

# IP DUAL SENSOR THERMAL PTZ CAMERA



**ENC-HPT7Z-200R-06**

## FEATURES

640x512 Uncooled Infrared Detector

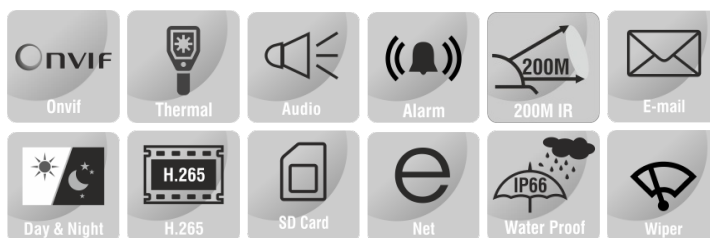
Sensitivity  $\leq 35\text{mK}$

9 / 25 / 50 mm Fixed Thermal Lens

20 Color Patterns Support

Electronic Image Stabilization

IP66



## SPECIFICATION

<b>MODEL</b>	Model No.	<b>ENC-HPT7Z-200R-06</b>
	Type	IP DUAL SENSOR THERMAL PTZ CAMERA
<b>THERMAL CAMERA</b>	Detector Type	Uncooled VOx Focal Plane Arrays
	Effective Pixels	640x512
	Pixel Size	12 $\mu\text{m}$
	Thermal Sensitivity (NETD)	$\leq 35\text{ mK}$
	Spectral Range	8 ~ 14 $\mu\text{m}$
	Spatial Resolution	1.32 mrad / 0.48 mrad / 0.24 mrad
	Image Settings	Brightness, Sharpness, Contrast, 2D/3D DNR, Mirror / Flip, FFC
	Color Palettes	White & Black Hot, Ironbow, Rainbow etc up to 20 modes
<b>THERMAL LENS</b>	Lens	Fixed
	Focus Control	Auto / Manual
	Focal Length	9 / 25 / 50 mm
	F No	F1.0
	Digital Zoom	8x
	Angle of View (H)	48.0° / 17.0° / 8.8°
	Angle of View (V)	38.0° / 14.0° / 7.0°
	Angle of View (D)	61.2° / 42.0° / 11.2°
	Detection	9 mm: Human (1.8x0.5 m) - 379 m, Vehicle (1.4x4.0 m) - 1163 m 25 mm: Human (1.8x0.5 m) - 1042 m, Vehicle (1.4x4.0 m) - 3194 m 50 mm: Human (1.8x0.5 m) - 2083 m, Vehicle (1.4x4.0 m) - 6389 m
	Recognition	9 mm: Human (1.8x0.5 m) - 95 m, Vehicle (1.4x4.0 m) - 291 m 25 mm: Human (1.8x0.5 m) - 260 m, Vehicle (1.4x4.0 m) - 799 m 50 mm: Human (1.8x0.5 m) - 521 m, Vehicle (1.4x4.0 m) - 1597 m
	Identification	9 mm: Human (1.8x0.5 m) - 47 m, Vehicle (1.4x4.0 m) - 145 m 25 mm: Human (1.8x0.5 m) - 130 m, Vehicle (1.4x4.0 m) - 399 m 50 mm: Human (1.8x0.5 m) - 260 m, Vehicle (1.4x4.0 m) - 799 m
	Fire Detection	9 mm: Fire size (2.0mx2.0m) - 1000 m, Fire (1.0mx1.0m) - 500 m 25 mm: Fire size (2.0mx2.0m) - 2760 m, Fire (1.0mx1.0m) - 1380 m 50 mm: Fire size (2.0mx2.0m) - 5400 m, Fire (1.0mx1.0m) - 2700 m

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►NORDEN® | IP DUAL SENSOR THERMAL PTZ CAMERA - GB - Version: 2.0

www.nordencommunication.com

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## ENC-HPT7Z-200R-06

MODEL	Model No.	ENC-HPT7Z-200R-06
	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	6.5 ~ 260 mm
	Focus Control	Auto / Manual
	Angle of View (H)	57.6° ~ 2.9°
	Angle of View (V)	33.5° ~ 1.6°
	Angle of View (D)	66.6° ~ 3.3°
	Optical Zoom	40x
	Digital Zoom	16x
	Aperture	F1.6 ~ F5.1
	Min. Illumination	Color:0.0001 Lux @ F1.6; B/W:0.00005Lux with IR on
	Defog	Optical Defog
	Smart IR	Up to 200 m
Detection	6.5 ~ 260 mm: Human (1.8m×0.5m) - 67 ~ 2690 m, Vehicle (1.4m×4.0m) - 206 ~ 8248 m	
Observation	6.5 ~ 240 mm: Human (1.8m×0.5m) - 27 ~ 1067 m, Vehicle (1.4m×4.0m) - 82 ~ 3273 m	
Recognition	6.5 ~ 240 mm: Human (1.8m×0.5m) - 13 ~ 538 m, Vehicle (1.4m×4.0m) - 41 ~ 1650 m	
Identification	6.5 ~ 240 mm: Human (1.8m×0.5m) - 7 ~ 269 m, Vehicle (1.4m×4.0m) - 21 ~ 825 m	
VIDEO	Video Compression	H.265, H.264, MJPEG
	Frame Rate	Main Stream: Thermal: (2688×1520,1024×768) @25/30fps; Visible: (2688×1520, 1920×1080)@25/30fps; Sub Stream: Thermal: (640×512) @25/30fps; 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	1280kbps ~ 12.8 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	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)
	Intelligent Identification	Thermal: Flame Point Detection
	Statistical Analysis	Thermal/Visible: Human & Vehicle Classification
	Alarm Notification	E-mail (Notification & Snapshot), HTTP (Alarm icon), FTP (Snapshot & Recording), SD Card (Recording)
Auto Tracking	Supported	
INTERFACE	Protocols	TCP/IP, IPv4, HTTP, HTTPS, FTP, SMTP, UPnP, DNS, DDNS, NTP, RTSP, RTCP, RTP, UDP, IGMP, ICMP, DHCP
	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	7/2
	Heater	Supported
	Fan	Supported
	Smart Wiper	Supported
Max.User	32	

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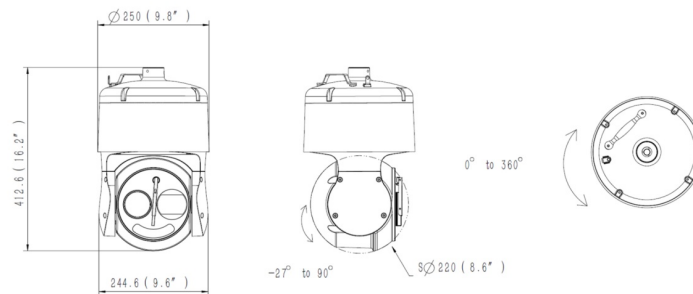
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## ENC-HPT7Z-200R-06

MODEL		ENC-HPT7Z-200R-06
Type		IP DUAL SENSOR THERMAL PTZ CAMERA
PAN AND TILT	Pan Range	0° ~ 360° (Endless)
	Pan Speed	Pan Manual Speed: 0.1°~ 200°/s, Pan Preset Speed: 200°/s
	Tilt Range	-27° ~ +90°
	Tilt Speed	Tilt Manual Speed: 0.1° ~ 120°/s, Tilt Preset Speed: 120°/s
	Preset Accuracy	±0.05°
	Number of Preset	1024
	3D Position	Supported
	Power off Memory	Supported
	PTZ Mode	8 Tour
GENERAL	Power Supply	24V DC
	Max. Power consumption	≤48W
	Working Temperature	-40 °C ~ 70 °C
	Working Humidity	≤90% RH
	Ingress Protection	IP66
	Vandal Resistant	IK10 (Housing)
	Surge Protection	TVS6000V
	Dimensions	Φ250x413 mm
	Weight	8 Kg

Dimension Unit : mm



### ORDERING INFORMATION

Part Number	Description	Standard Quantity
ENC-HPT7Z-200R-06 (With 9 mm Thermal Lens)	4MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 40X Optical Zoom and Thermal Imaging Camera with 640*512 Thermal Resolution, 200m IR and SD Card Slot Support	1
ENC-HPT7Z-200R-06 (With 25 mm Thermal Lens)	4MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 40X Optical Zoom and Thermal Imaging Camera with 640*512 Thermal Resolution, 200m IR and SD Card Slot Support	1
ENC-HPT7Z-200R-06 (With 50 mm Thermal Lens)	4MP IP Dual Sensor Temperature Detection Thermal PTZ Camera with Visible Lens of 40X Optical Zoom and Thermal Imaging Camera with 640*512 Thermal Resolution, 200m IR and SD Card Slot Support	1
ENB-BRPW66	Wall Mount Bracket for Norden PTZ Camera (Included in device package)	1
ENB-BRPV66	Pole Mount Bracket for Norden PTZ Camera	1

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**ENC-HPT7Z-200R-06**

### PACKING INFORMATION

Part Number	Packing Mode	Gross weight(Kg)	Dimension(mm)
ENC-HPT7Z-200R-06	Carton Box	-	-

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