

5MP EXPLOSION PROOF THERMAL PTZ CAMERA

ENC-HPT8Z-33X-23

FEATURES

304 / 316L Stainless Steel Construction

640x512/ 400x300 Thermal Resolution

33X Optical Zoom

ONVIF Profile (S, G, T)

Wiper Support

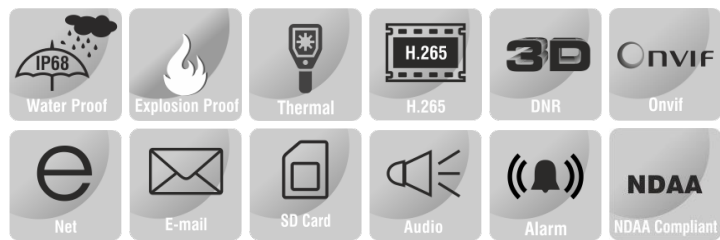
ATEX/ IECEx/ CCoE (PESO) Certified

Applicable for GAS Zone 1, Zone 2, Class IIA, IIB, IIC

Applicable for Temperature Classes T1-T6

Applicable for Dust Zone 21, 22

IP68



SPECIFICATION

MODEL	Model No.	ENC-HPT8Z-33X-23
	Type	5MP EXPLOSION PROOF THERMAL PTZ CAMERA
THERMAL CAMERA	Detector Type	Uncooled VOx Focal Plane Arrays
	Effective Pixels	640x512 and Image can be scaled up to 1280x1024 (400x300 and Image can be scaled up to 704x576)
	Pixel Size	12um (640x512) / 17um (400x300)
	Thermal Sensitivity (NETD)	≤40 mK
	Spectral Range	8~14um
	Image Setting	Brightness, Sharpness, Contrast, Mirror, 3D DNR, Mirror / Flip, FFC
	Color Palettes	White & Black Hot, Ironbow, Rainbow etc. up to 17 modes
THERMAL	Iris	Auto Fixed IRIS
	DVE Image Enhance	Supported
	Lens	Fixed
	Focus Control	Motorized Focus
	Focal Length	25/50/75/100 mm
F No.	1.0	

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Type		5MP EXPLOSION PROOF THERMAL PTZ CAMERA
VISIBLE CAMERA	Image Sensor	1/2.8" CMOS Progressive 5.0 MegaPixel
	Day / Night	IR Cut Filter with Auto Switch
	Lens Type	Motorized Lens
	Focal Length	4.7-155.1 mm (Optional 4.5 to 148.5mm) Lens
	Focus	Auto / Semi Auto / Manual
	Iris Type	DC Auto Iris
	Angle of View (H)	55.0°~2.3°
	Angle of View (V)	41.6°~1.7°
	Angle of View (D)	68.9°~2.8°
	Aperture Range	F1.6 ~ F4.3
	Optical Zoom	33x
	Digital Zoom	16x
	Electronic Shutter	1s - 1/100,000s, Auto/Manual
	Min. Illumination	Color: 0.001 lux @ F1.6, 0 lux with IR
	AGC	Auto / Manual
	Digital Noise Reduction	2D & 3D DNR, Auto / Manual
S/N Ratio	≥55 dB	
Defog	Smart Defog	
WDR	120 dB	
Max. Resolution	2592x1944	
Video Compression	Enhanced(H.265,H.264), H.265, H.264, MJPEG	
Frame Rate	Main Stream: Thermal (1280x1024,1280x720,640x512) @ 25fps, (Optional: 704x576 @ 25/30fps) Visible: (2592x1944) @ 25/30fps, (1920x1080, 1280x720) @ 50/60fps Sub Stream: Thermal (704x576, 352x288) @25fps, (Optional: 352x288) @ 25/30fps Visible:(1020x1080, 1280x720, 704x576,) @ 25/30fps Third Stream: Visible(640x480, 352x288, 320x240, 176x144) @ 25/30fps Fourth Stream: Visible(640x480, 352x288, 320x240, 176x144)) @ 25/30fps (Optional)	
Stream Settings	i-Frame, PAL/NTSC, Frame Rate, SVC	
EIS	Supported	
Video Bit Rate	Thermal:100Kbps ~ 8 Mbps, (Optional 10Kbps ~ 6Kbps) Visible: 100Kbps ~ 12 Mbps	
Bitrate Type	CBR, VBR	
Image Settings	Brightness, Contrast, Saturation, Sharpness, Day/Night (Color, Mono, Auto), Flip/Mirror/Rotation, Multiple Scene & Profile Auto, Day/Night, Tungsten, Manual	
White Balance	Auto / Manual	
HLC	Supported	
BLC	Supported	
OSD	Supported	
ROI	Up to 8 regions	
Privacy Mask	Up to 4 regions	
AUDIO	Audio Compression	G.711U, G.711A, RAW_PCM
	Audio I/O	1/1
	Audio Bit Rate	64Kbps, 128Kbps

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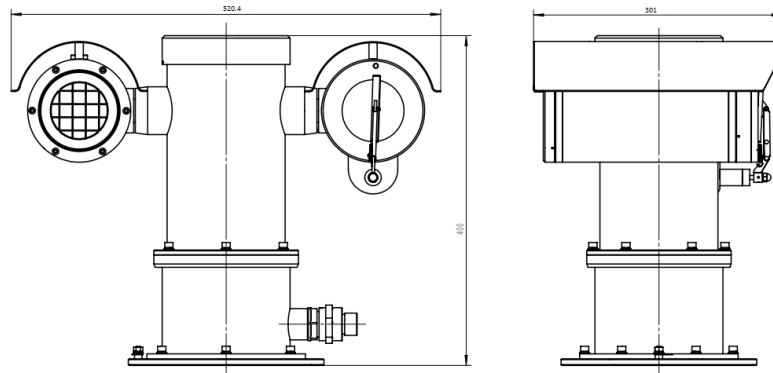
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	Type	5MP EXPLOSION PROOF THERMAL PTZ CAMERA
SMART	Behavior Detection	Thermal / Visible: Intrusion (Perimeter), Crossline (Tripwire), Double crossline (Double Tripwire), Loitering
	Statistical Analysis	Thermal / Visible: People Counting, Wrong Way Detection, Human & Vehicle Detection
	Alarm Management	Thermal: Temperature Detection, Visible: Illegal Parking, Fire Point Detection, Smoke Detection
	Alarm Notifications	Motion Detection, Tampering (Masking), Input & Output Event, Network Alarm, Disk Alarm, Day Night Switch Alarm, Abnormal Audio Alarm, Pre/Post Alarm Recording, Alarm Recording/Snapshot
	Intelligent Identification	E-mail (Notification & Snapshot), HTTP (Alarm icon), FTP (Snapshot & Recording), SD Card (Recording)
TEMPERATURE	Detection Mode	Thermal / Visible: Loitering, Region Entry / Exit
	Alarm	Spot, Line, Area
	Accuracy	Over/Difference Alarm
	Response Time	±2°C / ±2%
	Measurement range	≤30ms
INTERFACE	Protocols	Mode1: -20°C ~ 150°C Mode2: 150°C ~ 900°C (±0.2°C accuracy up to 15M and ±15-20% accuracy up to 50M)
	Security	TCP/IP, UDP, IPv4, IPv6, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, IGMP, 802.1X, Unicast, Multicast, QoS, ARP, SNMP, Telnet, SSL/TLS1.2
	Compatibility	TLS Video Encryption, IP Filter, User Authentication (Multiple Privilege Level), 802.1X Authentication (EAP-MD5), HTTPS Authentication, RTSP Authentication, Digest Authentication, User Access Log
	Network	ONVIF (S, G, T), SDK, CGI
	Alarm I/O	1 x RJ45 10M/100M Self Adaptive Ethernet Port
	Serial Interface	1/1
	Edge Storage	1xRS485
	ANR	SD card slot, up to 512 GB
	Built-in Heater	Supported
	Wiper	Supported(Optional)
	Max. User Access	Supported
	Client Application	32
	EyeGuard	EyeGuard
PAN AND TILT	Pan Range	0° ~ 360° (Endless)
	Pan Speed	Pan Manual Speed: 0.1°/s ~ 45°/s, Pan Preset Speed: 45°/s
	Tilt Range	-90° ~ +90°
	Tilt Speed	Tilt Manual Speed: 0.1°/s ~ 45°/s, Tilt Preset Speed: 45°/s
	Preset Accuracy	±0.1°
	Cruise Scan	Supported
	Keep watch	Supported
	Preset	300
	Resume function	Supported
	Auto Cruise	Supported
Auto Scan	Supported	
GENERAL	Power Supply	AC 220V / AC 24V / DC 24V / PoE++ (IEEE 802.3bt-Type 4)
	Max Power Consumption	≤70W (with thermostat)
	Working Temperature	-40°C ~ 70°C
	Working Humidity	≤95% RH (non-condensing)
	Atmospheric pressure	80 kPa ~ 110 kPa
	Window glass	Strong tempered glass
	Sun shade	Supported
	Ingress Protection	IP68
	Surge Protection	TVS6000V
	Reset Button	Supported
	Dimensions	520.4x301x400 mm
	Net Weight	38 kg

5MP EXPLOSION PROOF THERMAL PTZ CAMERA

ENC-HPT8Z-33X-23

Dimension Unit : mm



ORDERING INFORMATION

Part Number	Description	Standard Quantity
ENC-HPT8Z-33X-23	5MP SS316L (optional SS304) Explosion-proof IP Thermal PTZ camera with 640*512 (400*300 Optional) Thermal Resolution, 25mm (optional 50, 75, 100mm) Motorized Focus Thermal Lens , 33X Visible Optical Zoom, Wiper and SD card slot Support	1
ENB-BZPW68	Wall Mount Bracket for Eyenor Explosion / Corrosion Proof PTZ Camera	1
ENB-BZPH68	Corner Mount Bracket for Eyenor Explosion / Corrosion Proof PTZ Camera	1
ENB-BZPV68	Pole Mount Bracket for Eyenor Explosion / Corrosion Proof PTZ Camera	1
ENA-EXH010	1 Meter Explosion / Corrosion Proof Hose for Eyenor Explosion / Corrosion Proof Camera	1
ENA-EXH015	1.5 Meter Explosion / Corrosion Proof Hose for Eyenor Explosion / Corrosion Proof Camera	1
ENA-EXH020	2 Meter Explosion / Corrosion Proof Hose for Eyenor Explosion / Corrosion Proof Camera	1

PACKING INFORMATION

Part Number	Packing Mode	Gross weight(Kg)	Dimension(mm)
ENC-HPT8Z-33X-23	Carton Box	-	-