

# IP DUAL SENSOR THERMAL PTZ CAMERA



**ENC-HHP7Z-32X-39**

## FEATURES

640x512 Uncooled VOx Micro Bolometer Detector

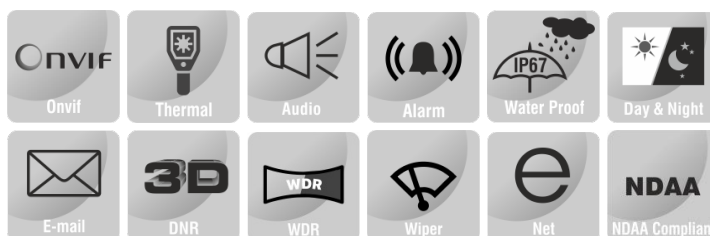
Sensitivity  $\leq 40\text{mK}$

75/100 mm Motorized Focus Lens

Areas / Spot / Line Temperature Measurement Rule Support

17 Color Patterns Support

IP67



## SPECIFICATION

MODEL	Model No.	ENC-HHP7Z-32X-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	17um
	Thermal Sensitivity (NETD)	$\leq 40$ 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
	Iris	Auto Fixed IRIS
THERMAL LENS	Lens	Fixed
	Focus Control	Motorized Focus
	Focal Length	75/100 mm
	F No	F1.0
	Angle of View	75 mm : 8.2°(H), 6.6°(V) 100 mm : 6.2°(H), 4.9°(V)
	Detection	75 mm: Human(1.8mx0.5m) - 3121 m, Vehicle(4.0mx1.5m) - 9583 m 100 mm: Human(1.8mx0.5m) - 4161 m, Vehicle(4.0mx1.5m) - 12778 m
	Recognition	75 mm: Human(1.8mx0.5m) - 780 m, Vehicle(4.0mx1.5m) - 2396m 100 mm: Human(1.8mx0.5m) - 1040 m, Vehicle(4.0mx1.5m) - 3194 m
	Identification	75 mm: Human(1.8mx0.5m) - 390 m, Vehicle(4.0mx1.5m) - 1198 m 100 mm: Human(1.8mx0.5m) - 520 m, Vehicle(4.0mx1.5m) - 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

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MODEL	Model No.	ENC-HHP7Z-32X-39
	Type	IP DUAL SENSOR THERMAL PTZ CAMERA
VISIBLE CAMERA	Image Sensor	1/2.8" CMOS
	Max Resolution	2560 x 1440
	Focal Length	12.5 ~ 400 mm (Optional 15.6 ~ 500 mm )
	Focus Control	Auto/Semi-Auto/Manual
	Angle of View(H)	33.0° ~ 1.7° (Optional 19.2° ~ 0.6°)
	Angle of View(V)	19.4° ~ 1.0° (Optional 11.6° ~ 0.3°)
	Angle of View(D)	38.2° ~ 1.9° (Optional 22.4° ~ 0.6°)
	Max Aperture	F3.1 ~ F16
	Optical Zoom	32x
	Digital Zoom	16x
	Electronic Shutter	1s ~ 1/100,000s, Auto/Manual
	Min. illumination	Color:0.001 lux @ F1.2, B/W:0.0001 lux
	AGC	Auto/Manual
	Defog	Smart Defog
S/N Ratio	≥55dB	
WDR	120dB	
Wavelength	850 nm	
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, 2304×1296, 1920×1080, 1280×720) @25/30fps Sub Stream: Thermal: (704×576, 352×288) @25/30fps; Visible: (704×576, 640×480, 352×288, 320×240) @25/30fps
	Stream Settings	i-Frame, PAL/NTSC, Frame Rate
	Bit Rate Control	CBR, VBR
	Bit Rate	Thermal: 100Kbps ~ 6Mbps Visible: 100Kbps ~ 12Mbps
	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
	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)

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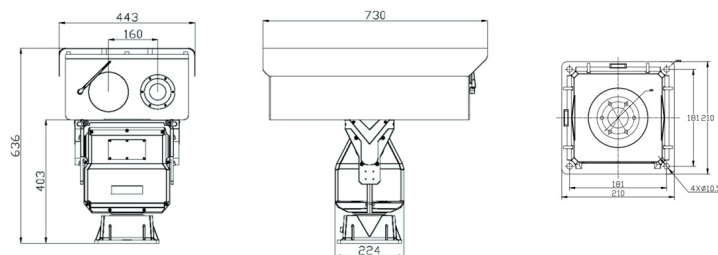
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## ENC-HHP7Z-32X-39

<b>MODEL</b>	<b>Model No.</b>	<b>ENC-HHP7Z-32X-39</b>
	<b>Type</b>	IP DUAL SENSOR THERMAL PTZ CAMERA
<b>INTERFACE</b>	<b>Protocols</b>	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
	<b>Security</b>	AES Video Encryption, IP Filter, User Authentication (Multiple Privilege Level), HTTPS Authentication, Digest Authentication, User Access Log
	<b>Compatibility</b>	ONVIF (Profile S, G, T), CGI/SDK
	<b>Network</b>	1x RJ45 10M/100M Self Adaptive Ethernet Port
	<b>Serial Interface</b>	1xRS485
	<b>BNC</b>	Supported
	<b>Edge Storage</b>	SD card slot, up to 512 GB
	<b>Alarm I/O</b>	3/3
	<b>Heater &amp; Blower</b>	Supported (Optional)
	<b>Max User</b>	32
	<b>Client Application</b>	EyeGuard
	<b>PAN AND TILT</b>	<b>Pan Range</b>
<b>Pan Speed</b>		Pan Manual Speed: 0.01° ~ 30°/s, Pan Preset Speed: 30°/s
<b>Tilt Range</b>		-45° ~ +45°
<b>Tilt Speed</b>		Tilt Manual Speed: 0.01° ~ 15°/s, Tilt Preset Speed: 15°/s
<b>Preset Accuracy</b>		±0.1°
<b>Number of Presets</b>		400
<b>3D Position</b>		Supported
<b>Power Off Memory</b>		Supported
<b>PTZ Mode</b>		8 Scan, 12 Tour, 6 Track (Up to 32 Presets Per Scan)
<b>Speed Setup</b>		Auto/Manual (0-8)
<b>GENERAL</b>	<b>Power Supply</b>	36V DC
	<b>Max. Power consumption</b>	≤150W
	<b>Working Temperature</b>	-40 °C ~ 70 °C
	<b>Working Humidity</b>	≤95% RH
	<b>Casing</b>	Metal
	<b>Ingress Protection</b>	IP67
	<b>Vandal Resistant</b>	IK10 (Housing)
	<b>Surge Protection</b>	TVS6000V
	<b>Reset Button</b>	Supported
	<b>Dimensions</b>	730x443x636 mm
	<b>Weight</b>	48 Kg

Dimension Unit : mm



### ORDERING INFORMATION

Part Number	Description	Standard Quantity
ENC-HHP7Z-32X-39	4MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 32X Optical Zoom and Thermal Imaging Camera with 640*512 Thermal Resolution and SD Card Slot Support	1

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►NORDEN® | IP DUAL SENSOR THERMAL PTZ CAMERA - GB - Version: 3.3

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# IP DUAL SENSOR THERMAL PTZ CAMERA



## ENC-HHP7Z-32X-39

### PACKING INFORMATION

Part Number	Packing Mode	Gross weight(Kg)	Dimension(mm)
ENC-HHP7Z-32X-39	Carton Box	-	-

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