

# TNO-6321E

2MP Explosion-proof Camera

Network



FC |  | CE | EAC

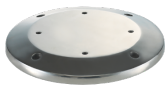
## Key Features

- Max. 2MP (1920 x 1080) resolution
- H: 61.8(Wide)~2.19(Tele) / V: 36.2(Wide)~1.24(Tele) field of view
- Color: 0.05Lux (1/30sec, F1.6), B/W: 0.005 Lux (1/30sec, F1.6)
- H.264, H.265, MJPEG codec, WiseStream II
- Day & Night (ICR), WDR (120dB)
- Face detection, Tampering, Virtual line support
- Explosion-proof certificate : CE2460, EX II 2 GD, Ex d IIC T6 Gb IP67 Ex tb IIIC T80°C Db
- Stainless 316L, Built-in Wiper
- IP67, IK10

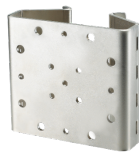
## Compatible Accessories (Optional)



SBE-100WM



SBE-100B



SBE-100PM

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 (1/30sec, F1.6) B/W: 0.005 Lux (1/30sec, F1.6)
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: 61.8(Wide)~2.19(Tele) / V: 36.2(Wide)~1.24(Tele)
Min. Object Distance	Wide 1.5m, Tele 2m
Focus Control	One shot AF
Lens Type	DC auto iris
Operational	
Camera Title	Displayed up to 85 characters
Day & Night	Auto(ICR)
Backlight Compensation	BLC, HLC, WDR, SSSDR
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)
Video Rotation	Flip, Mirror
Analytics	Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line
Alarm I/O	Input 1ea / Output 1ea
Alarm Triggers	Analytics, Alarm input
Alarm Events	File upload via FTP and e-mail Notification via e-mail NAS recording at event triggers Alarm output Zoom Preset
Water Removal	Support (with Wiper)
Network	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression	H.265/H.264: Main/Baseline/High, MJPEG

<b>Smart Codec</b>	Manual(5ea area), WiseStream II
<b>Bitrate Control</b>	H.264/H.265: CBR or VBR MJPEG: VBR
<b>Streaming</b>	Unicast(20 users) / Multicast Multiple streaming(Up to 10 profiles)
<b>Protocol</b>	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
<b>Security</b>	HTTPS(SSL) login authentication Digest login authentication IP address filtering User access log 802.1X authentication(EAP-TLS, EAP-LEAP)
<b>Application Programming Interface</b>	ONVIF Profile S/G/T SUNAPI(HTTP API) Wisenet open platform

### General

<b>Webpage Language</b>	English, Korean, French, Italian, Spanish, German, Japanese, Russian, Swedish, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian
<b>Memory</b>	1024MB RAM, 256MB Flash

### Environmental & Electrical

<b>Operating Temperature / Humidity</b>	-40°C~+60°C (-40°F~+140°F) / Less than 90% RH * Start up should be done at above -30°C
<b>Storage Temperature / Humidity</b>	-30°C~+60°C(-22°F ~ +140°F) / Less than 90% RH
<b>Certification</b>	IP67, IK10 CE2460, EX II 2 GD, Ex d IIC T6 Gb IP67 Ex tb IIIC T80°C Db
<b>Input Voltage</b>	24VAC
<b>Power Consumption</b>	24VAC: Max 28W

### Mechanical

<b>Color / Material</b>	Metalic Silver / Stainless 316L
<b>Product Dimensions / Weight</b>	Ø162 x 244mm(Ø6.38 x 9.61"), 7Kg(15.43 lb)

- The latest product information / specification can be found at [hanwha-security.com](http://hanwha-security.com)
- Design and specifications are subject to change without notice.
- Wisenet is the proprietary brand of Hanwha Techwin, formerly known as Samsung Techwin.

