

## OBSAH - ZOZNAM DOKLADOV A DOKUMENTOV

### **„Modernizácia, rozširovanie a poskytovanie servisných služieb mestského kamerového systému hlavného mesta SR Bratislavy“**

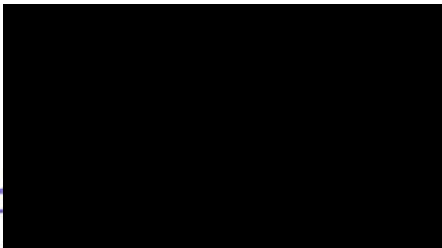
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Ponuka uchádzača DELTECH, a.s. obsahuje položky:

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V Bratislave, dňa 08.06.2021

-22-



**Ing. Štefan Šintaj**  
podpredsa predstavenstva a  
obchodný riaditeľ

## Titulný list ponuky

Predmet zákazky:

**„Modernizácia, rozširovanie a poskytovanie servisných služieb mestského kamerového systému hlavného mesta SR Bratislavy“**

(Vestník VO č. 119/2021, dňa 17.05.2021, Oznámenie 27174-MST)

Predkladá uchádzač:

Uchádzač:

Názov spoločnosti:	<b>DELTECH, a.s.</b>
Sídlo spoločnosti:	Priemyselná 1, 031 01 Liptovský Mikuláš
IČO:	30 225 582
DIČ:	202 042 7959
IČ DPH:	SK 202 042 7959
Bankové spojenie:	Všeobecná úverová banka, a.s.
IBAN:	SK14 0200 0000 0028 4898 4755
BIC:	SUBASKBX
Štatutárny orgán:	Ing. Pavel Vrbičan, predseda predstavenstva a generálny riaditeľ Ing. Štefan Šintaj, podpredseda predstavenstva a obchodný riaditeľ v Obchodnom registri Okresného súdu Žilina, oddiel: Sa, vložka č.: 10415/L
Zapísaná:	
Kontaktná osoba:	Ing. Richard Szabó, riaditeľ prevádzky Bratislava
Mob. kontakt:	
e-mail:	

V Bratislave, dňa 08.06.2021

-22-

**Ing. Štefan Šintaj**  
podpredseda predstavenstva a  
obchodný riaditeľ

### DELTECH, a.s.

**Sídlo spoločnosti:**

Priemyselná 1  
031 01 Liptovský Mikuláš  
Tel.: +421 44 551 4722  
Servis: +421 903 358 324

[www.deltech.sk](http://www.deltech.sk)

**Prevádzky:**

Miletičova 23, 821 09 Bratislava  
Hviezdoslavova 34, 960 01 Zvolen  
Budovateľská 59, 080 01 Prešov  
M. Rázusa č. 13A, 010 01 Žilina

[deltech@deltech.sk](mailto:deltech@deltech.sk)

**Údaje o spoločnosti:**

IČO: 30 225 582, IČ DPH/DIČ: SK2020427959  
Bankové spojenie: VÚB, a.s.  
IBAN: SK14 0200 0000 0028 4898 4755, BIC: SUBASKBX  
Obchodný register OS Žilina, Oddiel: Sa, VI. č. 10415/L

ISO 9001, ISO 14001, ISO 27001

Obchodné meno uchádzača:	DELTECH, a.s.
Sídlo uchádzača:	Priemyselná 1, 031 01, Liptovský Mikuláš
Štatutárny zástupca:	Ing. Pavel Vrbičan - predseda predstavenstva Ing. Štefan Šintaj - podpredseda predstavenstva
IČO:	30225582
IČ DPH:	SK2020427959
Tel. číslo:	
Email:	

Návrh na plnenie kritéria

	Cena celkom za predmet zákazky v EUR bez DPH	Výška DPH	Cena celkom za predmet zákazky v EUR s DPH
návrh uchádzača	352 996,22 €	20%	423 595,46 €

Som platiteľom DPH
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V Bratislave, dňa 17.06.2021	Ing. Pavel Vrbičan
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VÝKAZ KAMERY

Cenová tabuľka č. 1

P.č.	Názov	predpokladané množstvo	merná jednotka	jednotková cena bez DPH	DPH	Cena s DPH
1	Demontáž kamery	10	ks	13,42 €	134,20 €	26,84 €
2	Montáž a programovanie novej kamery s pripojením na server	50	ks	169,75 €	8 487,73 €	1 697,55 €
3	inštalácia OR (plastová krabica s panelom do outdoor skrine)	50	ks	15,89 €	794,50 €	158,90 €
4	Zváranie v OR outdoor	30	ks	23,88 €	716,40 €	143,28 €
5	inštalácia optického prevodníku	30	ks	26,40 €	792,00 €	158,40 €
6	Zatiahnutie optického kábla	3000	m	1,70 €	5 100,00 €	1 020,00 €
7	inštalácia - kruhový vodič 8 Fezn	1000	m	2,74 €	2 740,00 €	548,00 €
8	inštalácia rozvodnice	30	ks	15,89 €	476,70 €	95,34 €
9	inštalácia transformátora pre kameru	30	ks	8,45 €	253,50 €	50,70 €
10	inštalácia Poč napájania s výstupom na optiku	30	ks	26,40 €	792,00 €	158,40 €
11	Zatiahnutie elektrického kábla	1000	m	2,94 €	2 940,00 €	588,00 €
12	Krimpovanie konektorov RJ45	30	ks	4,19 €	125,70 €	25,14 €
13	Zatiahnutie štruktúrovaného kábla	1000	m	1,10 €	1 100,00 €	220,00 €
14	Elektrická inštalácia a zapojenie	30	ks	56,00 €	1 680,00 €	336,00 €
15	Pripojovacie svorky jednostranné so svorkou KS	50	ks	1,82 €	91,00 €	18,20 €
16	Statický posudok na stĺp (verejného osvetlenia, trofejového vedenia)	50	ks	216,00 €	10 800,00 €	2 160,00 €
17	Východzia odborná skúška	30	ks	115,00 €	3 450,00 €	690,00 €
18	Projektová dokumentácia + inžinierska činnosť	30	ks	120,00 €	3 600,00 €	720,00 €
19	Ostatné poskytnuté práce pre inštaláciu kamery (paušál)	30	ks	14,00 €	420,00 €	84,00 €
20	Krížovanie trofejového vedenia (spolupráca s DPB a.s. Vypnutie TV, práca v noci, prenájom izolovanej plošiny s osádkou)	5	h	203,00 €	1 015,00 €	203,00 €
21	Geodetické zameranie	30	súbor	144,00 €	4 320,00 €	864,00 €
Tabuľka č. 1 spolu				49 828,73 €	9 965,75 €	59 794,48 €

Cenová tabuľka č. 2

P.č.	Názov	množstvo	merná jednotka	jednotková cena bez DPH	DPH	Cena s DPH
1	2.1.1 IP PTZ kamera typ 1	10	ks	2 245,33 €	22 453,33 €	4 490,67 €
2	2.1.2 IP PTZ kamera typ 2	10	ks	678,00 €	6 780,00 €	1 356,00 €
3	2.1.3 IP PTZ kamera typ 3	5	ks	1 538,67 €	7 693,33 €	1 538,67 €
						9 232,00 €



19	Adaptér SC/PC DUPLEX, pre OR	30	ks	1,48 €	44,27 €	8,85 €	53,12 €
20	Pigtail SC, SM, 1,5m SCPC901.5	30	ks	2,05 €	61,38 €	12,28 €	73,66 €
21	Optický modul LC konektorom pre single-mode komunikáciu o prenosovej rýchlosti 100 Mbps. Dosiahnutá vzdialenosť je 20 km	30	ks	9,08 €	272,36 €	54,47 €	326,83 €
22	Optický modul LC konektorom pre single-mode komunikáciu o prenosovej rýchlosti 100 Mbps. Dosiahnutá vzdialenosť je 20 km	30	ks	10,01 €	300,36 €	60,07 €	360,43 €
23	Optický modul LC konektorom pre single-mode komunikáciu o prenosovej rýchlosti 1000 Mbps. Dosiahnutá vzdialenosť je 20 km	20	ks	9,75 €	195,07 €	39,01 €	234,08 €
24	Optický modul LC konektorom pre single-mode komunikáciu o prenosovej rýchlosti 1000 Mbps. Dosiahnutá vzdialenosť je 20 km	20	ks	12,81 €	256,27 €	51,25 €	307,52 €
25	Transformátor 230 VAC/24VAC	30	ks	44,63 €	1 338,80 €	267,76 €	1 606,56 €
26	PoE zdroj s výstupom na optiku SM	30	ks	31,13 €	934,00 €	186,80 €	1 120,80 €
27	nemenežovateľný 4portový PoE switch, 4x 10/100 Mbps Base-T + 2x 100 Mbps uplink, celkovo na všetky porty max. 60 W, ochrana pred prepätím 2 kv	10	ks	36,00 €	360,00 €	72,00 €	432,00 €
28	switch 3x 10/100 Mbps + 1x Gbit + 2x SFP Gbit, podpora PoE pre 4 porty, 4x PoE (IEEE802.3af/at), port 1-3 max. 30 W, port 4 max. 60 W, celkovo na všetky porty max. 120 W	5	ks	114,40 €	572,00 €	114,40 €	686,40 €
29	Prepätová ochrana	65	ks	61,30 €	3 984,50 €	796,90 €	4 781,40 €
30	Elektrický kábel CYKY 3x2,5	100	m	1,09 €	108,71 €	21,74 €	130,45 €
31	Elektrický kábel CMSM 31x1,5	100	m	0,82 €	81,88 €	16,38 €	98,26 €
32	Istič 6A char.B	30	ks	4,41 €	132,24 €	26,45 €	158,68 €
33	FTP cat5e indoor	50	m	0,39 €	19,60 €	3,92 €	23,52 €
34	FTP cat5e outdoor	100	m	0,39 €	39,47 €	7,89 €	47,36 €
35	Konektor RJ45	50	ks	4,94 €	247,00 €	49,40 €	296,40 €
36	Optický kábel , 24vl SM, zaťukovací	500	m	0,74 €	370,00 €	74,00 €	444,00 €
37	Optický kábel , 16vl SM, zaťukovací	500	m	0,74 €	370,00 €	74,00 €	444,00 €
38	Optický kábel závesný 24 vl SM samonosný	1000	m	1,27 €	1 274,67 €	254,93 €	1 529,60 €
39	Optický kábel závesný 16 vl SM samonosný	1000	m	1,27 €	1 274,67 €	254,93 €	1 529,60 €
40	Trubka ohybná PSM-E-MF	250	m	0,42 €	104,20 €	20,84 €	125,04 €
41	Trubka pancierová Ø 32	250	m	7,84 €	1 960,66 €	392,13 €	2 352,79 €
42	Držiak káblovej rezervy na stožiar	100	ks	32,93 €	3 293,33 €	658,67 €	3 952,00 €
43	Závesný hák samonosného kábla na stĺp	30	ks	16,00 €	480,00 €	96,00 €	576,00 €
44	Závesný hák samonosného kábla na budovu	30	ks	16,00 €	480,00 €	96,00 €	576,00 €
45	Podpera vedenia na ploché strechy dvojbodová - PV 21 beton/plast - 1,0kg	100	ks	1,08 €	108,21 €	21,64 €	129,86 €
46	Kruhový vodič 8 FeZn	1000	m	1,91 €	1 911,75 €	382,35 €	2 294,10 €
47	Pripojovacie svorky jednostranné so svorkou KS	50	ks	0,46 €	23,21 €	4,64 €	27,86 €
48	Trubka priem 20 UV stabilná	100	m	2,37 €	236,87 €	47,37 €	284,24 €
49	príchytka na stenu pre trubku UV stabilnú	100	ks	0,11 €	10,67 €	2,13 €	12,80 €
50	príchytka na stĺp pre trubku UV stabilnú	100	ks	1,73 €	173,49 €	34,70 €	208,19 €
Tabuľka č. 2 spolu					123 540,76 €	24 708,15 €	148 248,91 €

VÝKAZ VDG SENSE

Cenová tabuľka č. 3

PRÁCE						
P.č.	Názov	predpokladané množstvo	merná jednotka	jednotková cena bez DPH	cena bez DPH	DPH
1.	Konfigurácia Sense servera	1	ks	850,00 €	850,00 €	170,00 €
2.	Konfigurácia Sense pracovnej stanice	10	ks	700,00 €	7 000,00 €	1 400,00 €
3.	Ostatné práce	100	h	70,00 €	7 000,00 €	1 400,00 €
Tabuľka č. 3 spolu				14 850,00 €	2 970,00 €	17 820,00 €

Cenová tabuľka č. 4

VDG SENSE Hardware						
P.č.	Názov	predpokladané množstvo	merná jednotka	jednotková cena bez DPH	cena bez DPH	DPH
1.	Server - VDG Video server					
1.1	NVH-2608XR Video server 19", xeon, 2U, SSD, 8-port, HS RAID, RPSU (min. konfigurácii)	1	ks	4 202,50 €	4 202,50 €	840,50 €
1.2	NVH-2608XRD Video server 19", dual xeon, 2U, SSD, 8-port, HS RAID, RPSU	1	ks	7 335,00 €	7 335,00 €	1 467,00 €
1.5	Extra 100/1000Mbps LAN interface	4	ks	66,00 €	264,00 €	52,80 €
1.7	Pro video server storage 8TB Pevný disk 3,5", 256 MB cache, 7200 ot., interface SATA 6 GB/s/interface transfer rate 600 MB/s, prevádzka 24/7	16	ks	555,00 €	8 880,00 €	1 776,00 €
1.8	Pro video server storage 10TB Pevný disk 3,5", 256 MB cache, 7200 ot., interface SATA 6 GB/s/interface transfer rate 600 MB/s, prevádzka 24/7	16	ks	699,00 €	11 184,00 €	2 236,80 €
1.9	Pro video server storage 12TB Pevný disk 3,5", 256 MB cache, 7200 ot., interface SATA 6 GB/s/interface transfer rate 600 MB/s, prevádzka 24/7	8	ks	770,00 €	6 160,00 €	1 232,00 €
2.	Pracovná stanica - VDG Video client					
2.1	NVH-1001 Compact, i5, SSD, 1TB HDD (min. v konfigurácii)	2	ks	1 595,00 €	3 190,00 €	638,00 €
2.2	NVH-1101 Video client, i7, SSD (desktop/tower)	8	ks	1 899,00 €	15 192,00 €	3 038,40 €
2.5	NVH-QUAD Quad mini display port/DVI-D output	8	ks	545,00 €	4 360,00 €	872,00 €
3	Monitor 1 27" Full HD LED, 1920x1080, 24/7,VGA,DVI,HDMI,DP + kabel pre pripojenie k PC (min. 2 m)	16	ks	254,67 €	4 074,67 €	814,93 €
4	Monitor 2 55" Full HD LED, 1920x1080, 24/7,VGA,DVI,HDMI, kabel pre pripojenie k PC (min. 2 m)	6	ks	1 253,33 €	7 520,00 €	1 504,00 €
4	Monitor 3 60" Full HD LED, 1920x1080, 24/7,VGA,DVI,HDMI,DP kabel pre pripojenie k PC (min. 2 m)	6	ks	2 933,33 €	17 600,00 €	3 520,00 €
Tabuľka č. 4 spolu				89 962,17 €	17 992,43 €	107 954,60 €

PRÁCE

P.č.	Názov	predpokladané množstvo	merná jednotka	jednotková cena bez DPH	cena bez DPH	DPH	Spolu s DPH
1.	Cena za 1 hod. operatívneho servisu od 7:00 do 15:00	200	h	95,00 €	19 000,00 €	3 800,00 €	22 800,00 €
2.	Cena za 1 hod. operatívneho servisu od 15:00 do 7:00 a v sobotu	30	h	133,00 €	3 990,00 €	798,00 €	4 788,00 €
3.	Cena za 1 hod. operatívneho servisu vo sviatok a v nedeľu	30	h	190,00 €	5 700,00 €	1 140,00 €	6 840,00 €
4.	Servisná kontrola	100	kamera	118,00 €	11 800,00 €	2 360,00 €	14 160,00 €
5.	Odborná prehliadka a odborná skúška	50	kamera	115,00 €	5 750,00 €	1 150,00 €	6 900,00 €
6.	Prenájom montážnej plošiny výška do 12m	130	h	62,00 €	8 060,00 €	1 612,00 €	9 672,00 €
7.	Prenájom montážnej plošiny výška nad 12m	130	h	62,00 €	8 060,00 €	1 612,00 €	9 672,00 €
Tabuľka č. 5 spolu					62 360,00 €	12 472,00 €	74 832,00 €



PRÁCE						
P.č.	Názov	množstvo	merať jednotka	jednotková cena bez DPH	DPH	Spolu s DPH
1.	Pevná IP kamera s konzolou	10	ks	148,20 €	1 482,00 €	1 778,40 €
2.	NVR Systém	8	ks	375,65 €	3 005,23 €	3 606,27 €
3.	POE switch	10	ks	35,13 €	351,33 €	421,60 €
4.	Monitor k NVR	8	ks	246,67 €	1 973,33 €	2 368,00 €
5.	Kábel FTP	500	m	0,53 €	264,00 €	316,80 €
6.	Lišta na povrchové vedenie kabeľáže 15x10mm	500	m	0,56 €	280,00 €	336,00 €
7.	iný inštalčný materiál	8	súbor	53,33 €	426,67 €	512,00 €
8.	Práca (inštalácia, oživenie systému)	64	h	48,00 €	3 072,00 €	3 686,40 €
9.	Dokumentácia, zaškolenie obsluhy	8	případ	200,00 €	1 600,00 €	1 920,00 €
Tabuľka č. 6 spolu				12 454,56 €	2 490,91 €	14 945,47 €

## iDS-2CD7A26G0/P-IZHS(Y) 2 MP ANPR IR Varifocal Bullet Network Camera

**DarkFighter**



### ▪ DeepinView<sup>series</sup>

- High quality imaging with 2 MP resolution
- Excellent low-light performance via DarkFighter technology
- Clear imaging against strong back light due to 140 dB WDR technology
- License Plate Recognition
- Efficient H.265+ compression technology to save bandwidth and storage
- Advanced streaming technology that enables smooth live view and data self-correcting in poor network
- 5 streams and up to 5 custom streams to meet a wide variety of applications
- Water and dust resistant (IP67) and vandal proof (IK10)



## ▪ Function

### Road Traffic and Vehicle Detection

With embedded deep learning based license plate capture and recognition algorithms, the camera alone can achieve plate capture and recognition. The algorithm enjoys the high recognition accuracy of common plates and complex-structured plates, which is a great step forward comparing to traditional algorithms. Blocklist and allowlist are available for plate categorization and separate alarm triggering.

### Smooth Streaming

Smooth streaming offers solutions to improve the video quality in different network conditions. For example, in poor network conditions, adapting to the detected real-time network condition, streaming bit rate and resolution are automatically adjusted to avoid mosaic and lower latency in live view; in multiplayer network conditions, the camera transmits the redundant data for the self-error correcting in back-end device, so that to solve the mosaic problem because of the packet loss and error rate.

## ▪ Specification

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	1920 × 1080
Min. Illumination	Color: 0.001 Lux @ (F1.2, AGC ON); B/W: 0.0003 Lux @ (F1.2, AGC ON)
Shutter Speed	1 s to 1/100,000 s
Slow Shutter	Yes
P/N	P/N
Day & Night	IR cut filter Blue glass module to reduce ghost phenomenon.
Power-off Memory	Yes
Lens	
Iris Type	P-iris
Focus	Auto, semi-auto, manual
Focal Length & FOV	2.8 to 12 mm, horizontal FOV: 107.3° to 39.8°, vertical FOV: 55.9° to 22.3°, diagonal FOV: 130.1° to 45.7° 8 to 32 mm, horizontal FOV: 40.3° to 14.4°, vertical FOV: 22.1° to 8.2° diagonal FOV: 46.9° to 16.5°
Aperture	2.8 to 12 mm: F1.2 to 2.5 8 to 32 mm: F1.7 to F1.73
Lens Mount	Integrated
Illuminator	
Supplement Light Type	IR
Supplement Light Range	2.8 to 12 mm: 50 m 8 to 32 mm: 100 m
IR Wavelength	850 nm
Smart Supplement Light	Yes
Video	
Main Stream	50 Hz: 50 fps (1920 × 1080, 1280 × 720) 60 Hz: 60 fps (1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480)
Third Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
Fourth Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
Fifth Stream	50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480)
Custom Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
Video Compression	Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream/Third stream/Fourth stream/Fifth stream/custom 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
Bit Rate Control	CBR/VBR
Stream Type	Main stream/sub-stream/third stream/fourth stream/fifth stream/custom stream
Scalable Video Coding (SVC)	H.265 and H.264 support
Region of Interest (ROI)	4 fixed regions for each stream
<b>Audio</b>	
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3
Audio Bit Rate	64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/32 Kbps (PCM)/8 to 320 Kbps (MP3)
Audio Type	Mono sound
<b>Network</b>	
Simultaneous Live View	Up to 20 channels
API	Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, ISUP
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, SRTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS
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, WSSE and digest authentication for ONVIF, RTP/RTSP OVER HTTPS, Control Timeout Settings, Security Audit Log, TLS 1.2
Network Storage	microSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR) Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+
<b>Image</b>	
Day/Night Switch	Day, Night, Auto, Schedule, Alarm Trigger, Video Triggered
Target Cropping	Yes
Distortion Correction	Yes
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24bit bmp format
Image Enhancement	BLC, HLC, 3D DNR, Defog, EIS, Distortion Correction
Image Parameters Switch	Yes
Image Settings	Saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser
SNR	≥ 52 dB
<b>Interface</b>	
Alarm	2 input, 2 outputs (max. 24 VDC, 1 A)

Audio	With -Y: 1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 vpp, input impedance: 4.7 K $\Omega$ , interface type: non-equilibrium; 1 output (line out), 3.5 mm connector, max. output amplitude: 3.3 vpp, output impedance: 100 $\Omega$ , interface type: non-equilibrium, mono sound
RS-485	With -Y: 1 RS-485 (half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)
Video Output	1 Vp-p Composite Output (75 $\Omega$ /CVBS) (Only for debugging)
On-Board Storage	Built-in memory card slot, support microSD/SDHC/SDXC slot, up to 256 GB
Hardware Reset	Yes
Ethernet Interface	1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port
Power Output	With -Y: 12 VDC, max. 100 mA (supported by all power supply types)
Heater	Yes
Wiegand	With -Y: 1 wiegand (CardID 26bit, SHA-1 26bit, Hik 34bit)
<b>Event</b>	
Basic Event	Motion detection, video tampering alarm, vibration detection, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, trigger capture Trigger recording: memory card, network storage, pre-record and post-record Trigger captured pictures uploading: FTP, SFTP, HTTP, NAS, send email Trigger notification: HTTP, ISAPI, alarm output, Email
Smart Event	Line crossing detection, up to 4 lines configurable Intrusion detection, up to 4 regions configurable Region entrance detection, up to 4 regions configurable Region exiting detection, up to 4 regions configurable Unattended baggage detection, up to 4 regions configurable Object removal detection, up to 4 regions configurable Scene change detection, audio exception detection, defocus detection
Counting	Yes
<b>Deep Learning Function</b>	
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle) Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc.
Road Traffic and Vehicle Detection	Blocklist and allowlist: up to 10,000 records Captures vehicle that has no license plate Support license plate recognition of motorcycles (only in checkpoint scenario) Support vehicle attribute detection, including vehicle type, color, brand, etc. (City Street mode is recommended.)
<b>General</b>	
Power	12 VDC $\pm$ 20%, three-core terminal block, reverse polarity protection, 1.33 A, max. 16.0 W PoE: 802.3at, 42.5 V to 57 V, Type 2 Class 4, 0.43 A to 0.31 A, max. 18.0 W

Language	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
Online Upgrade	Yes
Dual Backup	Yes
General Function	Anti-flicker, 5 streams and up to 5 custom streams, EPTZ, heartbeat, mirror, privacy masks, flash log, password reset via e-mail, pixel counter
Storage Conditions	-40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing)
Camera Dimension	Without -Y: Ø144 × 347 mm (Ø5.7" × 13.7") With -Y: Ø140 × 351 mm (Ø5.5" × 13.8")
Package Dimension	405 × 190 × 180 mm (15.9" × 7.5" × 7.1")
Camera Weight	Approx. 1920 g (4.2 lb.)
With Package Weight	Approx. 3060 g (6.7 lb.)
<b>Metadata</b>	
Metadata	Metadata of intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal are supported.
<b>Approval</b>	
Class	Class B
EMC	FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2:2019, EEN 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); LOA (IEC/EN 60950-1)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IK10 (IEC 62262:2002), IP67 (IEC 60529-2013)
Anti-Corrosion Protection	With -Y: NEMA 4X(NEMA 250-2018)
Other	With -Y: PVC FREE

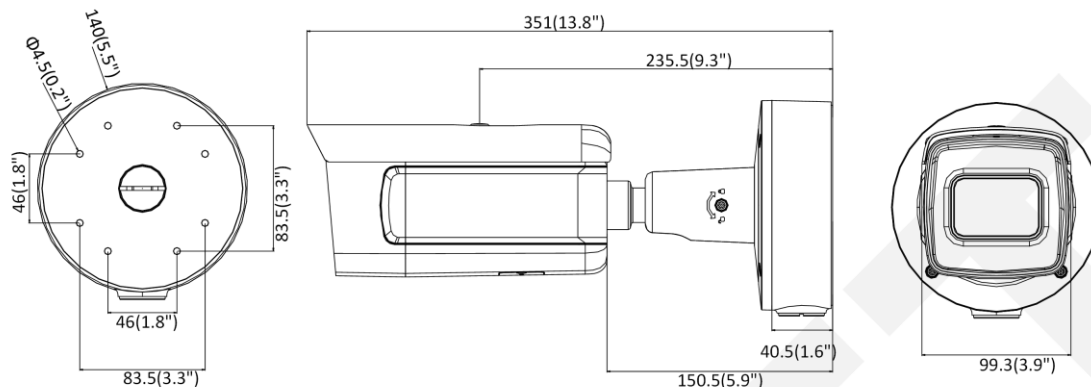
## ▪ Available Model

iDS-2CD7A26G0/P-IZHSY (2.8 to 12 mm, 8 to 32 mm)

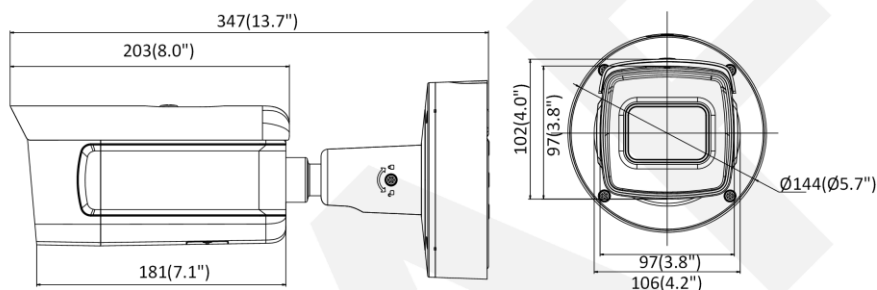
iDS-2CD7A26G0/P-IZHS (2.8 to 12 mm, 8 to 32 mm)

## Dimension

-Y model:







Without -Y model:



Unit: mm(inch)

## Accessory

### Optional

DS-1476ZJ-SUS Corner Mount	DS-1476ZJ-Y Corner Mount	DS-1475ZJ-Y Vertical Pole Mount	DS-1475ZJ-SUS Vertical Pole Mount
			



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**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

**DS-2CD3626G2T-IZS****AcuSense 2 MP Varifocal Bullet Network Camera**

Empowered by deep learning algorithms, Hikvision AcuSense technology brings human and vehicle targets classification alarms to front- and back-end devices. The system focuses on human and vehicle targets, vastly improving alarm efficiency and effectiveness.

- High quality imaging with 2 MP resolution
  - Excellent low-light performance with powered-by-DarkFighter technology
  - Clear imaging against strong back light due to 120 dB true WDR technology
  - Efficient H.265+ compression technology
  - False alarm reduction through human and vehicle target classification based on deep learning
  - Water and dust resistant (IP67) and vandal-resistant (IK10)
  - Audio and alarm interface available
  - 3D DNR technology delivers clean and sharp images
- Motorized varifocal lens for easy installation and monitoring



## ▪ Specification

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.002 Lux @ (F1.4, AGC ON), B/W: 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
P/N	P/N
Wide Dynamic Range	120 dB
Day & Night	IR cut filter
Power-off Memory	Yes
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Lens	
Lens Type	Varifocal lens, motor-driven lens, 2.7 to 13.5 mm and 7 to 35 mm optional
Iris Type	Auto-iris
Lens Mount	2.7 to 13.5 mm: Ø14 7 to 35 mm: Integrated
Focal Length & FOV	2.7 to 13.5 mm: horizontal FOV 113° to 34°, vertical FOV 58° to 19°, diagonal FOV 138° to 39° 7 to 35 mm: horizontal FOV 30° to 11°, vertical FOV 17° to 6°, diagonal FOV 34° to 12°
Aperture	2.7 to 13.5 mm: F1.4 7 to 35 mm: F1.6
DORI	
DORI	2.7 to 13.5 mm: D: 44 to 129 m, O: 17 to 51 m, R: 8 to 25 m, I: 4 to 13 m 7 to 35 mm: D: 137 to 400 m, O: 54 to 158 m, R: 27 to 80 m, I: 13 to 40 m
Illuminator	
Supplement Light Type	IR
IR Range	2.7 to 13.5 mm: up to 60 m 7 to 35 mm: up to 80 m
IR Wavelength	850 nm
Smart Supplement Light	Yes
Video	
Max. Resolution	1920 × 1080
Main Stream	50 Hz: up to 50 fps (1920 × 1080, 1280 × 720) 60 Hz: up to 60 fps (1920 × 1080, 1280 × 720) *High frame rate is supported under certain settings.
Sub-Stream	50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)
Third Stream	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings.
Fourth Stream	50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) *Fourth stream is supported under certain settings.

Video Compression	Main stream: H.265/H.264/H.264+/H.265+ Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264 Fourth stream: H.265/H.264/MJPEG *Third stream and fourth stream are supported under certain settings.
Video Bit Rate	32 Kbps to 8 Mbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
H.264+	Main stream supports
H.265+	Main stream supports
Bit Rate Control	CBR/VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	5 fixed regions for main stream and sub-stream
<b>Audio</b>	
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC)
<b>Network</b>	
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, ISUP
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, ARP, SNMP
User/Host	Up to 32 users. 3 user levels: administrator, operator and user
Security	Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface
Network Storage	MicroSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR) Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: IE 10+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+
<b>Image</b>	
SNR	≥ 52 dB
Day/Night Switch	Day, Night, Auto, Schedule
Target Cropping	Yes
Image Enhancement	BLC, HLC, 3D DNR
Image Parameters Switch	Yes
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser

Interface	
Alarm	2 inputs, 2 outputs (max. 24 VDC/24 VAC, 1 A)
Audio	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 K $\Omega$ , interface type: non-equilibrium; 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 $\Omega$ , interface type: non-equilibrium
On-Board Storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB
Hardware Reset	Yes
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
Power Output	12 VDC, max. 100 mA (supported by all power supply types)
Event	
Basic Event	Motion detection (human and vehicle targets classification), video tampering alarm, exception
Smart Event	Unattended baggage detection, object removal detection, scene change detection, audio exception detection
Deep Learning Function	
Face Capture	Yes
Perimeter Protection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
General	
Linkage Method	Upload to NAS/memory card/FTP, notify surveillance center, trigger recording, trigger capture, send email, audible warning
Firmware Version	V5.5.112
Web Client Language	33 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
General Function	Anti-flicker, heartbeat, mirror, privacy mask, flash log, password reset via email, pixel counter
Software Reset	Yes
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Power Supply	12 VDC $\pm$ 25% PoE: 802.3at, Class 4
Power Consumption and Current	12 VDC, 1.08 A, max. 13 W PoE (802.3at, 42.5 V to 57 V), 0.36 A to 0.27 A, max. 15 W
Power Interface	$\varnothing$ 5.5 mm coaxial power plug
Camera Material	Aluminum alloy body
Camera Dimension	$\varnothing$ 105 mm $\times$ 340.8 mm ( $\varnothing$ 4.1" $\times$ 13.4")
Package Dimension	385 mm $\times$ 190 mm $\times$ 180 mm (15.2" $\times$ 7.5" $\times$ 7.1")
Camera Weight	Approx. 1335 g (2.9 lb.)
With Package Weight	Approx. 2171 g (4.8 lb.)

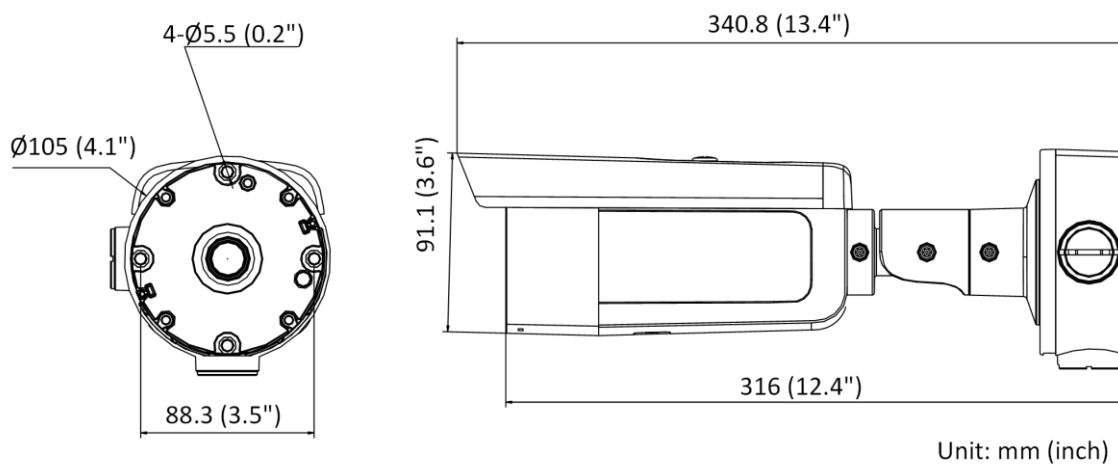
## Approval

EMC	FCC SDoC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC VoC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)
Safety	UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP67 (IEC 60529-2013), IK10 (IEC 62262:2002)

## ▪ Available Model

DS-2CD3626G2T-IZS (2.7 to 13.5 mm, 7 to 35 mm)

## ▪ Dimension



- Accessory
- Included

**DS-1260ZJ**  
Junction Box





- Optional

DS-1275ZJ-S-SUS Vertical Pole Mount	DS-1276ZJ-SUS Corner Mount	DS-1275ZJ-SUS Vertical Pole Mount
		
		

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**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



## DS-2CD3656G2T-IZS

### AcuSense 5 MP Varifocal Bullet Network Camera



Empowered by deep learning algorithms, Hikvision AcuSense technology brings human and vehicle targets classification alarms to front- and back-end devices. The system focuses on human and vehicle targets, vastly improving alarm efficiency and effectiveness.

- High quality imaging with 5 MP resolution
- Excellent low-light performance with powered-by-DarkFighter technology
- Clear imaging against strong back light due to 120 dB true WDR technology
- Efficient H.265+ compression technology
- False alarm reduction through human and vehicle target classification based on deep learning
- Audio and alarm interface available
- Water and dust resistant (IP67) and vandal-resistant (IK10)
- 3D DNR technology delivers clean and sharp images



## ▪ Specification

Camera	
Image Sensor	1/2.7" Progressive Scan CMOS
Min. Illumination	Color: 0.003 Lux @ (F1.4, AGC ON), B/W: 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
P/N	P/N
Wide Dynamic Range	120 dB
Day & Night	IR cut filter
Power-off Memory	Yes
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Lens	
Lens Type	Varifocal lens, motor-driven lens, 2.7 to 13.5 mm and 7 to 35 mm optional
Iris Type	Auto-iris
Lens Mount	2.7 to 13.5 mm: Ø14 7 to 35 mm: Integrated
Focal Length & FOV	2.7 to 13.5 mm: horizontal FOV 103° to 32°, vertical FOV 73° to 24°, diagonal FOV 142° to 40° 7 to 35 mm: horizontal FOV 28° to 10°, vertical FOV 21° to 8°, diagonal FOV 35° to 13°
Aperture	2.7 to 13.5 mm: F1.4 7 to 35 mm: F1.6
DORI	
DORI	2.7 to 13.5 mm: D: 64 to 187 m, O: 25 to 74 m, R: 12 to 37 m, I: 6 to 18 m 7 to 35 mm: D: 200 to 580 m, O: 79 to 230 m, R: 40 to 116 m, I: 20 to 58 m
Illuminator	
Supplement Light Type	IR
IR Range	2.7 to 13.5 mm: up to 60 m 7 to 35 mm: up to 80 m
IR Wavelength	850 nm
Smart Supplement Light	Yes
Video	
Max. Resolution	2592 × 1944
Main Stream	50 Hz: 25 fps (2592 × 1944, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (2592 × 1944) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)
Third Stream	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings.
Fourth Stream	50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) *Fourth stream is supported under certain settings.

Video Compression	Main stream: H.265/H.264/H.264+/H.265+ Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264 Fourth stream: H.265/H.264/MJPEG *Third stream and fourth stream are supported under certain settings.
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
H.264+	Main stream supports
H.265+	Main stream supports
Bit Rate Control	CBR/VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	5 fixed regions for main stream and sub-stream
<b>Audio</b>	
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC)
<b>Network</b>	
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, ISUP
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, ARP, SNMP
User/Host	Up to 32 users. 3 user levels: administrator, operator and user
Security	Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface
Network Storage	MicroSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR) Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: IE 10+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+
<b>Image</b>	
SNR	≥ 52 dB
Day/Night Switch	Day, Night, Auto, Schedule
Target Cropping	Yes
Image Enhancement	BLC, HLC, 3D DNR
Image Parameters Switch	Yes
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser

Interface	
Alarm	2 inputs, 2 outputs (max. 24 VDC/24 VAC, 1 A)
Audio	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 K $\Omega$ , interface type: non-equilibrium; 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 $\Omega$ , interface type: non-equilibrium
On-Board Storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB
Hardware Reset	Yes
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
Power Output	12 VDC, max. 100 mA (supported by all power supply types)
Event	
Basic Event	Motion detection (human and vehicle targets classification), video tampering alarm, exception
Smart Event	Unattended baggage detection, object removal detection, scene change detection, audio exception detection
Deep Learning Function	
Face Capture	Yes
Perimeter Protection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
General	
Linkage Method	Upload to NAS/memory card/FTP, notify surveillance center, trigger recording, trigger capture, send email, audible warning
Firmware Version	V5.5.112
Web Client Language	33 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
General Function	Anti-flicker, heartbeat, mirror, privacy mask, flash log, password reset via email, pixel counter
Software Reset	Yes
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Power Supply	12 VDC $\pm$ 25% PoE: 802.3at, Class 4
Power Consumption and Current	12 VDC, 1.08 A, max. 13 W PoE (802.3at, 42.5 V to 57 V), 0.36 A to 0.27 A, amx. 15 W
Power Interface	$\varnothing$ 5.5 mm coaxial power plug
Camera Material	Aluminum alloy body
Camera Dimension	$\varnothing$ 105 mm $\times$ 340.8 mm ( $\varnothing$ 4.1" $\times$ 13.4")
Package Dimension	385 mm $\times$ 190 mm $\times$ 180 mm (15.2" $\times$ 7.5" $\times$ 7.1")
Camera Weight	Approx. 1330 g (2.9 lb.)
With Package Weight	Approx. 2176 g (4.8 lb.)

## Approval

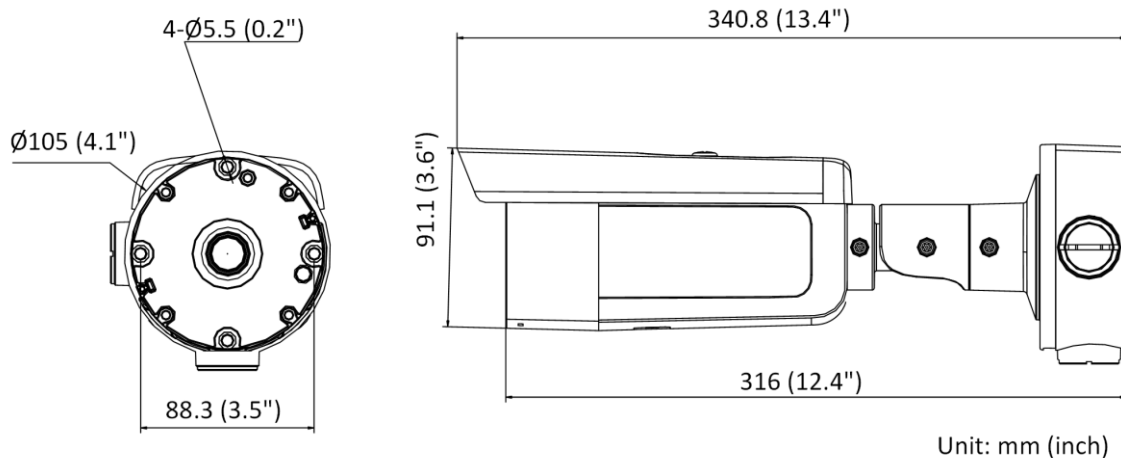
EMC	FCC SDoC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC VoC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)
Safety	UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP67 (IEC 60529-2013), IK10 (IEC 62262:2002)

## ▪ Available Model

DS-2CD3656G2T-IZS (2.7 to 13.5 mm)

DS-2CD3656G2T-IZS (7 to 35 mm)

## ▪ Dimension






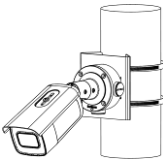
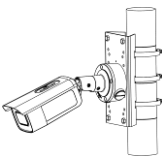
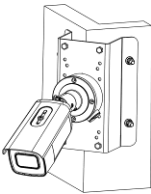
- Accessory
- Included

DS-1260ZJ  
Junction Box





- Optional

DS-1275ZJ-S-SUS Vertical Pole Mount	DS-1275ZJ-SUS Vertical Pole Mount	DS-1276ZJ-SUS Corner Mount
		
		

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## 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

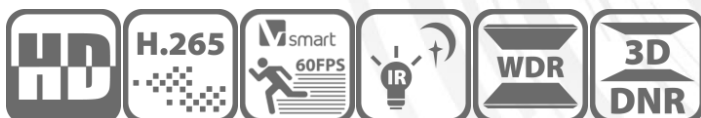
**Hikvision Korea**  
T +82-(0)31-731-8817  
sales.korea@hikvision.com

**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

## DS-2CD3025G0-I (B) 2 MP IR Fixed Bullet Network Camera



- 1/2.8" Progressive Scan CMOS
- 1920 × 1080@60fps
- 2.8/4/6 mm fixed lens
- Color: 0.009 Lux @ (F1.6, AGC ON), 0 Lux with IR
- H.265, H.264
- 120dB WDR
- 4 behavior analyses, 1 exception detection, and face detection
- BLC/3D DNR/ROI/HLC
- IP67, IK10
- Built-in micro SD/SDHC/SDXC card slot, up to 128 GB
- 3-Axis adjustment
- IR range: Up to 40 m
- Powered by DarkFighter





## Specifications

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.009 Lux @ (F1.6, AGC ON), 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Day & Night	IR Cut Filter
WDR	120 dB
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Lens	
Lens Type	2.8/4/6 mm
Aperture	F1.6
FOV	2.8 mm, horizontal FOV: 108°, vertical FOV: 59°, diagonal FOV: 129° 4 mm, horizontal FOV: 87°, vertical FOV: 45°, diagonal FOV: 102° 6 mm, horizontal FOV: 53°, vertical FOV: 29°, diagonal FOV: 60°
Lens Mount	M12
Illuminator	
IR Range	Up to 40 m
Wavelength	850 nm
Video	
Max. Resolution	1920 × 1080
Main Stream	50Hz: 50fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub Stream	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
Third Stream	50Hz: 25fps (1920 × 1080, 1280 × 720, 640 × 360, 352 × 288) 60Hz: 30fps (1920 × 1080, 1280 × 720, 640 × 360, 352 × 240)
Video Compression	Main stream: H.265/H.264 Sub-stream/third stream: H.265/H.264/MJPEG
H.264 Type	Main Profile/High Profile
H.264+	Main stream supports
H.265 Type	Main Profile
H.265+	Main stream supports
Video Bit Rate	32 Kbps to 16 Mbps
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Smart Feature-Set	
Smart Event	Line crossing detection, up to 1 line configurable Intrusion detection, up to 1 region configurable Unattended baggage detection, up to 1 region configurable Object removal detection, up to 1 region configurable

	Face detection: detects faces Scene change detection
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Linkage Method	Trigger recording: memory card, network storage, pre-record and post-record Trigger captured pictures uploading: FTP, HTTP, NAS, Email Trigger notification: HTTP, ISAPI, Email
Region of Interest	5 fixed region for main stream and sub-stream
<b>Image</b>	
Image Enhancement	BLC, HLC, 3D DNR
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness, AGC and white balance adjustable by client software or web browser
Target Cropping	No
Day/Night Switch	Day/Night/Auto/Schedule
<b>Network</b>	
Network Storage	microSD/SDHC/SDXC card (128 GB), local storage and NAS (NFS, SMB/CIFS), ANR Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP™, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS
API	ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, Ehome
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS 1.2, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, TLS1.2
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users, 3 levels: administrator, operator and user
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: IE8+ Plug-in free live view: Chr2ome 57.0+, Firefox 52.0+, Safari 11+ Local Service: Chrome 41.0+, Firefox 30.0+
<b>Interface</b>	
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board storage	Built-in micro SD/SDHC/SDXC slot, up to 128 GB
<b>General</b>	
Web Client Language	32 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil)
General Function	Anti-flicker, three streams, heartbeat, mirror, privacy masks, password reset via e-mail, pixel counter, HTTP listening
Reset	Reset via reset button on camera body, web browser and client software

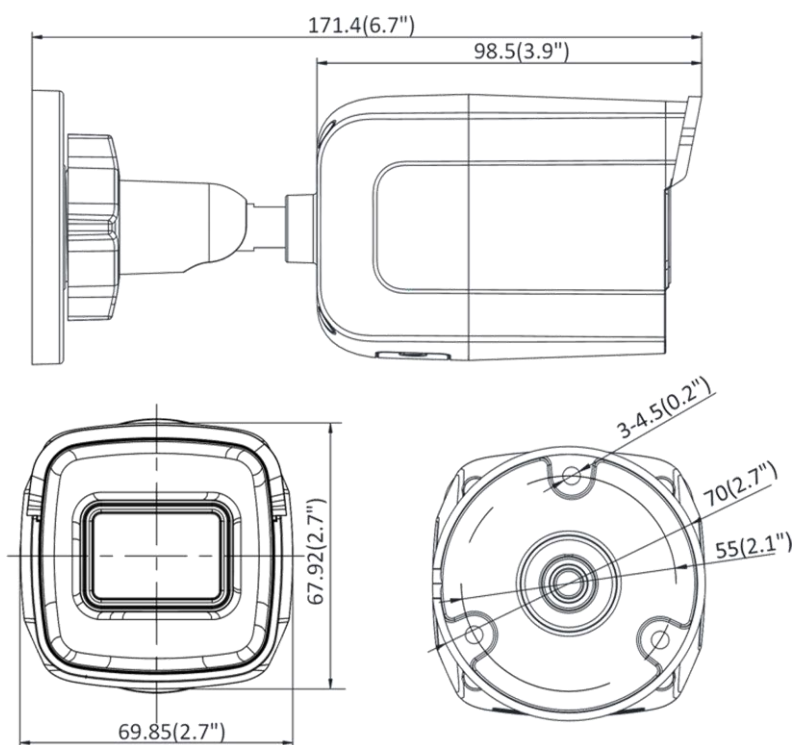
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing)
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, reverse polarity protection; PoE (802.3af, class 3)
Power Consumption and Current	12 VDC, 0.4 A, max. 5.2 W; PoE (802.3af, 36 V to 57 V), 0.2 A to 0.1 A, max. 6.5 W
Material	Front cover: metal, back cover: metal, sun shield: plastic
Dimensions	Camera: Approx. 70 × 68 × 171 mm (2.8" × 2.7" × 6.7") With package: Approx. 216 × 121 × 118 mm (8.5" × 4.8" × 4.6")
Weight	Camera: Approx. 500 g (1.1 lb.) With package: Approx. 670 g (1.48 lb.)
<b>Approval</b>	
EMC	47 CFR Part 15, Subpart B; EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014; AS/NZS CISPR 32: 2015; ICES-003: Issue 6, 2016; KN 32: 2015, KN 35: 2015
Safety	UL 60950-1, IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IS 13252(Part 1):2010+A1:2013+A2:2015
Chemistry	2011/65/EU, 2012/19/EU, Regulation (EC) No 1907/2006
Protection	Ingress protection: IP67 (IEC 60529-2013), IK10 (IEC 62262:2002)

\* Listed resolutions are only selectable options. It does not mean that all streams can work at their maximum resolution at the same time.

## Available Model

DS-2CD3025G0-I (B) (2.8/4/6 mm)

## Dimensions



## Accessory



**DS-1280ZJ-XS**  
**Junction Box**

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## 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

## DS-2CD3045G0-I (B) 4 MP IR Fixed Bullet Network Camera



- 1/2.5" Progressive Scan CMOS
- 2688 × 1520@30fps
- 2.8/4/6 mm fixed lens
- Color: 0.014 Lux @(F1.6, AGC ON), 0 Lux with IR
- H.265, H.264
- 120dB WDR
- 4 behavior analyses, 1 exception detection, and face detection
- BLC/3D DNR/ROI/HLC
- IP67, IK10
- Built-in micro SD/SDHC/SDXC card slot, up to 128 GB
- 3-Axis adjustment
- IR range: Up to 40 m
- Powered by DarkFighter



## Specifications

Camera	
Image Sensor	1/2.5" Progressive Scan CMOS
Min. Illumination	Color: 0.014 Lux @(F1.6, AGC ON), 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Day & Night	IR Cut Filter
WDR	120 dB
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Lens	
Lens Type	2.8/4/6 mm
Aperture	F1.6
FOV	2.8 mm, horizontal FOV: 109°, vertical FOV: 60°, diagonal FOV: 131° 4 mm, horizontal FOV: 88°, vertical FOV: 46°, diagonal FOV: 105° 6 mm, horizontal FOV: 53°, vertical FOV: 30°, diagonal FOV: 61°
Lens Mount	M12
Illuminator	
IR Range	Up to 40 m
Wavelength	850 nm
Video	
Max. Resolution	2688 × 1520
Main Stream	50Hz: 25fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720) 60Hz: 30fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720)
Sub Stream	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
Third Stream	50Hz: 25fps (1280 × 720, 640 × 360, 352 × 288) 60Hz: 30fps(1280 × 720, 640 × 360, 352 × 240)
Video Compression	Main stream: H.265/H.264 Sub-stream/third stream: H.265/H.264/MJPEG
H.264 Type	Main Profile/High Profile
H.264+	Main stream supports
H.265 Type	Main Profile
H.265+	Main stream supports
Video Bit Rate	32 Kbps to 16 Mbps
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Smart Feature-Set	
Smart Event	Line crossing detection, up to 1 line configurable Intrusion detection, up to 1 region configurable Unattended baggage detection, up to 1 region configurable Object removal detection, up to 1 region configurable

	Face detection: detects faces Scene change detection
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Linkage Method	Trigger recording: memory card, network storage, pre-record and post-record Trigger captured pictures uploading: FTP, HTTP, NAS, Email Trigger notification: HTTP, ISAPI, Email
Region of Interest	5 fixed region for main stream and sub-stream
<b>Image</b>	
Image Enhancement	BLC, HLC, 3D DNR
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness, AGC and white balance adjustable by client software or web browser
Target Cropping	Yes
Day/Night Switch	Day/Night/Auto/Schedule
<b>Network</b>	
Network Storage	microSD/SDHC/SDXC card (128 GB), local storage and NAS (NFS,SMB/CIFS), ANR Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP™, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS
API	ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, Ehome
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS 1.2, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, TLS1.2
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users, 3 levels: administrator, operator and user
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: IE8+ Plug-in free live view: Chr2ome 57.0+, Firefox 52.0+, Safari 11+ Local Service: Chrome 41.0+, Firefox 30.0+
<b>Interface</b>	
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board storage	Built-in micro SD/SDHC/SDXC slot, up to 128 GB
<b>General</b>	
Web Client Language	32 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil)
General Function	Anti-flicker, three streams , heartbeat, mirror, privacy masks, password reset via e-mail, pixel counter, HTTP listening
Reset	Reset via reset button on camera body, web browser and client software



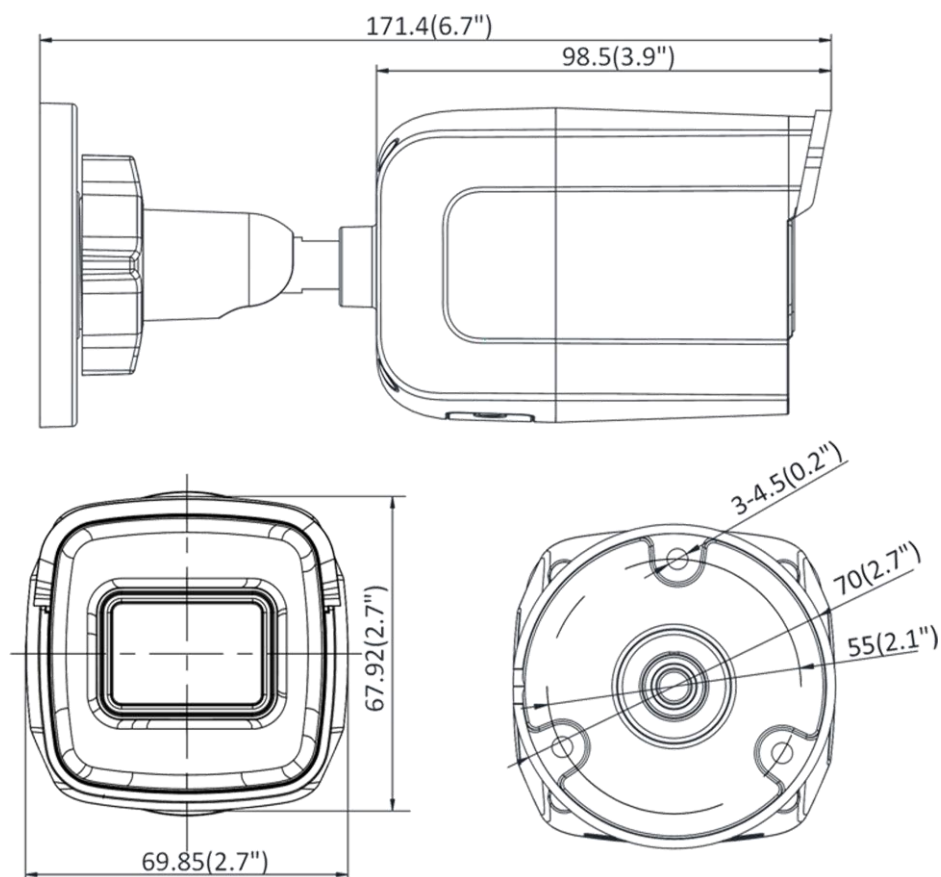
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing)
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, reverse polarity protection; PoE (802.3af, class 3)
Power Consumption and Current	12 VDC, 0.5 A, max. 6.0 W; PoE (802.3af, 36 V to 57 V), 0.2 A to 0.1 A, max. 7.5 W
Material	Front cover: metal, back cover: metal, sun shield: plastic
Dimensions	Camera: Approx. 70 × 68 × 171 mm (2.8" × 2.7" × 6.7") With package: Approx. 216 × 121 × 118 mm (8.5" × 4.8" × 4.6")
Weight	Camera: Approx. 500 g (1.1 lb.) With package: Approx. 670 g (1.48 lb.)
<b>Approval</b>	
EMC	47 CFR Part 15, Subpart B; EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014; AS/NZS CISPR 32: 2015; ICES-003: Issue 6, 2016; KN 32: 2015, KN 35: 2015
Safety	UL 60950-1, IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IS 13252(Part 1):2010+A1:2013+A2:2015
Chemistry	2011/65/EU, 2012/19/EU, Regulation (EC) No 1907/2006
Protection	Ingress protection: IP67 (IEC 60529-2013), IK10 (IEC 62262:2002)

\* Listed resolutions are only selectable options. It does not mean that all streams can work at their maximum resolution at the same time.

## Available Model

DS-2CD3045G0-I (B) (2.8/4/6 mm)

## Dimensions



## Accessory



**DS-1280ZI-XS**  
**Junction Box**

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## 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