

IP DUAL SENSOR THERMAL PTZ CAMERA



ENC-HPT7Z-50X-09

FEATURES

640x512 Uncooled Infrared Detector
Sensitivity $\leq 35\text{mK}$
25 ~ 225 mm (Optional 30 ~ 150 mm) Motorized Lens
Laser IR up to 3000 m
Electronic Image Stabilization
IP66



SPECIFICATION

MODEL	Model No.	ENC-HPT7Z-50X-09
	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 μm
	Thermal Sensitivity (NETD)	$\leq 35\text{ mK}$
	Spectral Range	8 ~ 14 μm
	Spatial Resolution	0.480 ~ 0.053 mrad
	Image Settings	Brightness, Sharpness, Contrast, 2D/3D DNR, Mirror / Flip, FFC
	Color Palettes	White & Black Hot, Ironbow, Rainbow etc up to 20 modes
THERMAL LENS	Lens	Motorized
	Focus Control	Auto / Manual
	Focal Length	25 ~ 225 mm (Optional 30 ~ 150 mm)
	F No	F1.09 ~ F1.5 (Optional F0.85 ~ F1.2)
	Digital Zoom	8x
	Angle of View (H)	17.6° ~ 2.0° (Optional 14.6° ~ 2.9°)
	Angle of View (V)	14.1° ~ 1.6° (Optional 11.7° ~ 2.3°)
	Angle of View (D)	22.5° ~ 2.5° (Optional 18.7° ~ 3.7°)
	EIS	Supported
	Detection	225 mm: Human (1.8m×0.5m) - 9400 m, Vehicle (1.4m×4.0m) - 28800 m 150 mm: Human (1.8m×0.5m) - 6300 m, Vehicle (1.4m×4.0m) - 19200 m
	Recognition	225 mm: Human (1.8m×0.5m) - 2300 m, Vehicle (1.4m×4.0m) - 7200 m 150 mm: Human (1.8m×0.5m) - 1600 m, Vehicle (1.4m×4.0m) - 4800 m
	Identification	225 mm: Human (1.8m×0.5m) - 1200 m, Vehicle (1.4m×4.0m) - 3600 m 150 mm: Human (1.8m×0.5m) - 800 m, Vehicle (1.4m×4.0m) - 2400 m
	Fire Detection	225 mm: Fire size (2.0m×2.0m) - 20000 m, Fire size (1.0m×1.0m) - 10000 m 150 mm: Fire size (2.0m×2.0m) - 16000 m, Fire size (1.0m×1.0m) - 8000 m

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	Type	IP DUAL SENSOR THERMAL PTZ CAMERA
VISIBLE CAMERA	Image Sensor	1/1.8" CMOS Progressive 4.0 MegaPixel
	Day / Night	Auto / Manual
	Max Resolution	2688x1520
	Focal Length	15 ~ 775 mm (Optional 6 ~ 300 mm)
	Focus Control	Auto / Manual
	Angle of View (H)	29.1° ~ 0.5°
	Angle of View (V)	16.7° ~ 0.3°
	Angle of View (D)	33.5° ~ 0.5°
	Optical Zoom	50x
	Digital Zoom	16x
	Aperture	F2.8
	Electronic Shutter	1/3 ~ 1/30000s, Auto / Manual
	Min. Illumination	Color: 0.05 lux @ F2.8 B/W: 0 Lux with IR on
	Defog	Optical Defog
	Laser IR	Up to 3000 m (Optional)
	Laser Spectral Range	808 nm
WDR	120dB	
Detection	15 ~ 775 mm: Human (1.8m×0.5m) - 115 ~ 8017 m, Vehicle (1.4m×4.0m) - 476 ~ 24586 m 6 ~ 300 mm: Human (1.8m×0.5m) - 62 ~ 3103 m, Vehicle (1.4m×4.0m) - 190 ~ 9517 m	
Observation	15 ~ 775 mm: Human (1.8m×0.5m) - 62 ~ 3181 m, Vehicle (1.4m×4.0m) - 189 ~ 9756 m 6 ~ 300 mm: Human (1.8m×0.5m) - 25 ~ 1232 m, Vehicle (1.4m×4.0m) - 76 ~ 3777 m	
Recognition	15 ~ 775 mm: Human (1.8m×0.5m) - 31 ~ 1603 m, Vehicle (1.4m×4.0m) - 95 ~ 4917 m 6 ~ 300 mm: Human (1.8m×0.5m) - 12 ~ 621 m, Vehicle (1.4m×4.0m) - 38 ~ 1903 m	
Identification	15 ~ 775 mm: Human (1.8m×0.5m) - 16 ~ 802 m, Vehicle (1.4m×4.0m) - 48 ~ 2459 m 6 ~ 300 mm: Human (1.8m×0.5m) - 6 ~ 310 m, Vehicle (1.4m×4.0m) - 19 ~ 952 m	
VIDEO	Video Compression	H.265, H.264, MJPEG
	Frame Rate	Main Stream: Thermal: (1280×1024, 1280×720, 1024×768) @25fps; Visible: (2688×1520, 1920×1080, 1280×720) @25/30fps Sub Stream: Thermal: (640×512, 384×288) @25fps; Visible: (1920×1080, 1280×720, 704×480, 352×240) @30fps, (1920×1080, 1280×720, 704×576, 352×288) @25fps
	Stream Settings	i-Frame, PAL/NTSC, Frame Rate
	OIS	Supported
	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
	HLC	Supported
	BLC	Supported
	OSD	Up to 7 Regions
	OSD Type	Channel Title, Date, Time, Geography, Picture Overlay
ROI	Up to 1 Region	
Privacy Masking	Up to 24 Region	
AUDIO	Audio Compression	G.711A, G.711U, PCM_AAC
	Audio Bitrate	16 Kbps
	Audio I/O	1/1
SMART	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

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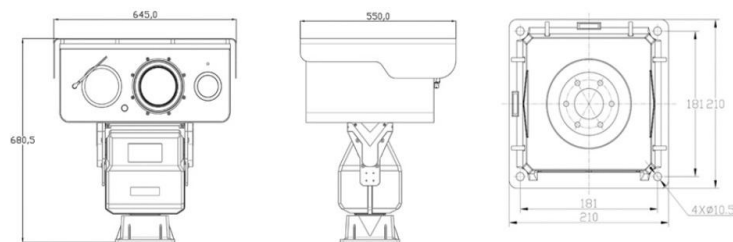
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ENC-HPT7Z-50X-09

MODEL	Model No.	ENC-HPT7Z-50X-09
	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	1xRS485
	Edge Storage	Micro SD Card Slot, up to 256 GB
	Alarm I/O	1/1
	Heater	Supported
	Fan	Supported
	Wiper	Supported
	Max.User	20
PAN AND TILT	Pan Range	0° ~ 360° (Endless)
	Pan Speed	Pan Manual Speed: 0.01~ 60°/s, Pan Preset Speed: 60°/s
	Tilt Range	-60° ~ +60°
	Tilt Speed	Tilt Manual Speed: 0.01° ~ 15° /s, Tilt Preset Speed: 15°/s
	Preset Accuracy	±0.1°
	Number of Preset	256
	3D Position	Supported
	Power off Memory	Supported
	PTZ Mode	16 Scan, 2 Track, 8 Patrol
	Power Supply	48V DC
GENERAL	Max. Power Consumption	≤220 W
	Working Temperature	-40 °C ~ 75 °C
	Working Humidity	≤90% RH
	Ingress Protection	IP66
	Vandal Resistant	IK10 (Housing)
	Surge Protection	TVS6000V
	Dimensions	645×680.5×550 mm
	Weight	59 Kg

Dimension Unit : mm



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ENC-HPT7Z-50X-09

ORDERING INFORMATION

Part Number	Description	Standard Quantity
ENC-HPT7Z-50X-09 (with 25 ~ 225 mm Thermal Lens, 15 ~ 775 mm Visible Lens, 3000 m Laser IR)	4MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 50X Optical Zoom and Thermal Imaging Camera with 640*512 Thermal Resolution and SD Card Slot Support	1
ENC-HPT7Z-50X-09 (with 25 ~ 225 mm Thermal Lens, 15 ~ 775 mm Visible Lens)	4MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 50X Optical Zoom and Thermal Imaging Camera with 640*512 Thermal Resolution and SD Card Slot Support	1
ENC-HPT7Z-50X-09 (with 25 ~ 225 mm Thermal Lens, 6 ~ 300 mm Visible Lens, 3000 m Laser IR)	4MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 50X Optical Zoom and Thermal Imaging Camera with 640*512 Thermal Resolution and SD Card Slot Support	1
ENC-HPT7Z-50X-09 (with 25 ~ 225 mm Thermal Lens, 6 ~ 300 mm Visible Lens)	4MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 50X Optical Zoom and Thermal Imaging Camera with 640*512 Thermal Resolution and SD Card Slot Support	1
ENC-HPT7Z-50X-09 (with 30 ~ 150 mm Thermal Lens, 6 ~ 300 mm Visible Lens, 3000 m Laser IR)	4MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 50X Optical Zoom and Thermal Imaging Camera with 640*512 Thermal Resolution and SD Card Slot Support	1
ENC-HPT7Z-50X-09 (with 30 ~ 150 mm Thermal, 6 ~ 300 Visible Lens)	4MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 50X 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-50X-09	Carton Box	-	-

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