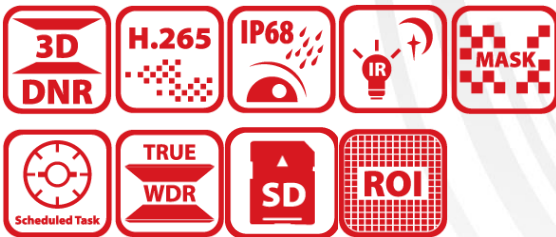


## DS-2DB4236I-CWX(T5/316L) EXIR 36 × Bullet Explosion-proof Network Camera



### 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

- 1/1.8" progressive scan CMOS
- Up to 1920 × 1080 @ 30 fps resolution
- Min. illumination: Color: 0.0005 Lux @(F1.2, AGC ON), B/W: 0.0001 Lux @(F1.2, AGC ON), 0 Lux with IR
- 36 × optical zoom, 12 × digital zoom
- 120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus
- Up to 200 m IR distance
- Support H.265+/H.265 video compression



## ▪ DORI

The DORI (detect, observe, recognize, identify) distance gives the general idea of the camera ability to distinguish persons or objects within its field of view. It is calculated based on the camera sensor specification and the criteria given by EN 62676-4: 2015.

DORI	Detect	Observe	Recognize	Identify
Definition	25 px/m	63 px/m	125 px/m	250 px/m
Distance (Tele)	1862 m (6107.36 ft)	739 m(2433.92 ft)	372 m (1220.16 ft)	186 m (610.08 ft)

## ▪ Specification

Camera	
Image Sensor	1/1.8" progressive scan CMOS
Max. Resolution	1920 × 1080
Min. Illumination	color: 0.0005 Lux @ (F1.2 , AGC ON) B/W: 0.0001 Lux @ (F1.2, AGC ON) ,0 Lux with IR
Shutter Speed	1/1 s to 1/30000 s
Day & Night	ICR
Zoom	36 × optical, 12 × digital
Slow Shutter	yes
Lens	
Focal Length	6.0 to 216 mm, 36 × optical
FOV	Horizontal field of view: 59° to 1.98° (wide-tele) Vertical field of view: 34.16° to 1.12° (wide-tele) Diagonal field of view: 67.1° to 2.3° (wide-tele)
Focus	Auto/Semi-automatic/Manual
Aperture	F1.2
Zoom Speed	approx. 4.6 s
Illuminator	
Supplement Light Type	IR
Supplement Light Range	200 m
Smart Supplement Light	yes
IR Wavelength	850 nm
PTZ	
Park Action	yes
Scheduled Task	Preset
Power-off Memory	yes
Video	
Main Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288) 60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)

Video Compression	Main Stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third Stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 16384 Kbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
Scalable Video Coding (SVC)	Support
Region of Interest (ROI)	8 fixed regions for each stream
<b>Audio</b>	
Audio Compression	G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2,PCM
Audio Bit Rate	64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32-192 Kbps (MP2L2)
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/48 kHz
Environment Noise Filtering	yes
<b>Network</b>	
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour
Simultaneous Live View	Up to 20 channels
API	Open Network Video Interface (Version 19.12, Profile S, Profile G, Profile T), ISAPI, SDK, ISUP
Smooth Streaming	yes
User/Host	Up to 32 users, 3 user levels: administrator, operator, and user
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.2, TLS 1.3, host authentication (MAC address)
Network Storage	NAS (NFS, SMB/CIFS), auto network replenishment (ANR)
Client	iVMS-4200, HikCentral Pro, Hik-Connect
Web Browser	IE11, Chrome 57+, Firefox 52+, Safari 11+
<b>Image</b>	
Image Parameters Switch	Yes
Image Settings	Saturation, brightness, contrast, sharpness, gain, and white balance adjustable by client software or web browser
Day/Night Switch	auto
Wide Dynamic Range (WDR)	120 dB WDR
SNR	≥52dB
Defog	Optical defog
Image Enhancement	HLC/BLC/3D DNR/Defog/EIS/Regional Exposure/Regional Focus
Privacy Mask	24 programmable polygon privacy masks, mask color or mosaic configurable
<b>Interface</b>	
Ethernet Interface	1 RJ45 10 M/100 M Ethernet
On-board Storage	support microSD/microSDHC/microSDXC cards, up to 256 GB
Audio	1 audio input, 2.0 to 2.4Vp-p, 1k Ohm±10% 1 audio output, line level, impedance: 600 Ω
Alarm	1-ch alarm input and 1-ch alarm output
RS-485	1 RS-485 (Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)

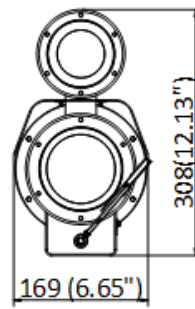
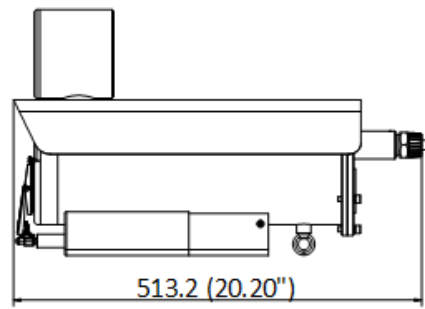
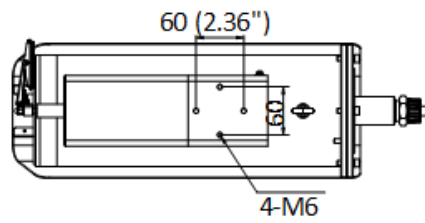
Event	
Basic Event	Motion detection, video tampering alarm, exception, alarm input and output
Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection
Alarm Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording
Deep Learning Function	
Face Capture	<ol style="list-style-type: none"> <li>1. Detects up to 10 faces simultaneously</li> <li>2. Uploads face with background and closed-up face pictures</li> <li>3. Support detecting, tracking, capturing, grading, selecting of face in motion, and output the best face picture of the face</li> </ol>
General	
Power	100 VAC to 240 VAC & PoE+ (IEEE802.3at class4) Max. 25 W
Dimension	513.2 × 169 × 308 mm (20.2" × 6.65" × 12.13")
Weight	19.8 kg (43.66 lb.)
Material	SUS316L with anti-corrosion surface spray treatment
Operating Condition	-40°C to 60°C (-40°F to 140°F) , Working Humidity ≤ 90%
General Function	Anti-flicker, heartbeat, mirror, flash log, password reset via e-mail, pixel counter, password protection, one-key reset, three streams
Wiper	yes
Approval	
EMC	FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3:2013+A1:2019, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC (ICES-003: Issue 7); KC (KN 32: 2015, KN 35: 2015)
Safety	UL (UL 62368-1); CB (IEC 62368-1:2014+A11); CE-LVD (EN 62368-1:2014/A11:2017); BIS (IS 13252(Part 1):2010/ IEC 60950-1 : 2005)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP68, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Explosion-Proof Protection	Ex-mark: ATEX: Ex II 2GD Ex db IIC T6 Gb /Ex tb IIIC T80°C Db; IECEx: Ex db IIC T6 Gb /Ex tb IIIC T80°C Db

### ▪ Available Model

DS-2DB4236I-CWX(T5/316L)

*\*You are recommended to purchase memory card together with the product if needed. After ordering, the memory card will be installed to product during manufacturing.*

▪ **Dimension**



Unit: mm (inch)

▪ **Accessory**

▪ **Optional**

DS-2780ZJ-X/316L(OS)	DS-1707ZJ-Y-AC(OS)	DS-1677ZJ-XS-1.0(D)
		

Distributed by

**HIKVISION®****Headquarters**

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

**Hikvision USA**  
T +1-909-895-0400  
sales.usa@hikvision.com

**Hikvision Australia**  
T +61-2-8599-4233  
salesau@hikvision.com

**Hikvision India**  
T +91-22-28469900  
sales@pramahikvision.com

**Hikvision Canada**  
T +1-866-200-6690  
sales.canada@hikvision.com

**Hikvision Thailand**  
T +662-275-9949  
sales.thailand@hikvision.com

**Hikvision Europe**  
T +31-23-5542770  
sales.eu@hikvision.com

**Hikvision Italy**  
T +39-0438-6902  
info.it@hikvision.com

**Hikvision Brazil**  
T +55 11 3318-0050  
Latam.support@hikvision.com

**Hikvision Turkey**  
T +90 (216)521 7070- 7074  
sales.tr@hikvision.com

**Hikvision Malaysia**  
T +601-7652-2413  
sales.my@hikvision.com

**Hikvision UK & Ireland**  
T +01628-902140  
sales.uk@hikvision.com

**Hikvision South Africa**  
Tel: +27 (10) 0351172  
sale.africa@hikvision.com

**Hikvision France**  
T +33(0)1-85-330-450  
info.fr@hikvision.com

**Hikvision Kazakhstan**  
T +7-727-9730667  
nikia.panfilov@hikvision.ru

**Hikvision Vietnam**  
T +84-974270888  
sales.vt@hikvision.com

**Hikvision UAE**  
T +971-4-4432090  
salesme@hikvision.com

**Hikvision Singapore**  
T +65-6684-4718  
sg@hikvision.com

**Hikvision Spain**  
T +34-91-737-16-55  
info.es@hikvision.com

**Hikvision Tashkent**  
T +99-87-1238-9438  
uzb@hikvision.ru

**Hikvision Hong Kong**  
T +852-2151-1761  
info.hk@hikvision.com

**Hikvision Russia**  
T +7-495-669-67-99  
saleru@hikvision.com

**Hikvision Korea**  
T +82-(0)31-731-8817  
sales.korea@hikvision.com

**Hikvision Poland**  
T +48-22-460-01-50  
info.pl@hikvision.com

**Hikvision Indonesia**  
T +62-21-2933759  
Sales.Indonesia@hikvision.com

**Hikvision Colombia**  
sales.colombia@hikvision.com