

Network

TNP-X6322EPT3-Z

2MP Explosion-proof PTZ

Key Features

- 2 MP (1920 x 1080) resolution, 32x optical zoom
- H.265, H.264, MJPEG codec support
- Multiple streaming, WiseStream II support
- Day & Night (ICR), WDR (150dB)
- DIS with Built-in Gyro sensor
- Auto tracking, Intelligent video analytics
- Dual SD Memory slots (Maximum 512GB)
- Hazardous Rated for Class I II III Division 1 Groups B, C, D, E, F, G cFMus Approved and II 2 G Ex db IIB+H2 II 2 D Ex tb IIIC IECEX ATEX certified Patented design which includes a uniform constructed enclosure consisting of an integrated termination box manufactured directly into the camera housing
- Anodized aluminum housing
- Optional wall-mount required

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com
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Specifications

Video

Imaging Device	Size	1/2.8"
	Type	CMOS
Resolution		1920x1080, 1920x1080, 1280x1024, 1280x1024, 1280x960, 1280x960, 1280x720, 1280x720, 1024x768, 1024x768, 800x600, 800x600, 800x448, 800x448, 720x576, 720x576, 720x480, 720x480, 640x480, 640x480, 640x360, 640x360, 320x240, 320x240
Max. Framerate	H.265/H.264	60fps/50fps(60Hz/50Hz)
	MJPEG	30fps
Min. Illumination (Lux)	Color(1/30sec, 30IRE)	0.05
	BW(1/30sec, 30IRE)	0.005
Video Out		None, None

Lens

Focal Length (mm)		4.44 ~ 142.6
Zoom Ratio	Optical	32x
Max Aperture Ratio (F number)	Wide	1.6
	Tele	4.4
Angular Field of View	Horizontal	61.8°~2.19°
	Vertical	36.2°~1.24°
Min. Object Distance		1.5m (4.92ft)
Focus Control		Auto, Manual, Oneshot AF
Lens Type		DC auto iris
Mount Type		Board-in Type

Pan / Tilt / Rotate

Pan / Tilt / Rotate Range	Pan	360°
	Tilt	-15°~195°
Pan Speed	Preset	Max. 700°/sec
	Manual	0.024°/sec~200°/sec
Tilt Speed	Preset	Max. 700°/sec
	Manual	0.024°/sec~200°/sec

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Pan / Tilt / Rotate

Sequence	Preset(300ea), Swing, Group(6ea), Trace, Tour, Auto Run, Schedule
Preset Accuracy	±0.2°

Operational

Direction Indicator		Support
Day & Night		Auto(ICR)
Backlight Compensation		BLC, HLC, WDR, SSDR
Wide Dynamic Range (dB)		150
Digital Noise Reduction		SSNR V
Digital Image Stabilization		Support(built-in gyro sensor)
Defog		Support
Motion Detection	Quantity	8ea
	Shape	8point Polygonal zones
Privacy Masking	Quantity	24ea
	Shape	Rectangular zones
	Color / Option	Gray, Green, Red, Blue, Black, White, Mosaic
Gain Control		Low, Middle, High, Off
White Balance		ATW, AWC, Manual, Indoor, Outdoor, Mercury, Sodium
Electronic Shutter	Mode	Minimum, Maximum, Anti flicker
	Speed Range	1~1/12,000sec
Video Rotation		Flip&Mirror
Alarm Triggers		Analytics, Network disconnect, Alarm input
Alarm Events When Alarm Trigger Occurred		File upload(image): e-mail/FTP, Notification: e-mail, Recording: SD/SDHC/SDXC or NAS recording at event triggers, Handover: PTZ preset,send message by HTTP/HTTPS/TCP
Auto Tracking		Support

Analytics

Analytics Events	Normal	Motion detection, Tampering, Fog detection, Face detection, Virtual area(Lotering, Intrusion, Enter/Exit, Appear/Disappear), Virtual line(Crossing, Direction)

Network

Ethernet	RJ-45(10/100BASE-T)
Video Compression	H.265: Main, H.264: Main/High,MJPEG
Smart Codec	Manual, WiseStream II
Bitrate Control	H.265/H.264: CBR or VBR, MJPEG: VBR

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Network

Streaming	Unicast	Up to 20 users
	Multicast	Support
	Multiple Streaming	Up to 10 profiles
Protocol		IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMPv2, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, PPPoE
Application Programming Interface	ONVIF	S, G
	Others	SUNAPI(HTTP API), Hanwha Vision Open Platform

Security

User authentication	Digest authentication
Network authentication	IEEE 802.1X(EAP-TLS, EAP-LEAP)
Secure Communication	HTTPS
Access Control	IP-based access control
Audit	Access / System / Event Log management

General

Memory	RAM	1GB
	Flash	256MB
Edge Storage	Micro SD/SDHC/SDXC	Max. 256GB x 2slot(Total 512GB)

Environmental & Electrical

Operating Condition	Temperature	-20°C~+55°C(-4°F~+131°F)
	Humidity	0~90% RH(non-condensing)
Storage Condition	Temperature	-30°C~+60°C(-22°F~+140°F)
	Humidity	0~90% RH(non-condensing)
Input Voltage		PoE+(IEEE802.3at, Class4)
Power Consumption	PoE	Max. 24W

Mechanical

Color	Orange
Material	Aluminum
RAL Code	RAL2000-Yellow Orange
Product Dimensions	ø218.4X401.8 (8.60X15.82")
Product Weight	12.7Kg(28 lb)

Certifications & Standards

Environment	IEC 60529 IP66, NEMA 250 type 4X

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