



Network

TNU-6324ER

2M Explosion-proof IR Camera



Key Features

- Max. 2MP (1920 x 1080) resolution
- H: 64.66°(Wide)~2.29°(Tele) / V: 38.08°(Wide)~1.30°(Tele)
- Max. 60fps/50fps(60Hz/50Hz)@2MP (H.265, H.264)
- H.265, H.264, MJPEG codec, WiseStream II
- IR viewable length 200m
- Day & Night (Auto ICR), WDR (120dB)
- Pan/Tilt : 0.1°/sec ~40°/sec, Endless rotation, Preset (300ea)
- Explosion-proof certificate: IECEx, ATEX, KCs, KC, CE/UKCA
- Stainless 316L, Built-in wiper
- IP67, IK10

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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		Oneshot AF
Lens Type		DC auto iris

Pan / Tilt / Rotate

Pan / Tilt / Rotate Range	Pan	360° Endless
	Tilt	180°(-90°~90°)
Pan Speed	Manual	0.5°/sec ~80°/sec
Tilt Speed	Manual	0.1°/sec~60°/sec
Sequence		Preset(300ea), Swing, Group(6ea), Trace, Tour, Auto Run, Schedule
Preset Accuracy		±0.25°

Operational

Direction Indicator	Support
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Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com
Hanwha Vision is formerly known as Hanwha Techwin.

Operational

Day & Night	Auto(ICR)	
Backlight Compensation	BLC, HLC, WDR, SSDR	
Wide Dynamic Range (dB)	120	
Digital Noise Reduction	SSNR V	
Digital Image Stabilization	Support	
Defog	Support	
Motion Detection	Quantity	8ea
	Shape	8point Polygonal zones
Gain Control	Low, Middle, High	
White Balance	ATW, AWC, Manual, Indoor, Outdoor	
Electronic Shutter	Mode	Minimum, Maximum, Anti flicker
	Speed Range	1~1/12,000sec
Alarm Interface	In/Out	Input 1ea, Output 1ea
Alarm Triggers	Analytics, Network disconnect, Alarm input	
Alarm Events When Alarm Trigger Occurred	File upload(image): e-mail/FTP, Notification: e-mail, Alarm output, Handover: PTZ preset, NAS recording at event triggers	
Light Type	IR LED	
Light Viewable Length	IR	200m(656.17ft)
IR Wavelength	850nm	
Water Removal	Support(with Wiper)	

Analytics

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

Ethernet	RJ-45(10/100BASE-T)	
Video Compression	H.265/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, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, PIM-SM	
Application Programming Interface	ONVIF	S, G, T
	Others	SUNAPI(HTTP API), Hanwha Vision Open Platform

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Security

OS / Firmware Protect	Encrypted firmware
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

Environmental & Electrical

Operating Condition	Temperature	-40°C~+60°C(-40°F~+140°F)
	Humidity	0~95% RH(non-condensing)
Storage Condition	Temperature	-30°C~+60°C(-22°F~+140°F)
	Humidity	0~95% RH(non-condensing)
Input Voltage		110VAC, 220VAC
Power Consumption	110VAC	1.7A, MaX. 120W

Mechanical

Color	Silver
Material	Stainless(STS316L)
Product Dimensions	611(W)x438(H)x235(D)mm(24.06x17.24x9.25")
Product Weight	36kg(79.37lb)

Certifications & Standards

Environment	IEC 60529 IP67, IEC 62262 IK10, ATEX II 2 G Ex db IIC T6 Gb, II 2 D Ex tb IIIC T80°C Db, IECEx Ex db IIC T6 Gb, Ex tb IIIC T80°C Db, KCs
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CAD

Unit: mm [inch]

MODEL	TNU-6324ER
TITLE	ASS'Y

