



WISENET T series

Explosion-proof Cameras

for Hazardous area

* TNU-6320E at Hanwha Chemical plant

Explosion proof cameras for hazardous environments

Heavy industrial facilities such as gas pipelines, petrochemical plants or oil refineries are potentially explosive because of flammable gases and dusts emitted. Therefore, it is important that a video surveillance system used in heavy industrial facilities is not the cause of explosions whilst still delivering high quality images. Wisenet T series explosion proof cameras satisfy both requirements by the powerful network camera and stainless steel housing enclosure surrounding it.



Stainless steel 316L enclosure to prevent explosions

T series explosion proof cameras are designed to be safely operated in hazardous areas with the special enclosure made of stainless steel 316L housing. The ATEX certified enclosure has the ability to contain any internal explosions or prevent sparks from escaping the device which may lead to a disaster.



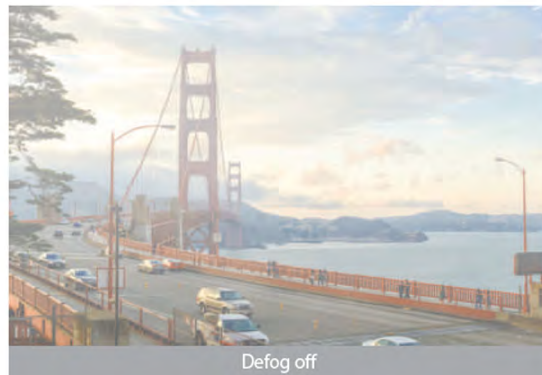
Capture details with 2MP 32x optical zoom

The powerful 2MP optical zoom 32x (4.44~142.6mm) camera SNZ-6320 is built in the explosion proof enclosure. 32x Optical zoom and 16x digital zoom helps users to see more further and clearly, capturing everything with sharpness without losing detail.



Defog technology to improve image clarity

Defog function is an image processing technology which helps increase image clarity in poor weather conditions such as fog or yellow dust. The visibility of the cameras can be enhanced in any weather condition so that users can monitor full-time.



360° endless pan rotation and 255 preset mode

TNU-6320E is capable of monitoring a broad range, with its 360° endless pan and 180° tilt feature moving at 1~50°/sec preset speed. In addition, the camera's flexibility is increased by 255 preset positions, allowing users to save settings for pan/tilt functions and automatically view the location desired.



255 preset mode

360° endless pan rotation

True WDR(120dB)

The true WDR function built into the explosion-proof camera provides enhanced picture quality, by resolving different brightness in a scene.



Product Specifications



TNO-6320E



TNU-6320E

Resolution	2MP	
Imaging Device	1/2.8" 2.38M CMOS	
Video Compression	H.264, MJPEG	
Resolution / Frame Rate	2M / 60fps	
Streaming Capacity	Multiple (Up to 10 Profiles)	
Max. User Access	10 (Unicast)	
Min. Illumination	Color : 0.15Lux, B/W : 0.015Lux	
Lens	4.44 ~ 142.6mm (Optical 32x), F1.6(Wide) / F4.4(Tele)	
Angular Field of View	H : 62.8°(Wide) ~ 2.23°(Tele) / V : 36.8°(Wide) ~ 1.26°(Tele)	
Focus Control	Auto / Manual / One push	
Pan / Tilt / Rotate	-	360° Endless / 180° (-90° ~ 90°) / -
Day & Night	Auto (ICR)	
Backlight Compensation	WDR (120dB)	
Digital Noise Reduction	SSNR III (2D+3D Noise filter)	
Digital Image Stabilization	Support	
Video & Audio Analytics	Motion detection, Virtual line, Enter/Exit, (Dis)Appear, Audio detection, Face detection	
Protocol	ONVIF Profile S, SUNAPI	
Alarm I/O	1 / 1 (Relay)	
Edge Storage	NAS	
Environment Protection	IP67, IK10	
Operating Temperature	-40°C ~ +60°C (-40°F ~ +140°F) * Start up above -30°C (-22°F)	
Power	Max. 28.0W - Heater on (24V AC)	Max. 49.0W - Heater on (24V AC)
Dimensions (WxHxD) / Weight	Ø162.0 x 244.0mm (Ø6.38" x 9.61") 7Kg (15.43 lb)	384.0 x 402.0 x 250.0mm (15.12" x 15.83" x 9.84") 35Kg (77.16 lb)
Additional Features	Explosion certification : CE2460 EX II 2 GD Ex d IIC T6 Gb IP67 Ex tb IIIC T85°C Db, Built in wiper	

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* The latest product information / specification can be found at hanwha-security.com