



Network

## TNU-6324E

2M Explosion-proof 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@2MP (H.265, H.264)
- H.265, H.264, MJPEG codec, WiseStream II
- 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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2M Explosion-proof Camera



### Specifications

Video	
Imaging Device	1/2.8" CMOS
Resolution	1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264: Max. 60fps/50fps(60Hz/50Hz) MJPEG: Max. 30fps/25fps(60Hz/50Hz)
Min. Illumination	Color: 0.05Lux(F1.6, 1/30sec) BW: 0.005Lux(F1.6, 1/30sec)
Lens	
Focal Length (Zoom Ratio)	4.44~142.6mm(32x) zoom
Max. Aperture Ratio	F1.6(Wide)~F4.4(Tele)
Angular Field of View	H: 64.66°(Wide)~2.29°(Tele) / V: 38.08°(Wide)~1.30°(Tele)
Min. Object Distance	Wide 1.5m, Tele 2m
Focus Control	Oneshot AF
Lens Type	DC auto iris
Pan / Tilt / Rotate	
Pan Range	360° Endless
Pan Speed	Preset: 50°/sec, Manual: 0.1°/sec~40°/sec
Tilt Range	180°(-90°~90°)
Tilt Speed	Preset: 50°/sec, Manual: 0.1°/sec~40°/sec
Sequence	Preset(300ea), Swing, Group(6ea), Tour, Auto Run, Schedule
Preset Accuracy	±0.25°
Operational	
Camera Title	Displayed up to 85 characters
Direction Indicator	Support
Day & Night	Auto(ICR)
Backlight Compensation	BLC, HLC, WDR, SSDR
Wide Dynamic Range	120dB
Digital Noise Reduction	SSNR V
Digital Image Stabilization	Support
Defog	Support
Motion Detection	8ea, 8point polygonal zones
Gain Control	Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (1~1/12,000sec)
Analytics	Directional detection, Fog detection, Face detection, Motion detection, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line

Design and specifications are subject to change without notice. The latest product information / specification can be found at [HanwhaVision.com](http://HanwhaVision.com).

Hanwha Vision is formerly known as Hanwha Techwin.

Alarm I/O	Input 1ea / Output 1ea
Alarm Triggers	Analytics, Network disconnect, Alarm input
Alarm Events	File upload via FTP and e-mail Notification via e-mail Alarm output PTZ Preset
Water Removal	Support (with Wiper)

Network	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression	H.265/H.264: Main/Baseline/High, MJPEG
Smart Codec	Manual(5ea area), WiseStream II
Bitrate Control	H.264/H.265: CBR or VBR MJPEG: VBR
Streaming	Unicast(20 users) / Multicast 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, PIM-SM, UPnP, Bonjour, LLDP, SRTSP
Application Programming Interface	ONVIF Profile S/T SUNAPI(HTTP API) Wisenet open platform

Security	
OS / Firmware Protect	Firmware encryption
User authentication	Digest Authentication, Prevent brute-force attack
Network authentication	802.1X Authentication(EAP-TLS, EAP-LEAP, EAP-PEAP MSCHAPv2)
Secure Communication	HTTPS, SRTP, WSS(Websocket secure)
Access Control	Access control based on IP address
Data Protect	Authentication information encryption, ZIP compression encryption
Audit	User Access/System/Event log management
Device ID	Device Certificate(Hanwha Private Root CA)

General	
Webpage Language	English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek
Memory	1024MB RAM, 256MB Flash

Environmental & Electrical	
Operating Temperature / Humidity	-40°C~+60°C(-40°F~+140°F) / Less than 95% RH * Start up should be done at above -30°C
Storage Temperature / Humidity	-30°C~+60°C(-22°F~+140°F) / Less than 95% RH
Certification	IECEX, ATEX, KCs, KC, CE/UKCA IP67, IK10 certified
Input Voltage	100-240VAC
Power Consumption	1.4A, Max. 87W

Mechanical	
Color / Material	Metalic Silver / Stainless 316L
Product Dimensions / Weight	355(W)x427(H)x235(D)mm(13.97x16.81x9.25"), 26kg(57.32lb)
Wall Mount	SBE-100WM
Pole Mount	SBE-100PM
Other Compatible Models	SBE-100B

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**DORI (EN62676-4 standard)**

Detect (25PPM/ 8PPF)	Wide: 60.7m(199.1ft) / Tele: 1921.3m(6303.4ft)
Observe (63PPM/ 19PPF)	Wide: 24.3m(79.6ft) / Tele: 768.5m(2521.4ft)
Recognize (125PPM/ 38PPF)	Wide: 12.1m(39.8ft) / Tele: 384.3m(1260.7ft)
Identify (250PPM/ 76PPF)	Wide: 6.1m(19.9ft) / Tele: 192.1m(630.3ft)

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## TNU-6324E

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**CAD**

Unit:mm [inch]

TNU-6322E

