

iDS-TCW403-BI
4 MP IR Container No. Recognition Camera



- High performance Container No. Recognition bullet camera
- Excellent low-light performance with DarkFighter technology
- High quality imaging with 4 MP resolution(1/1.8" CMOS)
- Clear imaging against strong back light due to 140 dB WDR technology
- Motorized vari-focal lens for easy installation and monitoring
- Water and dust resistant (IP67) and vandal proof (IK10)

▪ Specification

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	2688 × 1520
Min. Illumination	Color: 0.001 Lux @ (F1.2, AGC ON),B/W: 0.0001 Lux with IR
Shutter Time	1 s to 1/100000 s
Day & Night	IR cut filter
Lens	
Focal Length & FOV	2.8 to 12 mm, horizontal FOV 113.5° to 39°, vertical FOV 58.4° to 22.7°, diagonal FOV 141.3° to 44.3°
Focus	Auto
Iris Type	Auto-iris: DC drive
Aperture	F1.38
Illuminator	
Built-in Supplement Light Type	IR light
Built-in Supplement Light Range	Up to 40 m
IR Wavelength	850 nm
Video	
Main Stream	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 760, 704 × 576, 352 × 288) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 760, 704 × 576, 352 × 288)
Sub-Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 760, 704 × 576, 352 × 288) 60 Hz: 30 fps (1920 × 1080, 1280 × 760, 704 × 576, 352 × 288)
Third Stream	50 Hz: 25 fps (1280 × 760, 704 × 576, 352 × 288) 60 Hz: 30 fps (1280 × 760, 704 × 576, 352 × 288)
Video Compression	Main stream: H.265/H.264/MJPEG, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Baseline Profile,Main Profile,High Profile
H.265 Type	Main Profile
Audio	
Audio Compression	G.722.1,G.711
Audio Bit Rate	8 Kbps (G.711),16 Kbps (G.722.1)
Network	
Protocols	TCP/IP,ICMP,802.1X,IGMP,SNMP,SMTP,NTP,HTTP,HTTPS,FTP,SFTP,DHCP,DNS,DDNS,RTSP,RTCP,QoS,IPv4/IPv6,UDP,ARP,ISUP
Simultaneous Live View	Up to 6 channels
API	ONVIF (PROFILE S, PROFILE G, PROFILE T),ISAPI,SDK,ISUP
User/Host	Up to 32 users,3 user levels: administrator, operator, and user
Security	Password protection,Complicated password,HTTPS encryption,802.1X authentication (EAP-PEAP.EAP-LEAP.EAP-MD5),Watermark,IP address filter,Basic and digest authentication for HTTP/HTTPS,Host authentication (MAC address),TLS 1.2,1.3,Control timeout settings,Security audit log,RTP/RTSP over HTTPS,WSSE and digest authentication for ONVIF
Network Storage	TF/SD card (512 GB),Local storage,CVR,NVR,ANR

Web Browser	Chrome V61 to Chrome V89, IE9 to IE11, Chrome V61+, IE9 to IE11, Firefox V41+, Edge, IE9 to IE11
Image	
Image Settings	Saturation, Brightness, Contrast, Sharpness, Gain, White balance, AGC, Adjustable by client software or web browser., Rotate mode
Day/Night Switch	Schedule, Manual, Auto
Wide Dynamic Range (WDR)	140 dB
Image Enhancement	3D DNR
Interface	
Ethernet Interface	1 RJ45 10/100/1000 M self-adaptive Ethernet port(s)
On-Board Storage	Built-in memory card slot, supporting microSD/SDHC/SDXC card, up to 512 GB
Audio	1 line in and 1 line out
Alarm	1 input T port, 1 output F port, 2 relay port
RS-485	1 RS-485
Wiegand	1 Wiegand (CardID 26bit, SHA-1 26bit, Hik 34bit)
Event	
Basic Event	Network disconnected, IP address conflict, HDD error
Road Traffic and Vehicle Detection	
Smart Function	Container No. Recognition and ISO No. Recognition
General	
Operating System	Linux
Power	DC 12 V to 24 V, 1.25 A, max. 15 W, two-core terminal block, PoE: 802.3at, Type 2, Class 4, max. 15 W
Material	Aluminum alloy
Dimension	428.5 mm × 120 mm × 138 mm (16.9" × 4.72" × 5.2") (L × W × H)
Package Dimension	452 mm × 398 mm × 198 mm (17.8" × 15.67" × 7.8") (L × W × H)
Weight	Approx. 3 kg (6.61 lb.)
With Package Weight	Approx. 5.19 kg (11.44 lb.)
Operating Condition	-30 °C to 70 °C (-22 °F to 158 °F). Humidity 95% or less (non-condensing)
Storage Condition	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (Non-condensing)
General Function	One-key reset, Three streams, Password protection, Heartbeat
Approval	
EMC	CE-EMC: EN 55032: 2015/A11:2020+A1:2020, EN IEC61000-3-2: 2019/A1:2021, EN 61000-3-3: 2013+A1:2019/A2:2021, EN 50130-4: 2011 +A1: 2014
Safety	CB: IEC 62368-1: 2018+A11, CE-LVD: EN 62368-1: 2014/A11: 2017, CB: IEC 62368-1: 2014+A11
Environment	WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006, CE-RoHS: 2011/65/EU
Protection	IP67: IEC 60529-2013, IK10: IEC 62262:2002
Anti-Corrosion Protection	NEMA 4X (NEMA 250-2018)

▪ Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has MODERATE PROTECTION.

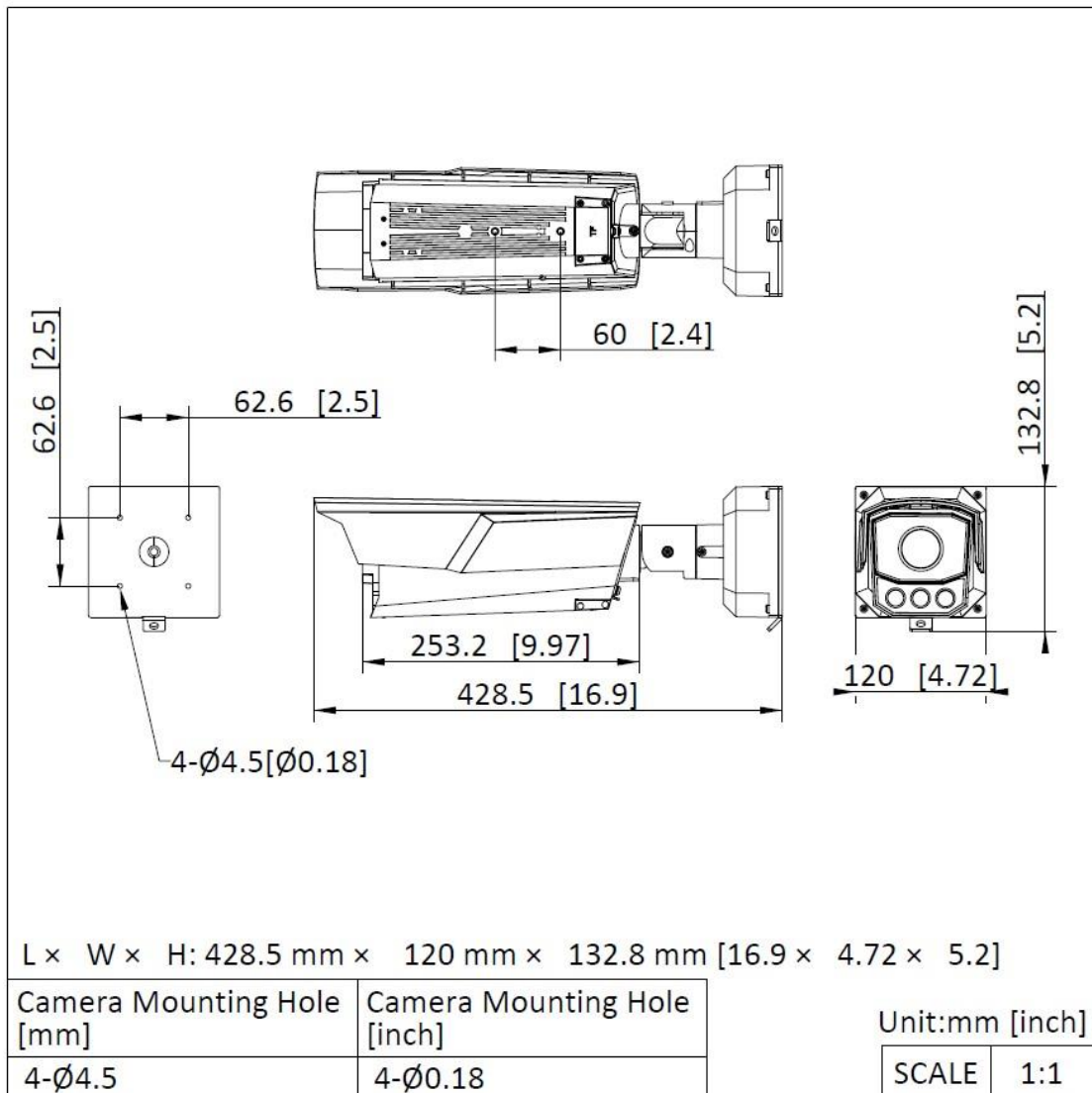
Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios includ
No specific protection	Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.

▪ **Available Model**

iDS-TCW403-BI/GK/0411

iDS-TCW403-BI(G)/GK/Y/POE/2812

▪ **Dimension**



▪ **Accessory**

▪ **Included**



▪ **Optional**

DS-1275ZJ-BJH/127mm Hoop & Bracket	DS-1701ZJ/BJH Hoop & Bracket	DS-1275ZJ-BJH/600mm Hoop & Bracket	DS-1278ZJ-BJH Hoop & Bracket
			

**Anti-corrosion bracket*

Headquarters

No.555 Qianmo Road, Binjiang District,
 Hangzhou 310051, China
 T +86-571-8807-5998
 www.hikvision.com



Follow us on social media to get the latest product and solution information.



Hikvision



HikvisionHQ



HikvisionHQ



Hikvision_Global



Hikvision
Corporate Channel



hikvisionhq