

IP DUAL SENSOR THERMAL PTZ CAMERA



ENC-HPT7Z-37X-10

FEATURES

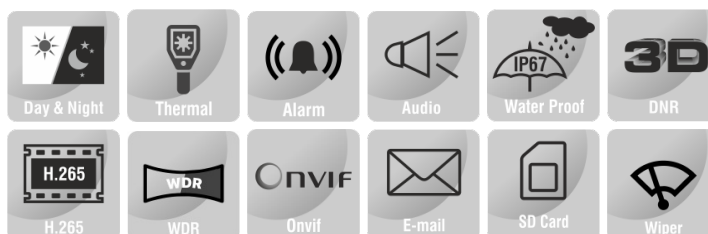
640x512 Uncooled Infrared Detector

Sensitivity $\leq 40\text{mK}$

75 mm Fixed Thermal Lens

20 Color Patterns Support

IP67



SPECIFICATION

MODEL	Model No.	ENC-HPT7Z-37X-10
	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	12 um
	Thermal Sensitivity (NETD)	$\leq 40\text{ mK}$
	Spectral Range	8 ~ 14 um
	Spatial Resolution	0.16 mrad
	Image Settings	Brightness, Sharpness, Contrast, 3D DNR, Mirror / Flip, FFC
THERMAL LENS	Color Palettes	White & Black Hot, Ironbow, Rainbow etc up to 20 modes
	Lens	Fixed
	Focus Control	Auto / Manual
	Focal Length	75 mm
	F No	F1.0
	Angle of View (H)	5.9°
	Angle of View (V)	4.7°
	Angle of View (D)	7.5°
	Detection	75 mm: Human (1.8m×0.5m) - 3100 m, Vehicle (1.4m×4.0m) - 9600 m
	Recognition	75 mm: Human (1.8m×0.5m) - 800 m, Vehicle (1.4m×4.0m) - 2400 m
	Identification	75 mm: Human (1.8m×0.5m) - 400 m, Vehicle (1.4m×4.0m) - 1200 m
	Fire Detection	75 mm: Fire size (0.2m×0.2m) - 6000 m, Fire size (0.1m×0.1m) - 3000 m

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VISIBLE CAMERA	Image Sensor	1/1.8" CMOS Progressive 4.0 MegaPixel
	Day / Night	Auto / Manual
	Max Resolution	2560x1440
	Focal Length	6.5 ~ 240 mm
	Focus Control	Auto / Manual
	Angle of View (H)	70.0° ~ 2.5°
	Angle of View (V)	41.1° ~ 1.4°
	Angle of View (D)	81.1° ~ 2.8°
	Aperture Range	F1.5
	Electronic Shutter	1/25s ~ 1/100000s, Auto / Manual
	Min. Illumination	Color: 0.0005 lux @ F1.5, B/W: 0.0001; 0 lux with IR
	Optical Zoom	37x
	Digital Zoom	16x
	AGC	Auto / Manual
	Digital Noise Reduction	3D DNR
	Defog	Optical / Electronic Defog
	WDR	120 dB
	Laser IR	Up to 1500 m
VIDEO	Detection	6.5 ~ 240 mm: Human (1.8m×0.5m) - 67 ~ 2483 m, Vehicle (1.4m×4.0m) - 206 ~ 7614 m
	Observation	6.5 ~ 240 mm: Human (1.8m×0.5m) - 27 ~ 985 m, Vehicle (1.4m×4.0m) - 82 ~ 3021 m
	Recognition	6.5 ~ 240 mm: Human (1.8m×0.5m) - 13 ~ 497 m, Vehicle (1.4m×4.0m) - 41 ~ 1523 m
	Identification	6.5 ~ 240 mm: Human (1.8m×0.5m) - 7 ~ 248 m, Vehicle (1.4m×4.0m) - 21 ~ 761 m
	Video Compression	H.265, H.264, MJPEG
	Frame Rate	Main Stream: Thermal: (1280×1024, 1280×720, 640×512) @25fps; Visible: (2560×1440, 1920×1080, 1280×720) @25/30fps Sub Stream: Thermal: (640×512) @25fps; Visible: (704×576) @25/30fps
	Stream Settings	i-Frame, PAL/NTSC, Frame Rate
	Image Stabilization	Support (Two-Axis Gyro Stabilization)
	Video Bit Rate	128kbps ~ 16 Mbps
	Bit Rate Type	CBR, VBR
	Image Settings	Brightness, Contrast, Saturation, Hue, Sharpness, Rotation/Mirror, Gain, Exposure, Day/Night
	White Balance	Auto, Day/Night, Tungsten, Fluorescent, Shadow, Manual
AUDIO	HLC	Supported
	BLC	Supported
	OSD	Up to 7 regions
SMART	OSD Type	Channel Title, Date, Time, Geography, Picture Overlay
	Audio Compression	G.711A, G.711U, PCM_AAC
	Audio Bitrate	16 Kbps
	Audio I/O	1/1
	Behaviour Detection	Thermal/Visible: Intrusion (Perimeter), Crossline (Tripwire), Double Crossline (Double Tripwire)
	Intelligent Identification	Thermal/Visible: Loitering, Abandoned Object (Object Left), Missing Object (Object Lost), Region Entry / Exit Detection, Flame Point Detection, Smoke Detection, Flame Detection
	Statistical Analysis	Thermal/Visible: Human & Vehicle Classification, Crowd Detection, Parking
	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)
	Auto Tracking	Supported
TEMPERATURE	Detection Mode	Spot, Line, Area (Total 36 Rules)
	Alarm	Over/Difference Alarm
	Accuracy	±2°C / ±2%
	Response Time	≤ 40ms
	Measurement range	-20°C ~ 550°C -4°F ~ 1022°F

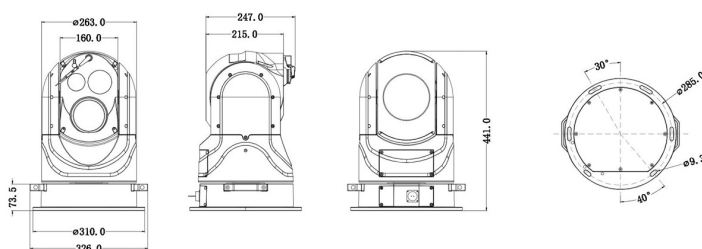
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MODEL	Model No.	ENC-HPT7Z-37X-10
	Type	IP DUAL SENSOR THERMAL PTZ CAMERA
INTERFACE	Protocols	TCP/IP, IPv4, IPv6, PPPoE, HTTP, HTTPS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, DHCP, NTP, RTSP, RTCP, RTP, UDP, IGMP, ICMP, QoS
	Security	IP Filter, User Authentication, HTTPS Authentication, User Access Log
	Compatibility	ONVIF (Profile S), SDK/CGI
	Network	1x RJ45 10M/100M Self Adaptive Ethernet Port
	Serial Interface	1xRS422
	Edge Storage	Micro SD Card Slot, up to 256 GB
	Alarm I/O	1/1
	Heater	Supported
	Fan	Supported
	Max.User	20
	Smart Wiper	Supported
PAN AND TILT	Pan Range	0° ~ 360° (Endless)
	Pan Speed	Pan Manual Speed: 0.1°~ 250°/s, Pan Preset Speed: 250°/s
	Tilt Range	-60° ~ +90°
	Tilt Speed	Tilt Manual Speed: 0.1° ~ 180° /s, Tilt Preset Speed: 180°/s
	Preset Accuracy	± 0.1°
	Number of Preset	255
	3D Position	Supported
	Power off Memory	Supported
	PTZ Mode	8 Scan, 4 Track, 8 Patrols
	Power Supply	24V DC
GENERAL	Max. Power Consumption	≤60 W
	Working Temperature	-40 °C ~ 70 °C
	Working Humidity	≤90% RH
	Ingress Protection	IP67
	Vandal Resistant	IK10 (Housing)
	Surge Protection	TVS6000V
	Dimensions	326×310×441mm
	Weight	16 Kg

Dimension Unit : mm



ORDERING INFORMATION

Part Number	Description	Standard Quantity
ENC-HPT7Z-37X-10	4MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 37X 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-HPT7Z-37X-10	Carton Box	-	-

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

►NORDEN® | IP DUAL SENSOR THERMAL PTZ CAMERA - GB - Version: 2.1

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