

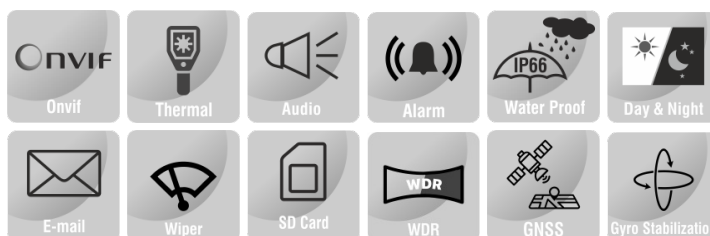
IP DUAL SENSOR THERMAL PTZ CAMERA



ENC-HPT7Z-56X-06

FEATURES

640x512 Uncooled Infrared Detector
Sensitivity $\leq 40\text{mK}$
75/100 mm Fixed Thermal Lens (Optional 25 ~ 75 mm)
Motorized Thermal Lens
Electronic Image Stabilization
Gyro Stabilization
Built-in GNSS Module (Optional)
IP66



SPECIFICATION

MODEL	Model No.	ENC-HPT7Z-56X-06
	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)	$\leq 40\text{ mK}$
	Spectral Range	8 ~ 14 μm
	Spatial Resolution	0.160 / 0.120 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	Fixed (Optional Motorized)
	Focus Control	Auto / Manual
	Focal Length	75/100 mm (Optional 25 ~ 75 mm)
	F No	F1.0 / F1.2
	Digital Zoom	8x
	Angle of View (H)	5.9° / 4.4° (Optional 17.6° ~ 5.9°)
	Angle of View (V)	4.7° / 3.5° (Optional 14.1° ~ 4.7°)
	Angle of View (D)	7.5° / 5.6° (Optional 22.5° ~ 7.5°)
	Detection	75 mm: Human (1.8m×0.5m) - 3100 m, Vehicle (1.4m×4.0m) - 9600 m 100 mm: Human (1.8m×0.5m) - 4200 m, Vehicle (1.4m×4.0m) - 12800 m 25 ~ 75 mm: Human (1.8m×0.5m) - 1300 ~ 3100 m, Vehicle (1.4m×4.0m) - 3200 ~ 9600 m
	Recognition	75 mm: Human (1.8m×0.5m) - 800 m, Vehicle (1.4m×4.0m) - 2400 m 100 mm: Human (1.8m×0.5m) - 1000 m, Vehicle (1.4m×4.0m) - 3200 m 25 ~ 75 mm: Human (1.8m×0.5m) - 200 ~ 800 m, Vehicle (1.4m×4.0m) - 800 ~ 2400 m
	Identification	75 mm: Human (1.8m×0.5 m) - 400 m, Vehicle (1.4m×4.0m) - 1200 m 100 mm: Human (1.8m×0.5m) - 500 m, Vehicle (1.4m×4.0m) - 1600 m 25 ~ 75 mm: Human (1.8m×0.5m) - 100 ~ 400 m, Vehicle (1.4m×4.0m) - 400 ~ 1200 m
	Fire Detection	75 mm: Fire size (2.0m×2.0m) - 8000 m, Fire size (1.0m×1.0m) - 4000 m 100 mm: Fire size (2.0m×2.0m)- 10000 m, Fire size (1.0m×1.0m) - 5000 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	6 ~ 336 mm
	Focus Control	Auto / Manual
	Angle of View (H)	66.0° ~ 1.3°
	Angle of View (V)	40.3° ~ 0.8°
	Angle of View (D)	77.3° ~ 1.5°
	Optical Zoom	56x
	Digital Zoom	16x
	Aperture	F1.5 ~ F4.8
	Electronic Shutter	1/3s ~ 1/30000s, Auto / Manual
	Min. Illumination	0.005Lux @ F1.5, B/W: 0 Lux with IR on
	S/N Ratio	≥55 dB
Defog	Optical Defog	
WDR	120dB	
Detection	6 ~ 336 mm: Human (1.8m×0.5m) - 62 ~ 3476 m, Vehicle (1.4m×4.0m) - 190 ~ 10659 m	
Observation	6 ~ 336 mm: Human (1.8m×0.5m) - 25 ~ 1376 m, Vehicle (1.4m×4.0m) - 76 ~ 4230 m	
Recognition	6 ~ 336 mm: Human (1.8m×0.5m) - 12 ~ 625 m, Vehicle (1.4m×4.0m) - 38 ~ 2132 m	
Identification	6 ~ 336 mm: Human (1.8m×0.5m) - 6 ~ 348 m, Vehicle (1.4m×4.0m) - 19 ~ 1066 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
	EIS	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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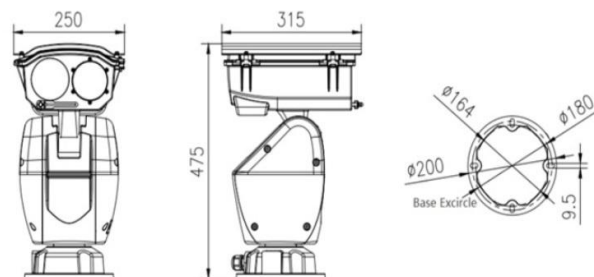
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MODEL	Model No.	ENC-HPT7Z-56X-06
	Type	IP DUAL SENSOR THERMAL PTZ CAMERA
INTERFACE	Protocols	TCP/IP, IPv4, IPv6, UDP, UPnP, ICMP, PPPoE, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, IGMP, SNMP, NTP, QoS
	Compatibility	ONVIF (Profile S), SDK/CGI
	Network	1x RJ45 10M/100M Self Adaptive Ethernet Port
	Serial Interface	1xRS485
	Edge Storage	Micro SD Card Slot, up to 256 GB
	GNSS	Supported (Optional)
	Gyro Stabilization	Supported
	Alarm I/O	7/2
	Heater	Supported
	Fan	Supported
	Wiper	Supported
	Max.User	20
	PAN AND TILT	Pan Range
Pan Speed		Pan Manual Speed: 0.1°~ 100°/s, Pan Preset Speed: 100°/s
Tilt Range		-90° ~ +40°
Tilt Speed		Tilt Manual Speed: 0.1° ~ 60° /s, Tilt Preset Speed: 60°/s
Preset Accuracy		±0.2°
Number of Preset		256
3D Position		Supported
Power off Memory		Supported
PTZ Mode		16 Scan, 2 Track, 8 Patrol
Power Supply		24V DC
GENERAL	Max. Power consumption	≤75 W
	Working Temperature	-40 °C ~ 70 °C
	Working Humidity	≤90% RH
	Ingress Protection	IP66
	Vandal Resistant	IK10 (Housing)
	Surge Protection	TVS6000V
	Dimensions	250x475x315 mm
	Weight	14 Kg

Dimension Unit : mm



IP DUAL SENSOR THERMAL PTZ CAMERA



ENC-HPT7Z-56X-06

ORDERING INFORMATION

Part Number	Description	Standard Quantity
ENC-HPT7Z-56X-06 (With 75 mm Thermal Lens)	4MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 56X Optical Zoom and Thermal Imaging Camera with 640*512 Thermal Resolution and SD Card Slot Support	1
ENC-HPT7Z-56X-06 (With 75 mm Thermal Lens, GNSS)	4MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 56X Optical Zoom and Thermal Imaging Camera with 640*512 Thermal Resolution and SD Card Slot Support	1
ENC-HPT7Z-56X-06 (With 100 mm Thermal Lens)	4MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 56X Optical Zoom and Thermal Imaging Camera with 640*512 Thermal Resolution and SD Card Slot Support	1
ENC-HPT7Z-56X-06 (With 100 mm Thermal Lens, GNSS)	4MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 56X Optical Zoom and Thermal Imaging Camera with 640*512 Thermal Resolution and SD Card Slot Support	1
ENC-HPT7Z-56X-06 (With 25 ~ 75 mm Thermal Lens)	4MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 56X Optical Zoom and Thermal Imaging Camera with 640*512 Thermal Resolution and SD Card Slot Support	1
ENC-HPT7Z-56X-06 (With 25 ~ 75 mm Thermal Lens, GNSS)	4MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 56X 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-56X-06	Carton Box	-	-

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