zoom	16x
	Max Aperture	F1.2 ~ F3.5
	Electronic Shutter	1s ~ 1/100,000s, Auto/Manual
	Min. illumination	Color: 0.01 lux @ F1.2, B/W: 0.001 lux, with IR
	Defog	Support
	AGC	Auto / Manual
	S/N Ratio	≥55dB
WDR	120dB	
Smart IR	Up to 500 m	
Wavelength	850 nm	
VIDEO	Video Compression	Enhanced (H.265, H.264), H.265, H.264, MJPEG
	Frame Rate	Main Stream: Thermal: (1280x1024, 1280x720, 640x512) @25/30fps; Visible: (2592x1520, 2560x1440, 2304x1296, 1920x1080, 1280x720) @25/30fps Sub Stream: Thermal: (704x576, 352x288) @25/30fps; Visible: (704x576, 640x480, 640x360, 352x288, 320x240, 176x144) @25/30fps
	Stream Settings	i-Frame, PAL/NTSC, Frame Rate
	Bit Rate Control	CBR, VBR
	Bit Rate	Thermal: 100Kbps ~ 8Mbps Visible: 100Kbps ~ 12Mbps
	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, 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, Smoke 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
TEMPERATURE	Alarm Notification	E-mail (Notification & Snapshot), HTTP (Alarm icon), FTP (Snapshot & Recording), SD Card (Recording)
	Detection Mode	Spot, Line, Area (Total 20 Rules - 1Full Screen and 19 Other)
	Alarm	Over/Difference Alarm
	Accuracy	±2°C / ±2%
	Response Time	≤ 30ms
Measurement range	-20°C ~ 150°C -20°C ~ 550°C (Optional)	

# IP DUAL SENSOR THERMAL PTZ CAMERA

## ENC-HHP7Z-500R-39

MODEL	Model No.	ENC-HHP7Z-500R-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 (SSL/TLS), SNMP, IGMP, 802.1x, QoS, Unicast, Multicast, SNMP, ARP
	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	9/4
	Heater & Blower	Supported (Optional)
	Max. User	32
	Wiper	Supported
	Client Application	EyeGuard
	PAN AND TILT	Pan Range
Pan Speed		Pan Manual Speed: 0.01° ~ 60°/s, Pan Preset Speed: 60°/s
Tilt Range		-90° ~ +90°
Tilt Speed		Tilt Manual Speed: 0.01° ~ 30°/s, Tilt Preset Speed: 30°/s
Preset Accuracy		± 0.1°
Number of Presets		400
Power Off Memory		Supported
3D Position		Supported
PTZ Mode		8 Scan, 6 Track, 12 Patrols (32 Presets per Patrol)
Speed Setup		Auto/Manual (0-8)
GENERAL	Power Supply	36V DC
	Max. Power consumption	≤150 W
	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	594x350x337 mm
	Weight	23 Kg

Dimension Unit : mm



### ORDERING INFORMATION

Part Number	Description	Standard Quantity
ENC-HHP7Z-500R-39	4MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 40X Optical Zoom, 500m IR Support and Thermal Imaging Camera with 640*512 Thermal Resolution and SD Card Slot Support	1

# IP DUAL SENSOR THERMAL PTZ CAMERA

**ENC-HHP7Z-500R-39**

## PACKING INFORMATION

Part Number	Packing Mode	Gross weight(Kg)	Dimension(mm)
ENC-HHP7Z-500R-39	Carton Box	-	-