

Network

TNO-X6320EPT0-C

Explosion-proof Zoom Camera

Key Features

- 1080p @ 60fps
- 32x optical zoom with auto focus
- Multiple streaming
- Intelligent video analytics
- Wide Dynamic Range (150dB)
- Built-in dual micro SD/SDHC/SDXC memory slots
- PoE Power

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Explosion-proof Zoom Camera



Specifications

Video

Imaging Device	Size	1/2.8"
	Type	CMOS
Resolution		1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 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

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

Operational

Day & Night		Auto(ICR)
Backlight Compensation		BLC, HLC, WDR
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

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Operational

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
Serial Interface		RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell)
Alarm Interface	In/Out	Input 1ea, Output 2ea
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,Alarm output, Handover: PTZ preset
Audio In		Selectable(mic in/line in)
Audio Out		Line out

Analytics

Analytics Events	Normal	Motion detection, Tampering, Fog detection, Face detection, Audio detection, Sound classification, Shock 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/Baseline/High,MJPEG
Audio Compression		G.711 u-law /G.726 selectable,G.726(ADPCM) 8kHz,G.711 8kHz, G.726: 16kbps,24kbps,32kbps,40kbps, AAC-LC: 48kbps at 16kHz
Smart Codec		Manual, WiseStream II
Bitrate Control		H.265/H.264: CBR or VBR, MJPEG: VBR
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, LLDP, PPPoE, PIM-SM
Application Programming Interface	ONVIF	S, G, T
	Others	SUNAPI(HTTP API), Hanwha Vision Open Platform

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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	-10°C~+55°C(+14°F~+131°F)
	Humidity	0~90% RH(non-condensing)
Storage Condition	Temperature	-40°C~+60°C(-40°F~+140°F)
	Humidity	0~90% RH(non-condensing)
Input Voltage		PoE(IEEE802.3af, Class3)
Power Consumption	PoE	12.0W

Mechanical

Color	Silver
Material	Stainless(STS316L)
Product Dimensions	176x334mm(6.93x13.15")
Product Weight	8.54Kg (18.9lb)

Certifications & Standards

Environment	IEC 60529 IP66, IEC 60529 IP67, INMETRO, cLCus C1/D1, cLC CSA

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