



Explosion Proof

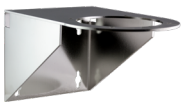
PTZ

# TNP-X6322EPT3-Z

2MP 32x Network PTZ Explosion Proof Dome Camera



## Accessories (Optional)



**HT-SD-WM**  
Wall Mount Bracket



**HT-SPMA-SD**  
Pole Mount Bracket



**HT-SD-FP**  
Protection Cable  
(Supplied with  
camera unit)



**HT-SD-CM**  
Corner Mount Bracket

## Key Features

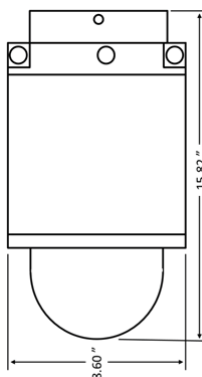
- 2MP (1920 x 1080) resolution, 32x optical zoom
- H.265, H.264, MJPEG codec support
- Multiple streaming, WiseStreamII support
- Day & Night (ICR), WDR (150dB)
- DIS with Built-in Gyro sensor
- Auto tracking, Intelligent video analytics
- Dual SD Memory slots (Maximum 512GB)
- Hazardous Rated for Class 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

## Model Number

# TNP-X6322EPT3-Z

<b>Body Style :</b> PTZ Dome : P	<b>Power :</b> P : PoE+	<b>Resolution :</b> 6 : 2 Megapixel	<b>Certification :</b> FM C1/D1 : Z
<b>Camera Series :</b> X : X series Q : Q series	<b>Temperature Rating :</b> -20°C : T3		

## Dimensions



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## Specifications

VIDEO	
Imaging Device	1/2.8" 2.4MP CMOS
Total / Effective Pixels	1,981(H) x 1,288(V) 2.55MP / 1,944(H) x 1,212(V), 2.35MP
Scanning System	Progressive Scan
Minimum Illumination	<b>Color:</b> 0.05Lux (F1.6) , <b>B/W:</b> 0.005Lux ( F1.6)
S/N Ratio	50dB
LENS	
Focus Length (Zoom Ratio)	4.44 ~ 142.6mm (Optical 32x)
Maximum Aperture Ratio	Varifocal f1.5 / i-CS lens, CS lens mount
Focal Length / Angular FoV	3.9 - 10mm
OPERATIONAL	
Camera Title	Off On (Displayed up to 85 characters) - English / Numeric / International characters / Special characters - Common: Multi-line (Max. 5), Color (Grey / Green / Red / Blue / Black / White), Transparency, Auto scale by resolution
Day & Night	Auto (ICR) / Color / B/W / External / Schedule
Backlight Compensation	Off / BLC / HLC (Masking / Dimming), WDR
Wide Dynamic Range (WDR)	120dB
Contrast Enhancement	SSDR (Off / On)
Digital Noise Reduction	SSNRV (2D + 3D noise filter) (Off / On)
Digital Image Stabilization	Off / On (Built-in Gyro sensor)
Defog	Off / Auto (Input from fog detection) / Manual
Motion Detection	Off / On (8ea, 8point polygonal zones), Handover
Privacy Masking	Off / On (6ea, Polygonal) - Color: Grey / Black / White
Gain Control	Off / Low / Middle / High / Manual
White Balance	ATW / AWC / Manual / Indoor / Outdoor (Included mercury & sodium)
Electronic Shutter Speed	Level adjustment
Digital Zoom	Off / On (5 levels with minimum / maximum)
Flip / Mirror	Minimum / Maximum / Anti flicker (2 ~ 1/12,000sec)
Intelligent Video Analytics	24x, AI Digital PTZ (Preset, Group)
Alarm Triggers	Off / On, Hallway view: 90° / 270°
Alarm Events	- <b>Analytics events based on AI engine:</b> Object detection, Face mask detection, Directional detection, Digital auto tracking, Enter / Exit, Loitering, Virtual line. Includes metadata & Best Shot. - <b>Analytics events:</b> Defocus detection, Motion detection, Appear / Disappear, Tampering, Audio detection, Sound classification, Shock detection
Pixel Counter	Support

NETWORK	
Ethernet	Shielded RJ-45 (10/100/1000 BASE-T)
Video Compression Format	H.265 / H.264 (MPEG-4 part 10/AVC), MJPEG
Resolution	1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 800 x 448, 720 x 576, 720 x 480, 640 x 480, 640 x 360, 320 x 240
Maximum Framerate	<b>H.264 / H.265</b> : 60fps at all resolutions, <b>MJPEG</b> : 30fps at all resolutions
Smart Codec	Manual mode (Area-based: 5ea)
WiseStream II	Support
Video Quality Adjustment	<b>H.265 / H.264 / MJPEG</b> : Target bitrate level control
Bitrate Control Method	<b>H.265 / H.264</b> : CBR or VBR, <b>MJPEG</b> : VBR
Streaming Capability	Multiple Streaming (Up to 10 profiles)
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour
Security	HTTPS (SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1X authentication (EAP-TLS, EAP-LEAP)
Streaming Method	Unicast / Multicast
Maximum User Access	20 users at Unicast mode
Edge Storage	Micro SD/SDHC/SDXC 2 slots (up to 512 GB) - Continuous recording (1st slot to 2nd slot) Motion images recorded in the SD/SDHC/SDXC memory card can be downloaded. NAS (Network Attached Storage), Local PC for instant recording
Application Programming Interface	ONVIF Profile S/G, SUNAPI 2.0 (HTTP API), Wisenet Open Platform
Webpage Language	English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek
Web Viewer	<b>Supported OS</b> : Windows 7, 8.1, 10, Mac OS X 10.10, 10.11, 10.12 <b>Plugin-Free Webviewer</b> <b>- Supported Browser</b> : Google Chrome 54, MS Edge 38, Mozilla Firefox (49Windows 64bit only), MS Internet Explorer 11, Apple Safari 9 *Mac OS X only
Central Management Software	Wisenet WAVE, SmartViewer
ENVIRONMENTAL	
Operating Temperature PoE only	-20°C ~ +55°C (-4°F ~ +131°F) / Less than 90% RH
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
Ingress Protection	Type 4x / IP66
ELECTRICAL	
Input Voltage	PoE+ (IEEE802.3aat, Class4)
Power Consumption	Maximum 24W
MECHANICAL	
Color / Material	RAL2000-Yellow Orange / Anodized Aluminum
Dimensions (WxHxD)	Ø8.6" x 15.82"
Weight	28lb (12.7kg)