

Network

TNU-X6320A1F2WT2-C

Explosion-proof PTZ Camera

Key Features

- 2MP (1920 x 1080) resolution
- 4.44-142.6mm (32x) optical zoom, 16x digital zoom
- H.265, H.264, MJPEG triple codec, WiseStream II
- DIS with built-in Gyro sensor
- Day & Night (ICR), WDR (120dB)
- Video Analytics, dual SDXC memory slots
- cLCus C1/D1, cLC CSA certified
- Electro-polished 316L stainless steel on all welded assemblies
- Camera station window in toughened glass
- Integrated Wiper
- 24VAC Supply voltage
- -60°C ~ +40°C (-67°F ~ +104°F) Operating temperature
- IP66/IP67 rated
- Single Mode Fiber 9/125µm 10/100Mb Ethernet

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com
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Explosion-proof PTZ 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
	Digital	16x
Max Aperture Ratio (F number)	Wide	1.6
	Tele	4.4
Angular Field of View	Horizontal	64.44°~2.29°
	Vertical	38.08˚~1.30˚
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	0°~360°
	Tilt	-90°~90°
Pan Speed	Preset	Max. 45°/sec
Tilt Speed	Preset	Max. 24°/sec

Operational

Day & Night		Auto(ICR)

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Operational

Backlight Compensation		BLC, HLC, WDR, SSDR
Wide Dynamic Range (dB)		120
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
Digital PTZ		Support
Video Rotation		Flip, Mirror
Alarm Triggers		Analytics, Network disconnect
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
Water Removal		Support(with Wiper)

Analytics

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

Network

Ethernet		RJ-45(10/100BASE-T) / Duplex single mode 9/125μm module (F2 models)
Video Compression		H.265: Main, H.264: Main/Baseline/High,MJPEG
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, SRTP(TCP, UDP Unicast), PPPoE, PIM-SM

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Network

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, SRTP
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	-60°C~+60°C(-76°F~+140°F)
	Humidity	0~90% RH(non-condensing)
Storage Condition	Temperature	-50°C~+60°C(-58°F~+140°F)
	Humidity	0~90% RH(non-condensing)
Input Voltage		24VAC
Power Consumption	24VAC	Max. 80W

Mechanical

Color	Silver
Material	Stainless(STS316L)
Product Dimensions	418x457x401mm(16.46x17.99x15.79")
Product Weight	33Kg (73lb)

Certifications & Standards

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

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