

## Názov verejnej súťaže:

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

### Obsah ponuky

1. 1\_Vypis\_RPVS.pdf – výpis z registra partnerov verejného sektora K4FIN, s.r.o.
2. 2\_Vypis\_ORSR.pdf – výpis z obchodného registra
3. 3\_Licencia\_Technickej\_sluzby.jpg – licencia technickej služby K4FIN, s.r.o.
4. 4\_Dokument\_na\_preukazanie\_splnenia\_podmienok\_ucasti.pdf – referencie a splnenie podmienky technickej spôsobilosti uchádzača
5. 5\_Zapis\_zoznam\_hospodarskych\_subjektov.pdf
6. 6\_Navrh\_na\_plnenie\_kriteria\_a\_vykazy\_vymer.pdf
  - a. 6\_1\_vykaz\_kamery.pdf (cenová tabuľka č.1 a č.2)
  - b. 6\_2\_vykaz\_VDG.pdf (cenová tabuľka č. 3 a č. 4)
  - c. 6\_3\_vykaz\_servis.pdf (cenová tabuľka č.5)
  - d. 6\_4\_vykaz\_lokalny\_kamerovy\_system.pdf (cenová tabuľka č.6)

### Prílohy (datasheet kamery)

1. ip\_ptz\_kamera\_typ\_1\_TC-H356S Spec-30XIEA.pdf
2. ip\_ptz\_kamera\_typ\_2\_TC-H326S Spec 33X-I-E-A.pdf
3. ip\_ptz\_kamera\_typ\_3\_TC-H326S Spec 33X-I-E-A.pdf
4. ip\_pevna\_kamera\_typ\_1\_ids-2cd7a26g0\_p-izhs(y)\_en.pdf
5. ip\_pevna\_kamera\_typ\_2\_ids-2cd7a26g0\_p-izhs(y)\_en.pdf
6. ip\_pevna\_kamera\_typ\_3\_Tiandy 8 MPx STARLIGHT IP MOTO ZOOM bullet kamera TC-C38LS.pdf
7. ip\_pevna\_kamera\_typ\_4\_Tiandy 8 MPx STARLIGHT IP MOTO ZOOM bullet kamera TC-C38LS.pdf
8. ip\_pevna\_kamera\_typ\_5\_Tiandy 8 MPx STARLIGHT IP bullet kamera TC-C38JS.pdf
9. ip\_pevna\_kamera\_typ\_6\_Tiandy 8 MPx STARLIGHT IP bullet kamera TC-C38JS

alternatívne možno vzhľadom na nedostatok na trhu dodať aj tieto kamery:

alternativa\_ip\_pevna\_kamera\_typ\_3\_typ\_4TC-C38TS Spec-I8-A-E-Y-M-H-2.7-13.5mm.pdf

alternativa\_ip\_pevna\_kamera\_typ\_4\_DS-2CD3656G2T-IZS-C\_Datasheet\_V5.5.112\_20210224.pdf

alternativa\_ip\_pevna\_kamera\_typ\_5\_DS-2CD3025G0-IB\_datasheet\_V5.6.0\_20200317

alternativa\_ip\_pevna\_kamera\_typ\_6\_DS-2CD3045G0-IB\_datasheet\_V5.6.0\_20200317

### IP kamera pre lokálny kamerový systém:

pevna\_ip\_kamera\_s\_konzolou\_Tiandy 8 MPx STARLIGHT IP dome kamera TC-C38KS.pdf

Kompatibilita kamier overená so systémom VDG Sense vo verzii 2.6.7 (viď príloha)

Všeobecne	Pokročilý	Klientske nastavenia	Stav servera	Nainštalované CarR krajiny
Server version	2.6.7			
Registračné číslo	Erarnew10pc			
Server ID	<input type="text" value="13560690921294514731"/>			
Krátky popis	<input type="text" value="Erarnew10pc"/>			
Adresa riadiaceho servera	<input type="text" value="127.0.0.1"/>			
Cluster Status	<input type="button" value="Cluster management"/>			
Cluster	<input type="button" value="Join cluster"/>			
Stav Licencie	Licencia aktivovaná			
Informácie o licencií	<input type="button" value="Zobraz informácie o licencií"/>			
	<input type="button" value="Aktualizovať licenciu"/>			
	<input type="button" value="Deaktivuj licenciu"/>			

Cenovú ponuku vypracoval: Mgr. Jozef Krivaček

**K4FIN, s.r.o.**  
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Obchodné meno uchádzača:	K4FIN, s.r.o.
Sídlo uchádzača:	Zhorínska 33, 841 03 Bratislava
Štatutárny zástupca:	Mgr. Jozef Krivaček
IČO:	454 272 32
IČ DPH:	SK2022976076
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	179 939,20 €	35 987,84 €	<b>215 927,04 €</b>

Som – platiteľom DPH

V Bratislave , dňa 16.06.2021

  
podpis uchádzača

# VÝKAZ KAMERY

Cenová tabuľka č. 1

P.č.	Názov	predpokladané množstvo	merná jednotka	jednotková cena bez DPH	cena bez DPH	DPH	Cena s DPH
1	Demontáž kamery	10	ks	10	100,00 €	20,00 €	120,00 €
2	Montáž a programovanie novej kamery s pripojením na server	50	ks	22	1 100,00 €	220,00 €	1 320,00 €
3	Inštalácia OR (plastová krabica s panelom do outdoor skrine)	50	ks	22	1 100,00 €	220,00 €	1 320,00 €
4	Zváranie v OR outdoor	30	ks	6	180,00 €	36,00 €	216,00 €
5	Inštalácia optického prevodníku	30	ks	2	60,00 €	12,00 €	72,00 €
6	Zatiahnutie optického kábla	3000	m	0,98	2 940,00 €	588,00 €	3 528,00 €
7	Inštalácia - Kruhový vodič 8 FeZn	1000	m	0,98	980,00 €	196,00 €	1 176,00 €
8	Inštalácia rozvodnice	30	ks	3	90,00 €	18,00 €	108,00 €
9	Inštalácia transformátora pre kameru	30	ks	3	90,00 €	18,00 €	108,00 €
10	Inštalácia PoE napájania s výstupom na optiku	30	ks	3	90,00 €	18,00 €	108,00 €
11	Zatiahnutie elektrického kábla	1000	m	1,13	1 130,00 €	226,00 €	1 356,00 €
12	Krimpovanie konektorov RJ45	30	ks	0,5	15,00 €	3,00 €	18,00 €
13	Zatiahnutie štruktúrovaného kábla	1000	m	1,13	1 130,00 €	226,00 €	1 356,00 €
14	Elektrická inštalácia a zapojenie	30	ks	15	450,00 €	90,00 €	540,00 €
15	Pripojovacie svorky jednostranné so svorkou KS	50	ks	1	50,00 €	10,00 €	60,00 €
16	Statický posudok na stĺp (verejného osvetlenia, trolejového vedenia)	50	ks	170	8 500,00 €	1 700,00 €	10 200,00 €
17	Východzia odborná skúška	30	ks	40	1 200,00 €	240,00 €	1 440,00 €
18	Projektová dokumentácia + inžinierska činnosť	30	ks	50	1 500,00 €	300,00 €	1 800,00 €
19	Ostatné poskytnuté práce pre inštaláciu kamery (paušál)	30	ks	20	600,00 €	120,00 €	720,00 €
20	Križovanie trolejového vedenia (spolupráca s DPB a.s, Vypnutie TV, práca v noci, prenájom izolovanej plošiny s osádkou)	5	h	230	1 150,00 €	230,00 €	1 380,00 €
21	Geodetické zameranie	30	súbor	170	5 100,00 €	1 020,00 €	6 120,00 €
Tabuľka č. 1 spolu					27 555,00 €	5 511,00 €	33 066,00 €

Cenová tabuľka č. 2

P.č.	Názov	množstvo	merná jednotka	jednotková cena bez DPH	cena bez DPH	DPH	Cena s DPH
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1	2.1.1 IP PTZ kamera typ 1	10	ks	1480	14 800,00 €	2 960,00 €	17 760,00 €
2	2.1.2 IP PTZ kamera typ 2	10	ks	680	6 800,00 €	1 360,00 €	8 160,00 €
3	2.1.3 IP PTZ kamera typ 3	5	ks	680	3 400,00 €	680,00 €	4 080,00 €
4	2.1.4 IP pevná kamera typ 1	5	ks	886	4 430,00 €	886,00 €	5 316,00 €
5	2.1.5 IP pevná kamera typ 2	5	ks	886	4 430,00 €	886,00 €	5 316,00 €
6	2.1.6 IP pevná kamera typ 3	5	ks	100	500,00 €	100,00 €	600,00 €
7	2.1.7 IP pevná kamera typ 4	5	ks	280	1 400,00 €	280,00 €	1 680,00 €
8	2.1.8 IP pevná kamera typ 5	4	ks	160	640,00 €	128,00 €	768,00 €
9	2.1.9 IP pevná kamera typ 6	1	ks	170	170,00 €	34,00 €	204,00 €
10	Skriňa (napr. Schneider Sarel Thalassa PLM (530x430x200)), IP66	50	ks	65	3 250,00 €	650,00 €	3 900,00 €
11	Optická dome spojka pre min 24 vlákien na stĺp	35	ks	38	1 330,00 €	266,00 €	1 596,00 €
12	Optická spojka - kazeta do zeme pre min 24 vlákien	20	ks	56	1 120,00 €	224,00 €	1 344,00 €
13	Optický rozvádzač, Outdoor prevedenie	50	ks	125	6 250,00 €	1 250,00 €	7 500,00 €
14	Vonkajší dome box -optická spojka pre 24 vlákien s ochranou spojov	65	ks	38	2 470,00 €	494,00 €	2 964,00 €
15	Ochrana zvaru, zmršťovacia	30	ks	1	30,00 €	6,00 €	36,00 €
16	Kazeta pre OR	30	ks	5	150,00 €	30,00 €	180,00 €
17	Držiak zvarov pre kazetu do OR	30	ks	1	30,00 €	6,00 €	36,00 €
18	Patchkabel SM SC/PC duplex 1m	30	ks	5,5	165,00 €	33,00 €	198,00 €
19	Adaptér SC/PC DUPLEX, pre OR	30	ks	2	60,00 €	12,00 €	72,00 €
20	Pigtail SC, SM, 1,5m SCPC901.5	30	ks	1,99	59,70 €	11,94 €	71,64 €
21	Optický modul LC konektorom pre single-mode komunikáciu o prenosovej rýchlosti 100 Mbps. Dosiahnutá vzdialenosť je 20 km	30	ks	47	1 410,00 €	282,00 €	1 692,00 €
22	Optický modul LC konektorom pre single-mode komunikáciu o prenosovej rýchlosti 100 Mbps. Dosiahnutá vzdialenosť je 20 km protikus	30	ks	47	1 410,00 €	282,00 €	1 692,00 €
23	Optický modul LC konektorom pre single-mode komunikáciu o prenosovej rýchlosti 1000 Mbps. Dosiahnutá vzdialenosť je 20 km	20	ks	47	940,00 €	188,00 €	1 128,00 €
24	Optický modul LC konektorom pre single-mode komunikáciu o prenosovej rýchlosti 1000 Mbps. Dosiahnutá vzdialenosť je 20 km - protikus	20	ks	47	940,00 €	188,00 €	1 128,00 €
25	Transformátor 230 VAC/24VAC	30	ks	25,6	768,00 €	153,60 €	921,60 €
26	PoE zdroj s výstupom na optiku SM	30	ks	63,5	1 905,00 €	381,00 €	2 286,00 €

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	29	290,00 €	58,00 €	348,00 €
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	136	680,00 €	136,00 €	816,00 €
29	Prepäťová ochrana	65	ks	19,9	1 293,50 €	258,70 €	1 552,20 €
30	Elektrický kábel CYKY 3x2,5	100	m	1,2	120,00 €	24,00 €	144,00 €
31	Elektrický kábel CMSM 3Jx1,5	100	m	1,2	120,00 €	24,00 €	144,00 €
32	Istič 6A char.B	30	ks	3,9	117,00 €	23,40 €	140,40 €
33	FTP cat5e indoor	50	m	0,35	17,50 €	3,50 €	21,00 €
34	FTP cat5e outdoor	100	m	0,9	90,00 €	18,00 €	108,00 €
35	Konektor RJ45	50	ks	0,2	10,00 €	2,00 €	12,00 €
36	Optický kábel , 24vl SM., zafukovací	500	m	0,97	485,00 €	97,00 €	582,00 €
37	Optický kábel , 16vl SM., zafukovací	500	m	0,89	445,00 €	89,00 €	534,00 €
38	Optický kábel závesný 24 vl SM samonosný	1000	m	0,96	960,00 €	192,00 €	1 152,00 €
39	Optický kábel závesný 16 vl SM samonosný	1000	m	0,86	860,00 €	172,00 €	1 032,00 €
40	Trubka ohybná PSM-E-MF	250	m	0,39	97,50 €	19,50 €	117,00 €
41	Trubka pancierová Ø 32	250	m	0,69	172,50 €	34,50 €	207,00 €
42	Držiak káblovej rezervy na stožiar	100	ks	11	1 100,00 €	220,00 €	1 320,00 €
43	Závesný hák samonosného kábla na stĺp	30	ks	6	180,00 €	36,00 €	216,00 €
44	Závesný hák samonosného kábla na budovu	30	ks	6	180,00 €	36,00 €	216,00 €
45	Podpera vedenia na ploché strechy dvojbodová - PV 21 beton/plast - 1,0kg	100	ks	1,25	125,00 €	25,00 €	150,00 €
46	Kruhový vodič 8 FeZn	1000	m	1,99	1 990,00 €	398,00 €	2 388,00 €
47	Pripojovacie svorky jednostranné so svorkou KS	50	ks	2,99	149,50 €	29,90 €	179,40 €
48	Trubka priem 20 UV stabilná	100	m	0,6	60,00 €	12,00 €	72,00 €
49	príchytka na stenu pre trubku UV stabilnú	100	ks	0,25	25,00 €	5,00 €	30,00 €
50	príchytka na stĺp pre trubu UV stabilnú	100	ks	0,25	25,00 €	5,00 €	30,00 €
Tabuľka č. 2 spolu					68 450,20 €	13 690,04 €	82 140,24 €

### VÝKAZ VDG SENSE

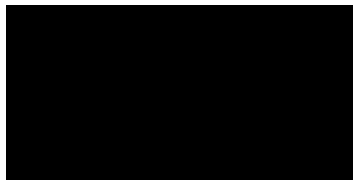
Cenová tabuľka č. 3

PRÁCE							
P.č.	Názov	predpokladané množstvo	merná jednotka	jednotková cena bez DPH	cena bez DPH	DPH	cena spolu
1.	Konfigurácia Sense servera	1	ks	300,00 €	300,00 €	60,00 €	360,00 €
2.	Konfigurácia Sense pracovnej stanice	10	ks	100,00 €	1 000,00 €	200,00 €	1 200,00 €
3.	Ostatné práce	100	h	14,50 €	1 450,00 €	290,00 €	1 740,00 €
Tabuľka č. 3 spolu					2 750,00 €	550,00 €	3 300,00 €

Cenová tabuľka č. 4

VDG SENSE Hardware							
P.č.	Názov	predpokladané množstvo	merná jednotka	jednotková cena bez DPH	cena bez DPH	DPH	cena spolu
1.	Server - VDG Video server						
1.1	NVH-2608XR Video server 19", xeon, 2U, SSD, 8-port, HS RAID, RPSU (min. konfigurácii)	1	ks	3 700,00 €	3 700,00 €	740,00 €	4 440,00 €
1.2	NVH-2608XRD Video server 19", dual xeon, 2U, SSD, 8-port, HS RAID, RPSU	1	ks	6 500,00 €	6 500,00 €	1 300,00 €	7 800,00 €
1.5	Extra 100/1000Mbps LAN interface	4	ks	99,00 €	396,00 €	79,20 €	475,20 €
1.7	Pro video server storage 8TB Pevný disk 3,5" , 256 MB cache, 7200 ot., Interface SATA 6 GB/sInterface transfer rate 600 MB/s, prevádzka 24/7	16	ks	245,00 €	3 920,00 €	784,00 €	4 704,00 €
1.8	Pro video server storage 10TB Pevný disk 3,5" , 256 MB cache, 7200 ot., Interface SATA 6 GB/sInterface transfer rate 600 MB/s, prevádzka 24/7	16	ks	350,00 €	5 600,00 €	1 120,00 €	6 720,00 €
1.9	Pro video server storage 12TB Pevný disk 3,5" , 256 MB cache, 7200 ot., Interface SATA 6 GB/sInterface transfer rate 600 MB/s, prevádzka 24/7	8	ks	490,00 €	3 920,00 €	784,00 €	4 704,00 €
2.	Pracovná stanica - VDG Video client						
2.1	NVH-1001 Compact, i5, SSD, 1TB HDD (min. v konfigurácii)	2	ks	1 500,00 €	3 000,00 €	600,00 €	3 600,00 €
2.2	NVH-1101 Video client, i7, SSD (desktop/tower)	8	ks	1 750,00 €	14 000,00 €	2 800,00 €	16 800,00 €
2.5	NVH-QUAD Quad mini display port/DVI-D output	8	ks	520,00 €	4 160,00 €	832,00 €	4 992,00 €

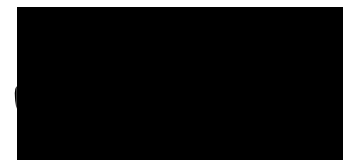
3	Monitor 1 27" Full HD LED, 1920x1080, 24/7,VGA,DVI,HDMI,DP + kabel pre pripojenie k PC (min. 2 m)	16	ks	165,00 €	2 640,00 €	528,00 €	3 168,00 €
4	Monitor 2 55" Full HD LED, 1920x1080, 24/7,VGA,DVI,HDMI, kabel pre pripojenie k PC (min. 2 m)	6	ks	650,00 €	3 900,00 €	780,00 €	4 680,00 €
4	Monitor 3 60" Full HD LED, 1920x1080, 24/7,VGA,DVI,HDMI,DP kabel pre pripojenie k PC (min. 2 m)	6	ks	890,00 €	5 340,00 €	1 068,00 €	6 408,00 €
Tabuľka č. 4 spolu					57 076,00 €	11 415,20 €	68 491,20 €



# VÝKAZ SERVIS

Cenová tabuľka č. 5

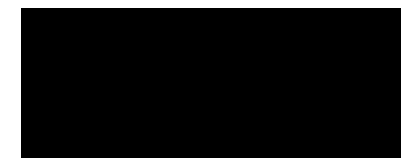
PRÁCE							
P.č.	Názov	predpokladané množstvo	merná jednotka	jednotková cena bez DPH	cena bez DPH	DPH	Spolu s DPH
1.	Cena za 1 hod. operatívneho servisu od 7:00 do 15:00	200	h	18,00 €	3 600,00 €	720,00 €	4 320,00 €
2.	Cena za 1 hod. operatívneho servisu od 15:00 do 7:00 a v sobotu	30	h	21,00 €	630,00 €	126,00 €	756,00 €
3.	Cena za 1 hod. operatívneho servisu vo sviatok a v nedeľu	30	h	29,00 €	870,00 €	174,00 €	1 044,00 €
4.	Servisná kontrola	100	kamera	23,00 €	2 300,00 €	460,00 €	2 760,00 €
5.	Odborná prehliadka a odborná skúška	50	kamera	49,00 €	2 450,00 €	490,00 €	2 940,00 €
6.	Prenájom montážnej plošiny výška do 12m	130	h	19,00 €	2 470,00 €	494,00 €	2 964,00 €
7.	Prenájom montážnej plošiny výška nad 12m	130	h	29,00 €	3 770,00 €	754,00 €	4 524,00 €
Tabuľka č. 5 spolu					16 090,00 €	3 218,00 €	19 308,00 €



# VÝKAZ LOKÁLNY KAMEROVÝ SYSTÉM

Cenová tabuľka č. 6

PRÁCE							
P.č.	Názov	množstvo	merná jednotka	jednotková cena bez DPH	cena bez DPH	DPH	Spolu s DPH
1.	Pevná IP kamera s konzolou	10	ks	95,00 €	950,00 €	190,00 €	1 140,00 €
2.	NVR Systém	8	ks	360,00 €	2 880,00 €	576,00 €	3 456,00 €
3.	POE switch	10	ks	53,00 €	530,00 €	106,00 €	636,00 €
4.	Monitor k NVR	8	ks	120,00 €	960,00 €	192,00 €	1 152,00 €
5.	Kábel FTP	500	m	0,30 €	150,00 €	30,00 €	180,00 €
6.	Lišta na povrchové vedenie kabeláže 15x10mm	500	m	1,00 €	500,00 €	100,00 €	600,00 €
7.	Iný inštalačný materiál	8	súbor	50,00 €	400,00 €	80,00 €	480,00 €
8.	Práca (inštalácia, oživenie systému)	64	h	19,50 €	1 248,00 €	249,60 €	1 497,60 €
9.	Dokumentácia, zaškolenie obsluhy	8	prípad	50,00 €	400,00 €	80,00 €	480,00 €
Tabuľka č. 6 spolu					8 018,00 €	1 603,60 €	9 621,60 €





# Tiandy



## TC-C38TS Spec: I8/A/E/Y/M/H/2.7-13.5mm 8MP Starlight Motorized IR Bullet Camera

Pro Series



### KEY FEATURES

- Full Metal Housing
- Motorized Lens 2.7-13.5mm
- Up to 3840x2160@20fps
- S+265/H.265/H.264/M-JPEG
- Min. illumination Color: 0.01Lux@F1.6
- Smart IR, IR Range: 80m
- Support Video Analytics
- Support Human/Vehicle Classification
- Support Face Capture Mode
- Audio I/O 1/1, alarm I/O 2/1
- Plugin Free
- Operating Conditions -35°C~65°C, 0~95% RH
- POE, IP67



**Tiandy Technologies Co.,Ltd.**

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Fax: +86-22-58596048



## SPECIFICATIONS

Camera	
Image Sensor	1/2.8" CMOS
Signal System	PAL/NTSC
Min. Illumination	Color: 0.01Lux@ (F1.6, ACG ON), B/W: 0Lux with IR
Shutter Time	1s to 1/100,000s
Day & Night	Dual IR Cut Filter with Auto Switch
Wide Dynamic Range	120dB
Angle Adjustment	Bracket, pan 0~360°, tilt 0~75°, rotate 0~360°
Lens	
Lens Type	Motorized
Focus	2.7-13.5mm
Lens Mount	Φ14
Aperture	F1.6~F3.3, Fixed
FOV	Horizontal field of view: 102.7°~29°
Illuminator	
IR LEDs	4
IR Range	Up to 80m
Wavelength	850nm
White/Warmlight LEDs	N/A
Compression Standard	
Video Compression	S+265/H.265/H.264/M-JPEG
Video Bit Rate	32Kbps~16Mbps
Audio Compression	G.711A/G.711U/ADPCM/AAC
Audio Bit Rate	8K~48Kbps
Image	
Max. Resolution	3840×2160
Main Stream	PAL: 20fps (3840×2160, 3072×2048), 25fps (2560×1440, 2304×1296, 1920×1080, 1280×720) NTSC: 20fps (3840×2160, 3072×2048), 30fps (2560×1440, 2304×1296, 1920×1080, 1280×720)
Sub Stream	PAL: 25fps (704×576, 704×288, 640×480, 352×288) NTSC: 30fps (704×480, 704×240, 640×480, 352×240)
Third Stream	PAL: 25fps(1280×720, 704×576, 704×288, 640×360, 352×288) NTSC: 30fps(1280×720, 704×480, 704×240, 640×360, 352×240)
Image Setting	Saturation, brightness, contrast, sharpness, adjustable by client software or web browser
Image Enhancement	BLC/3D DNR/HLC/Corridor Format
ROI	Support 8 fixed regions of coding
OSD	16×16, 24×24, 32×32, 48×48, 64×64, 96×96, adaptable size, Letters Such as Week, Date, Time, Total 8 Regions
Picture Overlay	Yes
Privacy Mask	Yes, 8 regions
Smart Defog	Yes
Feature	
Alarm Trigger	Event Input, Event Output, Motion Detection, Mask Alarm, Disk Full, Disk R/W Error, IP Address Conflict, MAC Address Conflict, FTP Server Exception
Video Analytics	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture(Face Detection), Safety Helmet Detection, Human/Vehicle Classification
Early Warning(EW)	N/A



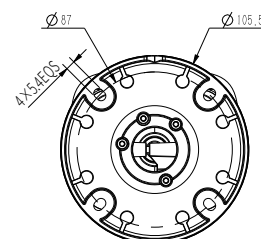
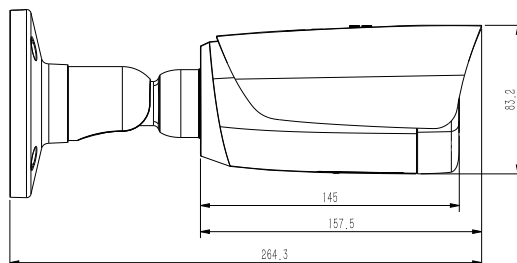
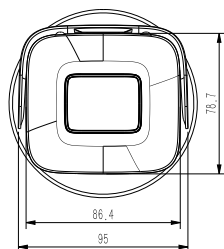
Network	
ANR	Yes, auto store video in SD card when NVR disconnected, and upload video to NVR when resumed connection (Only Support Tiandy ANR NVR)
Protocols	TCP/IP, ICMP, HTTP, HTTPS, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, MULTICAST, UPnP, FTP, IPV4, NTP, SMTP, IGMP, 802.1x, QoS, IPV6, ARP, UDP, SNMP, SSL, SIP, Telnet, SNTP, RTMP, SFTP, NFS
System Compatibility	ONVIF (PROFILE S/T/G), SDK, Milestone, CGI, P2P
Remote Connection	≤7
Client	Easy7, EasyLive
Web Version	Web6
Interface	
Communication Interface	1 RJ45 10M/ 100M self adaptive Ethernet port, RS 485
Audio	1/1
Alarm	2/1
Reset Button	Yes
On-board storage	Built-in Micro SD card slot, up to 512 GB
General	
Firmware Version	-
Web Client Language	15 languages English, Russian, Spanish, Korean, Italian, Turkish, Simple Chinese, Traditional Chinese, Thai, French, Polish, Dutch, Hebraism, Arabic, Vietnamese
Operating Conditions	-35°C ~ 65°C, 0 ~ 95% RH
Power Supply	DC12V±25%/PoE
Power Consumption	MAX: 8.5W (12V) MAX: 10W (PoE)
Protection	IP67, Lightning protection, surge protection and voltage transient protection meets EN 55035:2017
Heater	N/A
Dimensions	264.3×95×83.2mm (10.41×3.74×3.28inch)
Weight	1.15kg (2.54lb)

\* 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

## TC-C38TS SPEC: I8/A/E/Y/M/H/2.7-13.5MM

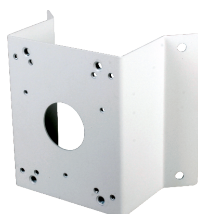
## DIMENSIONS (Unit: mm)



## ACCESSORIES



A36  
Pole Mount



A35  
Corner Mount



TC-P54AM Spec: V4  
Junction Box



A22  
Junction Box

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## 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

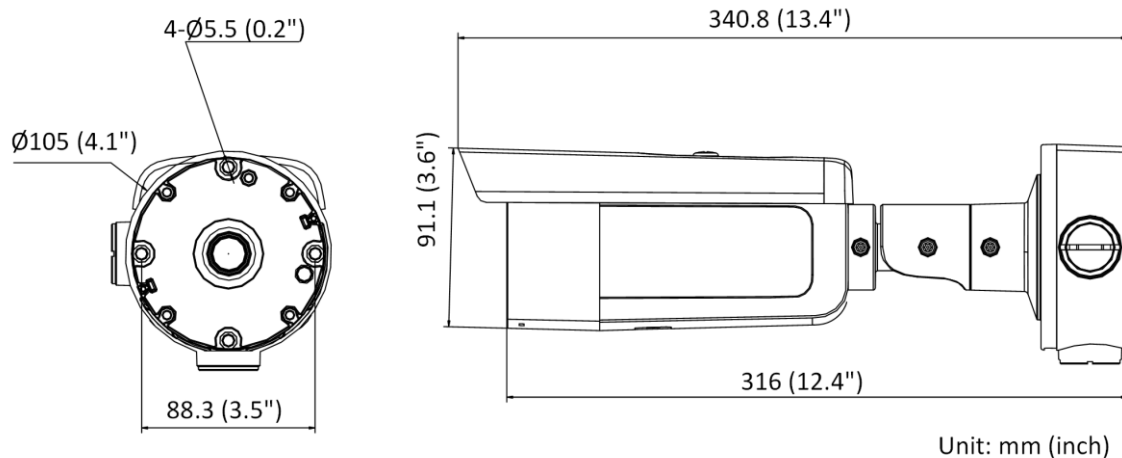
EMC	FCC SDoC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC VoC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)
Safety	UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 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






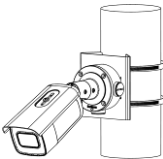
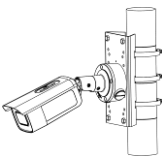
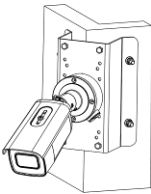
- Accessory
- Included

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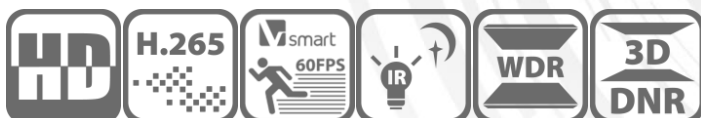
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## DS-2CD3025G0-I (B) 2 MP IR Fixed Bullet Network Camera



- 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

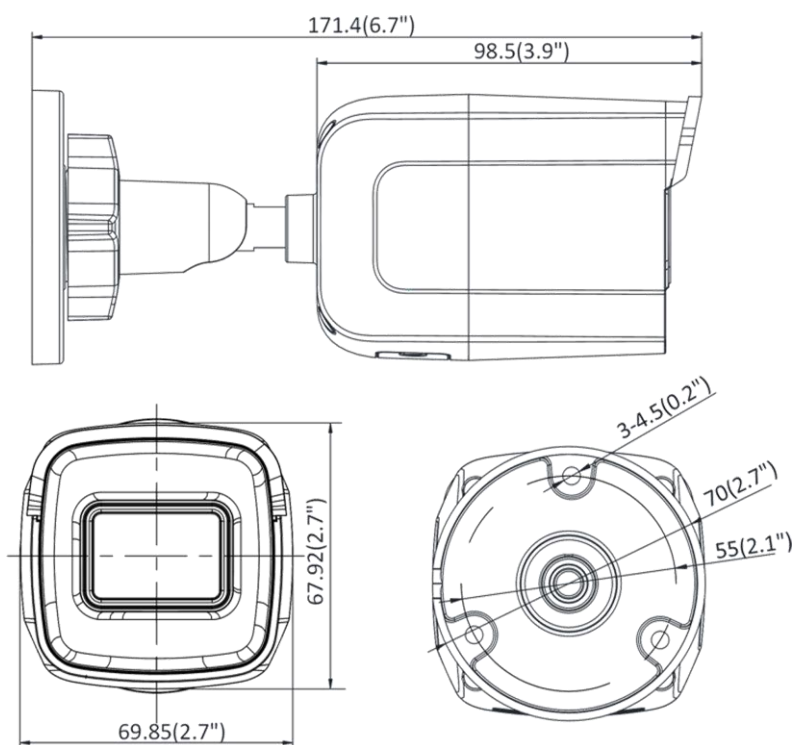
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing)
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, reverse polarity protection; PoE (802.3af, class 3)
Power Consumption and 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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## 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

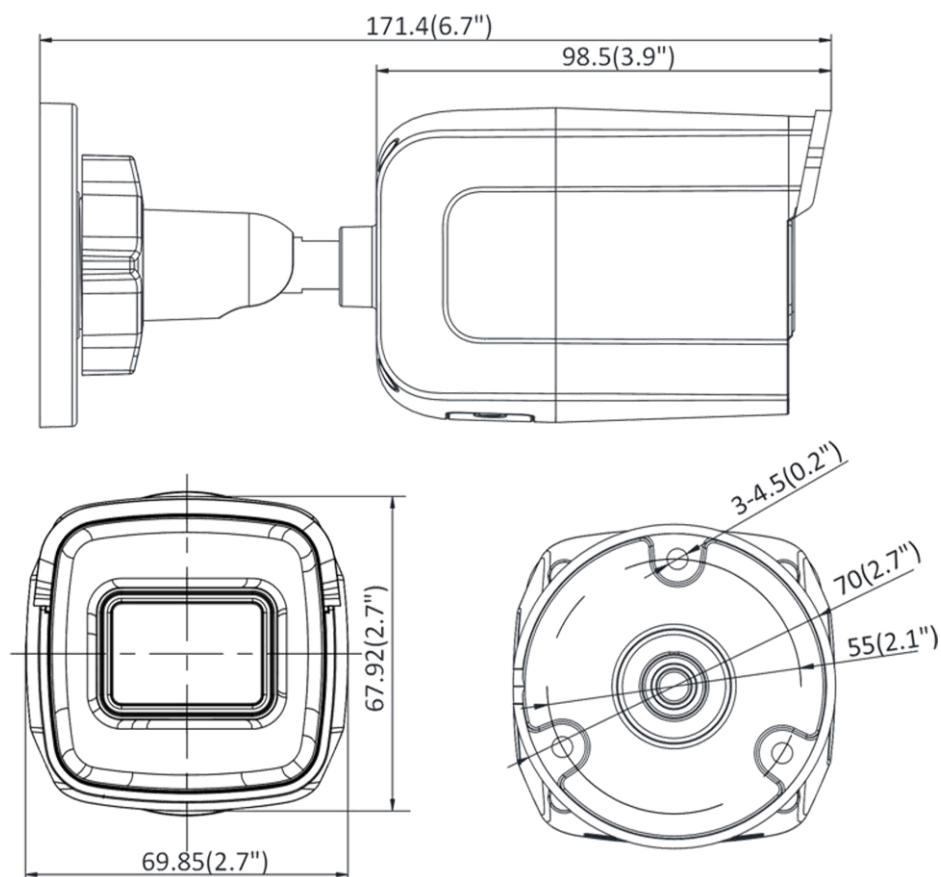
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing)
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, reverse polarity protection; PoE (802.3af, class 3)
Power Consumption and 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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## 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
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
Wide Dynamic Range	140 dB
Day & Night	IR cut filter
Power-off Memory	Yes
Lens	
Focus	Auto, semi-auto, manual.
Lens Type & 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
Blue Glass Module	Blue glass module to reduce ghost phenomenon.
P-Iris	Yes
Illuminator	
IR Range	2.8 to 12 mm: 50 m 8 to 32 mm: 100 m
Wavelength	850 nm
Smart Supplement Light	Yes
Video	
Max. Resolution	1920 × 1080
Main Stream	50Hz: 50fps (1920 × 1080, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 720)
Sub-Stream	50Hz: 25fps (704 × 576, 640 × 480) 60Hz: 30fps (704 × 480, 640 × 480)
Third Stream	50Hz: 25fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60Hz: 30fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
Fourth Stream	50Hz: 25fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60Hz: 30fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
Fifth Stream	50Hz: 25fps (704 × 576, 640 × 480) 60Hz: 30fps (704 × 480, 640 × 480)
Custom Stream	50Hz: 25fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60Hz: 30fps (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
H.264+	Main Stream supports
H.265+	Main Stream supports
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	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/32Kbps(PCM)/8-320Kbps(MP3)
Audio Type	Mono sound
<b>Network</b>	
Simultaneous Live View	Up to 20 channels
API	ONVIF (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>	
Smart IR	The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure.
Day/Night Switch	Day, Night, Auto, Schedule, Triggered by Alarm In, Triggered by Video
Target Cropping	Yes
Distortion Correction Distortion	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	Rotate mode, 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	1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium; 1 output (line out), 3.5 mm connector, max. output amplitude: 3.3 vpp, output impedance: 100 Ω, 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(75Ω/CVBS)(For debugging only)
On-board Storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB
Hardware Reset	Yes

Communication Interface	1 RJ45 10M/100M/1000M self-adaptive Ethernet port
Power Output	With -Y: 12 VDC, max. 200 mA (supported by all power supply types)
Heater	Yes
Wiegand	With -Y: 1 wiegand(CardID 26bit, SHA-1 26bit, Hik 34bit)
<b>Smart Feature-Set</b>	
Basic Event	Motion detection, video tampering alarm, vibration detection, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
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>Intelligent (Deep Learning Algorithm)</b>	
Premier 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 10000 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>	
Linkage Method	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, Email Trigger notification: HTTP, ISAPI, alarm output, Email
Online Upgrade	Yes
Dual Backup	Yes
Firmware Version	V5.5.130
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, 5 streams and up to 5 custom streams, EPTZ, heartbeat, mirror, privacy masks, flash log, password reset via e-mail, pixel counter
Software Reset	Yes
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)
Power Supply	12 VDC $\pm$ 20%, three-core terminal block, reverse polarity protection; PoE: 802.3at, Type 2 Class 4
Power Consumption and Current	12 VDC, 1.33 A, max. 16.0 W PoE: (802.3at, 42.5V-57V), 0.43 A to 0.31 A, max. 18.0 W
Power Interface	Three-core terminal block

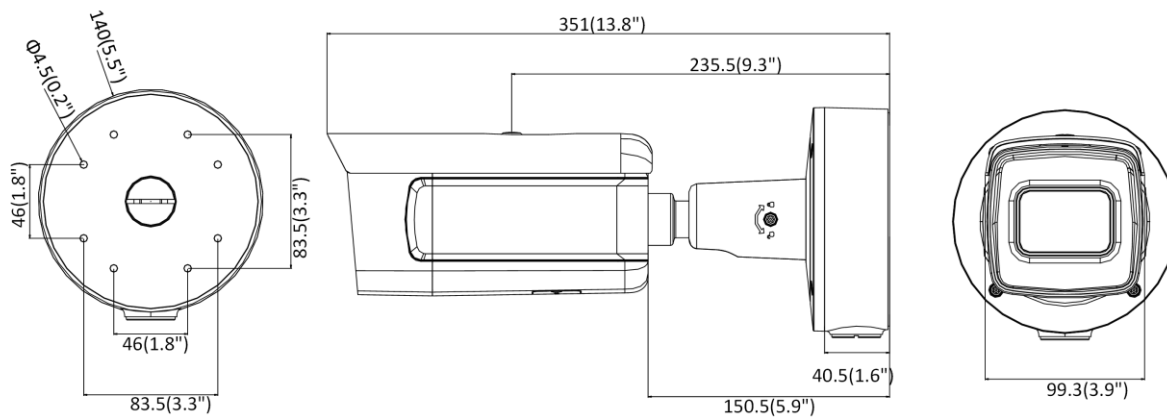
Material	Aluminum alloy body
Camera Dimension	Without -Y: Ø144 × 347 mm (Ø5.7" × 13.7") With -Y: Ø140 × 351 mm (Ø5.5" × 13.8")
Package Dimension	405 × 190 × 180 mm (15.9" × 7.5" × 7.1")
Camera Weight	1920 g (4.2 lb.)
With Package Weight	3060 g (6.7 lb.)
<b>Metadata</b>	
Metadata	Metadata of intrusion 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: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC (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); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); 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	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

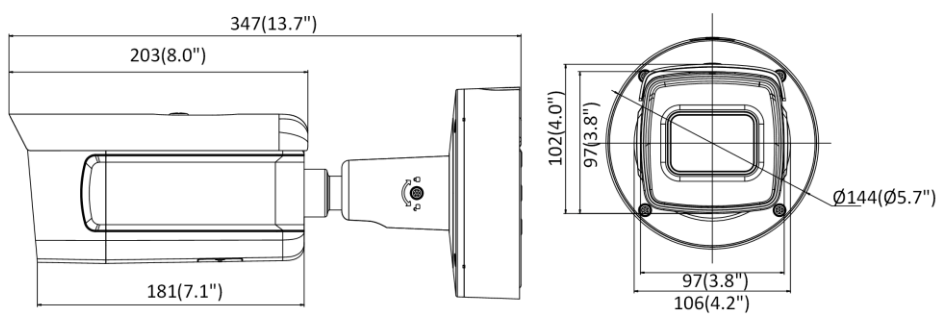
iDS-2CD7A26G0/P-IZHS (2.8 to 12 mm), iDS-2CD7A26G0/P-IZHS (8 to 32 mm), iDS-2CD7A26G0/P-IZHSY (2.8 to 12 mm), iDS-2CD7A26G0/P-IZHSY (8 to 32 mm)

## Dimension

-Y model:



Without -Y model:



Unit: mm(inch)

## Accessory

-Y model:



DS-1476ZJ-Y  
Corner Mount



DS-1475ZJ-Y  
Vertical Pole Mount

Without -Y model:



DS-1475ZJ-SUS  
Vertical Pole Mount



DS-1476ZJ-SUS  
Corner Mount



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## 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
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
Wide Dynamic Range	140 dB
Day & Night	IR cut filter
Power-off Memory	Yes
Lens	
Focus	Auto, semi-auto, manual.
Lens Type & 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
Blue Glass Module	Blue glass module to reduce ghost phenomenon.
P-Iris	Yes
Illuminator	
IR Range	2.8 to 12 mm: 50 m 8 to 32 mm: 100 m
Wavelength	850 nm
Smart Supplement Light	Yes
Video	
Max. Resolution	1920 × 1080
Main Stream	50Hz: 50fps (1920 × 1080, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 720)
Sub-Stream	50Hz: 25fps (704 × 576, 640 × 480) 60Hz: 30fps (704 × 480, 640 × 480)
Third Stream	50Hz: 25fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60Hz: 30fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
Fourth Stream	50Hz: 25fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60Hz: 30fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
Fifth Stream	50Hz: 25fps (704 × 576, 640 × 480) 60Hz: 30fps (704 × 480, 640 × 480)
Custom Stream	50Hz: 25fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60Hz: 30fps (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
H.264+	Main Stream supports
H.265+	Main Stream supports
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	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/32Kbps(PCM)/8-320Kbps(MP3)
Audio Type	Mono sound
<b>Network</b>	
Simultaneous Live View	Up to 20 channels
API	ONVIF (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>	
Smart IR	The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure.
Day/Night Switch	Day, Night, Auto, Schedule, Triggered by Alarm In, Triggered by Video
Target Cropping	Yes
Distortion Correction Distortion	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	Rotate mode, 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	1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium; 1 output (line out), 3.5 mm connector, max. output amplitude: 3.3 vpp, output impedance: 100 Ω, 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(75Ω/CVBS)(For debugging only)
On-board Storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB
Hardware Reset	Yes

Communication Interface	1 RJ45 10M/100M/1000M self-adaptive Ethernet port
Power Output	With -Y: 12 VDC, max. 200 mA (supported by all power supply types)
Heater	Yes
Wiegand	With -Y: 1 wiegand(CardID 26bit, SHA-1 26bit, Hik 34bit)
<b>Smart Feature-Set</b>	
Basic Event	Motion detection, video tampering alarm, vibration detection, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
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>Intelligent (Deep Learning Algorithm)</b>	
Premier 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 10000 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>	
Linkage Method	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, Email Trigger notification: HTTP, ISAPI, alarm output, Email
Online Upgrade	Yes
Dual Backup	Yes
Firmware Version	V5.5.130
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, 5 streams and up to 5 custom streams, EPTZ, heartbeat, mirror, privacy masks, flash log, password reset via e-mail, pixel counter
Software Reset	Yes
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)
Power Supply	12 VDC $\pm$ 20%, three-core terminal block, reverse polarity protection; PoE: 802.3at, Type 2 Class 4
Power Consumption and Current	12 VDC, 1.33 A, max. 16.0 W PoE: (802.3at, 42.5V-57V), 0.43 A to 0.31 A, max. 18.0 W
Power Interface	Three-core terminal block

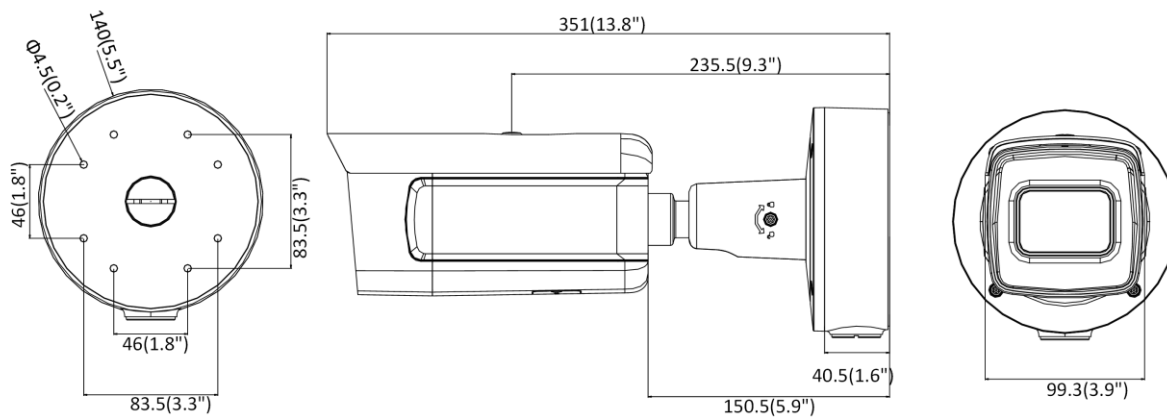
Material	Aluminum alloy body
Camera Dimension	Without -Y: Ø144 × 347 mm (Ø5.7" × 13.7") With -Y: Ø140 × 351 mm (Ø5.5" × 13.8")
Package Dimension	405 × 190 × 180 mm (15.9" × 7.5" × 7.1")
Camera Weight	1920 g (4.2 lb.)
With Package Weight	3060 g (6.7 lb.)
<b>Metadata</b>	
Metadata	Metadata of intrusion 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: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC (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); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); 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	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

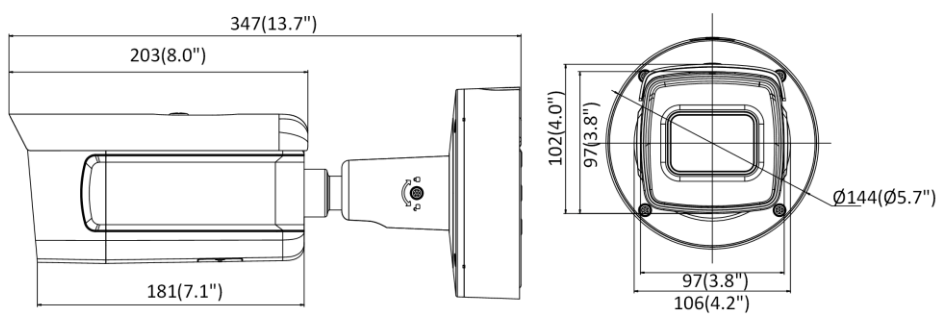
iDS-2CD7A26G0/P-IZHS (2.8 to 12 mm), iDS-2CD7A26G0/P-IZHS (8 to 32 mm), iDS-2CD7A26G0/P-IZHSY (2.8 to 12 mm), iDS-2CD7A26G0/P-IZHSY (8 to 32 mm)

## Dimension

-Y model:



Without -Y model:



Unit: mm(inch)

## Accessory

-Y model:



DS-1476ZJ-Y  
Corner Mount



DS-1475ZJ-Y  
Vertical Pole Mount

Without -Y model:



DS-1475ZJ-SUS  
Vertical Pole Mount



DS-1476ZJ-SUS  
Corner Mount



Distributed by



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# Tiandy



TC-C38LS Spec: I8/E/A/2.8-12mm

# 8MP Starlight Motorized IR Bullet Camera (2.8-12mm)

Pro Series



## KEY FEATURES

- Motorized Lens 2.8-12mm
- Up to 3840x2160@20fps
- S+265/H.265/H.264/M-JPEG
- Min. illumination Color: 0.002Lux@F1.8
- Smart IR, IR Range: 80m
- Support Video Analytics
- Support Human/Vehicle Classification
- Plugin Free
- Operating Conditions -35°~65°, 0~95% RH
- POE, IP67



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Website: [en.tiandy.com](http://en.tiandy.com)

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Fax: +86-22-58596048





## SPECIFICATIONS

Camera	
Image Sensor	1/2.8" CMOS
Signal System	PAL/NTSC
Min. Illumination	Color: 0.002Lux@ (F1.8, ACG ON), B/W: 0Lux with IR
Shutter Time	1s to 1/100,000s
Day & Night	Dual IR Cut Filter with Auto Switch
Wide Dynamic Range	120dB
Angle Adjustment	Bracket, pan 0~360°, tilt 0~75°, rotate 0~360°
Lens	
Lens Type	Motorized
Focus	2.8-12mm
Lens Mount	Φ14
Aperture	F1.8~F3.3, Fixed
FOV	Horizontal field of view: 101.7°~32.3°
Illuminator	
IR LEDs	4
IR Range	Up to 80m
Wavelength	850nm
White LEDs	N/A
Compression Standard	
Video Compression	S+265/H.265/H.264/M-JPEG
Video Bit Rate	32Kbps~16Mbps
Audio Compression	G.711A/G.711U/ADPCM_D/AAC_LC
Audio Bit Rate	8K~48Kbps
Image	
Max. Resolution	3840x2160
Main Stream	PAL: 20fps (3840×2160), 25fps (3072×1728, 2560×1440, 1920×1080, 1280×960, 1280×720)
	NTSC: 20fps (3840×2160), 30fps (3072×1728, 2560×1440, 1920×1080, 1280×960, 1280×720)
Sub Stream	PAL: 25fps (704×576, 704×288, 640×360, 352×288)
	NTSC: 30fps (704×480, 704×240, 640×360, 352×240)
Third Stream	720P
Image Setting	Saturation, brightness, contrast, sharpness, adjustable by client software or web browser
Image Enhancement	BLC/3D DNR/HLC/Corridor Format
ROI	Support 7 fixed region of coding
OSD	16×16, 24×24, 32×32, 48×48, 64×64, 96×96, adaptable size, Letters Such as Week, Date, Time, Total 5 Regions
Picture Overlay	Yes
Privacy Mask	Yes
Smart Defog	Yes
Feature	
Alarm Trigger	Event Input, Event Output, Motion Detection, Mask Alarm, Disk Full, Disk R/W Error, IP Address Conflict, MAC Address Conflict, FTP Server Exception
Video Analytics	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, Video Abnormal, Audio Abnormal, Heat Map



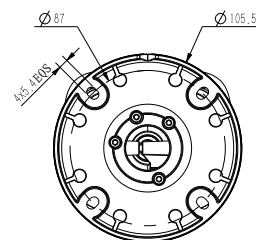
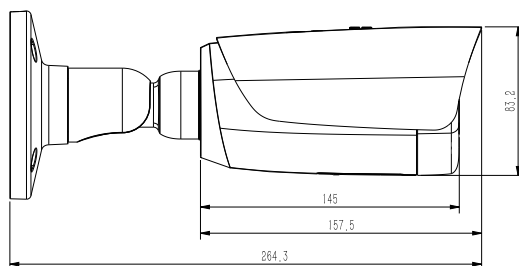
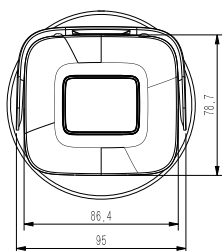
Early Warning(EW)	N/A
Intelligent Coding	N/A
Intelligent Image	N/A
Intelligent Alarm	N/A
Network	
ANR	Yes, auto store video in SD card when NVR disconnected, and upload video to NVR when resumed connection (Only Support Tiandy ANR NVR)
Protocols	TCP/IP, ICMP, HTTP, HTTPS, DHCP, DNS, DDNS, MULTICAST, UPnP, FTP, IPV4, NTP, RTSP, SMTP, IGMP, QoS, PPPoE
System Compatibility	ONVIF (PROFILE S/T), SDK, CGI, P2P
Remote Connection	≤7
Client	Easy7, EasyLive
Web Version	Web6
Interface	
Communication Interface	1 RJ45 10M/ 100M self adaptive Ethernet port
Audio	1/1
Alarm	2/1
Reset Button	Yes
On-board storage	Built-in MicroSD card slot, up to 128 GB
General	
Firmware Version	-
Web Client Language	15 languages English, Russian, Spanish, Korean, Italian, Turkish, Simple Chinese, Traditional Chinese, Thai, French, Polish, Dutch, Hebraism, Farsi, Arabic
Operating Conditions	-35°C ~ 65°C, 0 ~ 95% RH
Power Supply	DC12V±20%/PoE
Power Consumption	MAX: 8.5W(12V) MAX: 10W(POE)
Protection	IP67
Heater	N/A
Dimensions	264× Φ106 mm (10.39*Φ4.17 inch)
Weight	1.15Kg (2.54lb)

\* 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

### TC-C38LS SPEC: I8/E/A/2.8-12MM

## DIMENSIONS

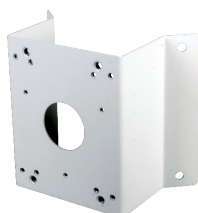


Unit: mm

## ACCESSORIES



**A36**  
Pole Mount



**A35**  
Corner Mount



**TC-P54AM Spec V4**  
Junction Box



**A22**  
Junction Box

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Pro Series



## KEY FEATURES

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- Smart IR, IR Range: 80m
- Support Video Analytics
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- Plugin Free
- Operating Conditions -35°~65°, 0~95% RH
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Wide Dynamic Range	120dB
Angle Adjustment	Bracket, pan 0~360°, tilt 0~75°, rotate 0~360°
Lens	
Lens Type	Motorized
Focus	2.8-12mm
Lens Mount	Φ14
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Illuminator	
IR LEDs	4
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ROI	Support 7 fixed region of coding
OSD	16×16, 24×24, 32×32, 48×48, 64×64, 96×96, adaptable size, Letters Such as Week, Date, Time, Total 5 Regions
Picture Overlay	Yes
Privacy Mask	Yes
Smart Defog	Yes
Feature	
Alarm Trigger	Event Input, Event Output, Motion Detection, Mask Alarm, Disk Full, Disk R/W Error, IP Address Conflict, MAC Address Conflict, FTP Server Exception
Video Analytics	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, Video Abnormal, Audio Abnormal, Heat Map



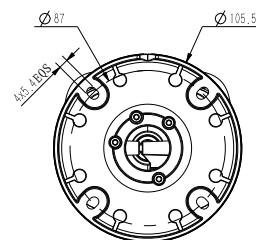
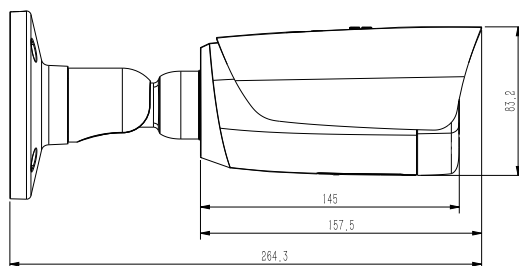
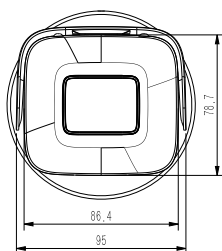
Early Warning(EW)	N/A
Intelligent Coding	N/A
Intelligent Image	N/A
Intelligent Alarm	N/A
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Heater	N/A
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## AVAILABLE MODEL

### TC-C38LS SPEC: I8/E/A/2.8-12MM

## DIMENSIONS

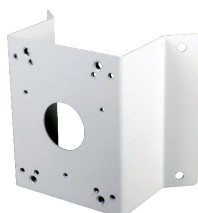


Unit: mm

## ACCESSORIES



**A36**  
Pole Mount



**A35**  
Corner Mount



**TC-P54AM Spec V4**  
Junction Box



**A22**  
Junction Box

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# Tiandy



TC-C38JS Spec: I5/E/4mm

## 8MP Starlight IR Bullet Camera (4mm)

Pro Series



### KEY FEATURES

- Full Metal Housing
- Up to 3840×2160@20fps
- S+265/H.265/H.264/M-JPEG
- Min. illumination Color: 0.01Lux@F2.0
- Smart IR, IR Range: 50m
- Support Video Analytics
- Plugin Free
- Operating Conditions -35°~65°, 0~95% RH
- POE, IP67



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## SPECIFICATIONS

Camera	
Image Sensor	1/2.8" CMOS
Signal System	PAL/NTSC
Min. Illumination	Color: 0.01Lux@ (F2.0, ACG ON), B/W: 0Lux with IR
Shutter Time	1s to 1/100,000s
Day & Night	Dual IR Cut Filter with Auto Switch
Wide Dynamic Range	120dB
Angle Adjustment	Bracket, pan 0~360°, tilt 0~75°, rotate 0~360°
Lens	
Lens Type	Fixed
Focus	4mm
Lens Mount	M12
Aperture	F2.0, Fixed
FOV	Horizontal field of view: 84.8°
Illuminator	
IR LEDs	2
IR Range	Up to 50m
Wavelength	850nm
White LEDs	N/A
Compression Standard	
Video Compression	S+265/H.265/H.264/M-JPEG
Video Bit Rate	32Kbps~16Mbps
Audio Compression	N/A
Audio Bit Rate	NA
Image	
Max. Resolution	3840x2160
Main Stream	PAL: 20fps (3840×2160), 25fps (3072×1728, 2560×1440, 1920×1080, 1280×960)
	NTSC: 20fps (3840×2160), 30fps (3072×1728, 2560×1440, 1920×1080, 1280×960)
Sub Stream	PAL: 25fps (704×576, 704×288, 640×360, 352×288)
	NTSC: 30fps (704×480, 704×240, 640×360, 352×240)
Third Stream	720P
Image Setting	Saturation, brightness, contrast, sharpness, adjustable by client software or web browser
Image Enhancement	BLC/3D DNR/HLC/Corridor Format
ROI	Support 7 fixed region of coding
OSD	16×16, 24×24, 32×32, 48×48, 64×64, 96×96, adaptable size, Letters Such as Week, Date, Time, Total 5 Regions
Picture Overlay	Yes
Privacy Mask	Yes
Smart Defog	Yes
Feature	
Alarm Trigger	Motion Detection, Mask Alarm, Disk Full, Disk R/W Error, IP Address Conflict, MAC Address Conflict, FTP Server Exception



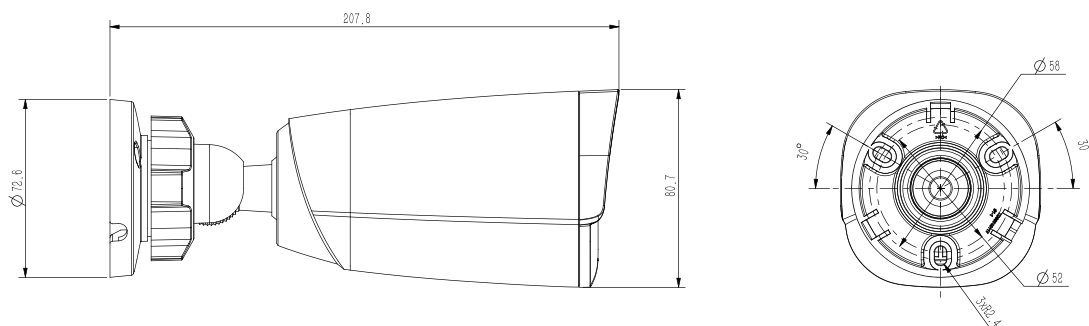
Video Analytics	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, Video Abnormal, Heat Map
Early Warning(EW)	N/A
Intelligent Coding	N/A
Intelligent Image	N/A
Intelligent Alarm	N/A
Network	
ANR	Yes, auto store video in SD card when NVR disconnected, and upload video to NVR when resumed connection (Only Support Tiandy ANR NVR)
Protocols	TCP/IP, ICMP, HTTP, HTTPS, DHCP, DNS, DDNS, MULTICAST, UPnP, FTP, IPV4, NTP, RTSP, SMTP, IGMP, QoS, PPPoE
System Compatibility	ONVIF (PROFILE S/T), SDK, CGI, P2P
Remote Connection	≤7
Client	Easy7, EasyLive
Web Version	Web6
Interface	
Communication Interface	1 RJ45 10M/ 100M self adaptive Ethernet port
Audio	N/A
Alarm	N/A
Reset Button	Yes
On-board storage	Built-in MicroSD card slot, up to 128 GB
General	
Firmware Version	-
Web Client Language	15 languages English, Russian, Spanish, Korean, Italian, Turkish, Simple Chinese, Traditional Chinese, Thai, French, Polish, Dutch, Hebraism, Farsi, Arabic
Operating Conditions	-35°C ~ 65°C, 0 ~ 95% RH
Power Supply	DC12V±20%/PoE
Power Consumption	MAX: 6.5W(12V) MAX: 7.5W(POE)
Protection	IP67
Heater	N/A
Dimensions	189×70×70 mm (7.44*2.76*2.76 inch)
Weight	0.45Kg (0.99lb)

\* 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

## TC-C38JS SPEC: I5/E/4MM

## DIMENSIONS (Unit: mm)



## ACCESSORIES



A22  
Junction Box

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# Tiandy



TC-C38JS Spec: I5/E/4mm

## 8MP Starlight IR Bullet Camera (4mm)

Pro Series



### KEY FEATURES

- Full Metal Housing
- Up to 3840×2160@20fps
- S+265/H.265/H.264/M-JPEG
- Min. illumination Color: 0.01Lux@F2.0
- Smart IR, IR Range: 50m
- Support Video Analytics
- Plugin Free
- Operating Conditions -35°~65°, 0~95% RH
- POE, IP67



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## SPECIFICATIONS

Camera	
Image Sensor	1/2.8" CMOS
Signal System	PAL/NTSC
Min. Illumination	Color: 0.01Lux@ (F2.0, ACG ON), B/W: 0Lux with IR
Shutter Time	1s to 1/100,000s
Day & Night	Dual IR Cut Filter with Auto Switch
Wide Dynamic Range	120dB
Angle Adjustment	Bracket, pan 0~360°, tilt 0~75°, rotate 0~360°
Lens	
Lens Type	Fixed
Focus	4mm
Lens Mount	M12
Aperture	F2.0, Fixed
FOV	Horizontal field of view: 84.8°
Illuminator	
IR LEDs	2
IR Range	Up to 50m
Wavelength	850nm
White LEDs	N/A
Compression Standard	
Video Compression	S+265/H.265/H.264/M-JPEG
Video Bit Rate	32Kbps~16Mbps
Audio Compression	N/A
Audio Bit Rate	NA
Image	
Max. Resolution	3840x2160
Main Stream	PAL: 20fps (3840×2160), 25fps (3072×1728, 2560×1440, 1920×1080, 1280×960)
	NTSC: 20fps (3840×2160), 30fps (3072×1728, 2560×1440, 1920×1080, 1280×960)
Sub Stream	PAL: 25fps (704×576, 704×288, 640×360, 352×288)
	NTSC: 30fps (704×480, 704×240, 640×360, 352×240)
Third Stream	720P
Image Setting	Saturation, brightness, contrast, sharpness, adjustable by client software or web browser
Image Enhancement	BLC/3D DNR/HLC/Corridor Format
ROI	Support 7 fixed region of coding
OSD	16×16, 24×24, 32×32, 48×48, 64×64, 96×96, adaptable size, Letters Such as Week, Date, Time, Total 5 Regions
Picture Overlay	Yes
Privacy Mask	Yes
Smart Defog	Yes
Feature	
Alarm Trigger	Motion Detection, Mask Alarm, Disk Full, Disk R/W Error, IP Address Conflict, MAC Address Conflict, FTP Server Exception



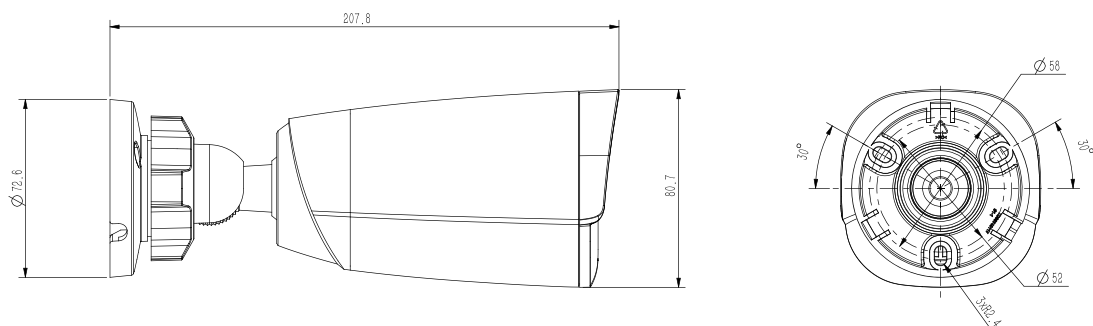
Video Analytics	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, Video Abnormal, Heat Map
Early Warning(EW)	N/A
Intelligent Coding	N/A
Intelligent Image	N/A
Intelligent Alarm	N/A
Network	
ANR	Yes, auto store video in SD card when NVR disconnected, and upload video to NVR when resumed connection (Only Support Tiandy ANR NVR)
Protocols	TCP/IP, ICMP, HTTP, HTTPS, DHCP, DNS, DDNS, MULTICAST, UPnP, FTP, IPV4, NTP, RTSP, SMTP, IGMP, QoS, PPPoE
System Compatibility	ONVIF (PROFILE S/T), SDK, CGI, P2P
Remote Connection	≤7
Client	Easy7, EasyLive
Web Version	Web6
Interface	
Communication Interface	1 RJ45 10M/ 100M self adaptive Ethernet port
Audio	N/A
Alarm	N/A
Reset Button	Yes
On-board storage	Built-in MicroSD card slot, up to 128 GB
General	
Firmware Version	-
Web Client Language	15 languages English, Russian, Spanish, Korean, Italian, Turkish, Simple Chinese, Traditional Chinese, Thai, French, Polish, Dutch, Hebraism, Farsi, Arabic
Operating Conditions	-35°C ~ 65°C, 0 ~ 95% RH
Power Supply	DC12V±20%/PoE
Power Consumption	MAX: 6.5W(12V) MAX: 7.5W(POE)
Protection	IP67
Heater	N/A
Dimensions	189×70×70 mm (7.44*2.76*2.76 inch)
Weight	0.45Kg (0.99lb)

\* 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

## TC-C38JS SPEC: I5/E/4MM

## DIMENSIONS (Unit: mm)



## ACCESSORIES



A22  
Junction Box

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# Tiandy



TC-H356S Spec: 30X/I/E++/A

## 5MP 30× Starlight IR POE AI PTZ Camera



Pro Series

### KEY FEATURES

- Optical zoom: 30×, digital zoom 16×
- Smart IR, IR Range: 200m
- S+265/H.265/H.264/M-JPEG
- Intelligent monitoring/ Face Capture mode
- Support Auto-tracking
- Plugin Free
- IP67



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## SPECIFICATIONS

Camera	
Image Sensor	1/2.8" CMOS
Signal System	PAL/NTSC
Min. Illumination	Color: 0.001lux@ (F1.5, ACG ON), BW: 0lux with IR
Shutter Time	1s to 1/100,000s
Day & Night	Dual IR Cut Filter with Auto Switch
Wide Dynamic Range	140dB
Optical Zoom	30×
Digital Zoom	16×
Lens	
Focal Length	4.7mm~141mm
Zoom Speed	<5s
Angle of View	Horizontal filed of view: 55.5° (w)~2.7° (t) Vertical filed of view: 42° (w)~1.5° (t)
Aperture Range	F1.5~F4.0
Pan&Tilt	
Pan Range	360°
Pan Speed	Pan Manual Speed: 0.1°~180°/s, Pan Preset Speed: 240°/s
Tilt Range	-16°~90° (Auto flip)
Tilt Speed	Tilt Manual Speed: 0.1°~120°/s, Tilt Preset Speed: 180°/s
3D Position	Yes
Presets	500
Preset Accuracy	±0.4°
Scan	8
Cruise	16, up to 32 presets per cruise
Pattern	8, each with 600s memory or 1000 orders
Power-off Memory	Yes
RS-485 Protocols	DOME_PELCO_D , DOME_PELCO_P , DOME_PLUS
Illuminator	
IR LEDs	10
IR Range	Up to 200m
IR Irradiation Angle	Adjustable by Zoom
White LEDs	N/A
Compression Standard	
Video Compression	S+265/H.265/H.264/M-JPEG
Video Bit Rate	32Kbps~16Mbps
Audio Compression	G.711A/G.711U/ADPCM_D/AAC_LC
Audio Bit Rate	8K~48Kbps
Image	
Max. Resolution	5.0MP(2592×1944)
Main Stream	PAL: 25fps (2592×1944, 2560×1440), 50fps (1920×1080, 1280×720)
	NTSC: 30fps (2592×1944, 2560×1440), 60fps (1920×1080, 1280×720)
Sub Stream	PAL: 25fps (704×576, 704×288, 640×360, 352×288)
	NTSC: 30fps (704×480, 704×240, 640×360, 352×240)
Third Stream	PAL: 25fps (704×576, 704×288, 640×480, 352×288)
	NTSC: 30fps (704×480, 704×240, 640×480, 352×240)
Image Setting	Saturation, brightness, contrast, sharpness, adjustable by client software or web browser
Image Enhancement	BLC/3D DNR/HLC
ROI	7 Dynamic Areas for Both Main and Sub Stream, support auto-tracking ROI
OSD	16×16, 24×24, 32×32, 48×48, 64×64, 96×96, adaptable size, Letters Such as Week, Date, Time, Total 5 Regions
Picture Overlay	Yes
Privacy Mask	Yes
Smart Defog	Yes



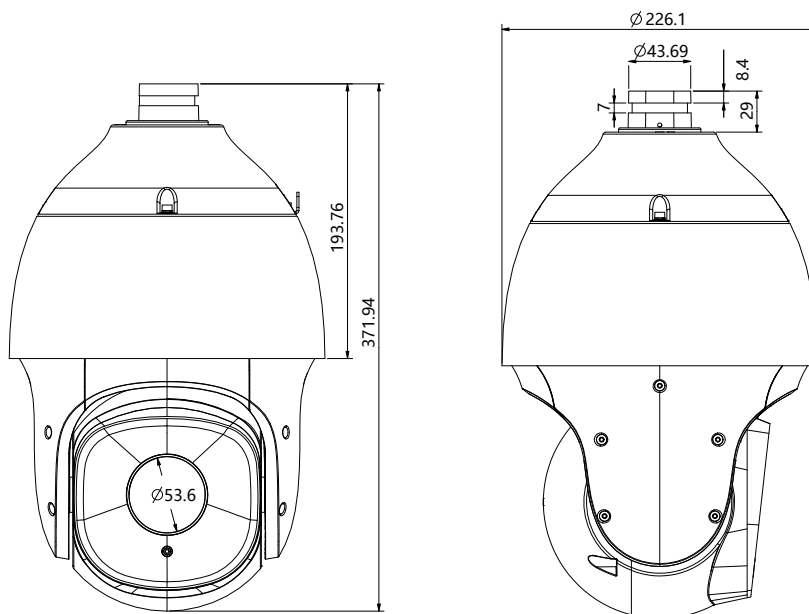
Feature	
Alarm Trigger	Motion Detection, Mask Alarm, IP Conflict, MAC Conflict Detection, FTP Server Exception, Disk Full, Disk R/W Error
Video Analytics	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Heatmap, Video Abnormal, Crowd, Audio Abnormal, Demographics(People Counting), On Duty Detection, Safety Helmet Detection, Auto tracking, Face Capture
Early Warning(EW)	N/A
Auto-Tracking	Yes
Face Detection and Analytics	
Operating Mode	Face capture, intelligent monitoring optional, default intelligent monitoring
Face Detection Performance	Detects up to 16 faces at the same scene
Face Exposure Brightness	Default 35, 1~100 brightness optional
Min. Face Pixel	Default 80, 19~1920 optional
Precautionary Alert	Three level
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTSP, PPPoE, NTP, UPnP, SMTP, IGMP, QoS, IPV4, IPV6, MULTICAST, RTMP
System Compatibility	ONVIF (PROFILE S/T/G), SDK, CGI, P2P
ANR	Auto store video in SD card when NVR disconnected, and upload video to NVR when resumed connection (Only Support Tiandy ANR NVR)
Remote Connection	≤7
Client	Easy7, EasyLive
Web Version	web6
Interface	
Communication Interface	1 RJ45 10M/100M self adaptive Ethernet port
Audio	1/1
Alarm	8/2
Speaker	N/A
Reset Button	Yes
On-board storage	Built-in Micro SD card slot, up to 512 GB
RS-485	Yes
BNC	Yes
Wiper	N/A
General	
Firmware Version	-
Web Client Language	15 languages Simplified Chinese, Traditional Chinese, English, Spanish, Korean, Italian, Turkish, Russian, Thai, French, Polish, Dutch, Hebrew, Arabic, Vietnamese
Operating Conditions	-40°C~70°C (IR OFF), -40°C~40°C (IR ON), 0-95%RH
Power Supply	AC24V±25%/POE++
Power Consumption	22W (IR OFF), 49W (IR ON)
Protection	IP67, Lightning protection, surge protection and voltage transient protection meets EN 55035:2017
Heater	N/A
Dimensions	Φ222x372mm(Φ8.74×14.65inch)
Weight	5.3kg(11.68lb)

\* 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

## TC-H356S SPEC: 30X/I/E++/A

## DIMENSIONS (Unit: mm)



## ACCESSORIES

### INCLUDED



DF20Y  
Wall Mount

### OPTIONAL



A37  
Installation Adapter



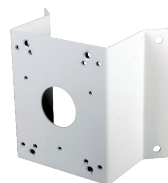
A38  
Ceiling Mount



DF21Y  
Pendant Mount



A36  
Pole Mount



A35  
Corner Mount



811  
Junction Box

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# Tiandy



TC-H326S Spec: 33X/I/E/A

## 2MP 33× Starlight IR POE PTZ Camera



Pro Series

### KEY FEATURES

- Up to 1920X1080@30fps
- Min. illumination Color: 0.002Lux@F1.5
- Optical zoom: 33×, digital zoom 16×
- Smart IR, IR Range: 150m
- S+265/H.265/H.264/M-JPEG
- IP66



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## SPECIFICATIONS

Camera	
Image Sensor	1/2.8" CMOS
Signal System	PAL/NTSC
Min. Illumination	Color: 0.002lux@ (F1.5, ACG ON), BW: 0lux with IR
Shutter Time	1s to 1/100,000s
Day & Night	Dual IR Cut Filter
Wide Dynamic Range	140dB
Optical Zoom	33×
Digital Zoom	16×
Lens	
Focal Length	4.6mm~152mm
Zoom Speed	<5s
Angle of View	Horizontal filed of view: 60.5° (w)~2.3° (t)
Aperture Range	F1.5~F4.0
Pan&Tilt	
Pan Range	360°
Pan Speed	Pan Manual Speed: 0.1°~180°/s, Pan Preset Speed: 240°/s
Tilt Range	-16°~90° (Auto flip)
Tilt Speed	Tilt Manual Speed: 0.1°~120°/s, Tilt Preset Speed: 180°/s
3D Position	Yes
Presets	500
Preset Accuracy	±0.4°
Scan	8
Cruise	16, up to 32 presets per cruise
Pattern	8, each with 600s memory or 1000 orders
Power-off Memory	Yes
RS-485 Protocols	N/A
Illuminator	
IR LEDs	4
IR Range	Up to 150m
IR Irradiation Angle	Adjustable by Zoom
White LEDs	N/A
Compression Standard	
Video Compression	S+265/H.265/H.264/M-JPEG
Video Bit Rate	32 Kbps to 16 Mbps
Audio Compression	G.711A/G.711U/ADPCM/AAC
Audio Bit Rate	8K~48Kbps
Image	
Max. Resolution	1920×1080
Main Stream	PAL: 50fps (1920×1080, 1280×960, 1280×720)
	NTSC: 60fps (1920×1080, 1280×960, 1280×720)
Sub Stream	PAL: 25fps (704×576, 704×288, 640×360, 352×288)
	NTSC: 30fps (704×480, 704×240, 640×360, 352×240)
Third Stream	PAL: 25fps (1920×1080, 1280×960, 1280×720, 640×480, 704×576, 704×288, 352×288)
	NTSC: 30fps (1920×1080, 1280×960, 1280×720, 640×480, 704×480, 704×240, 352×240)
Image Setting	Saturation, brightness, contrast, sharpness, adjustable by client software or web browser
Image Enhancement	BLC/3D DNR/HLC
ROI	7 Dynamic Areas for Both Main and Sub Stream, support auto-tracking ROI
OSD	16×16, 24×24, 32×32, 48×48, 64×64, 96×96, adaptable size, Letters Such as Week, Date, Time, Total 5 Regions



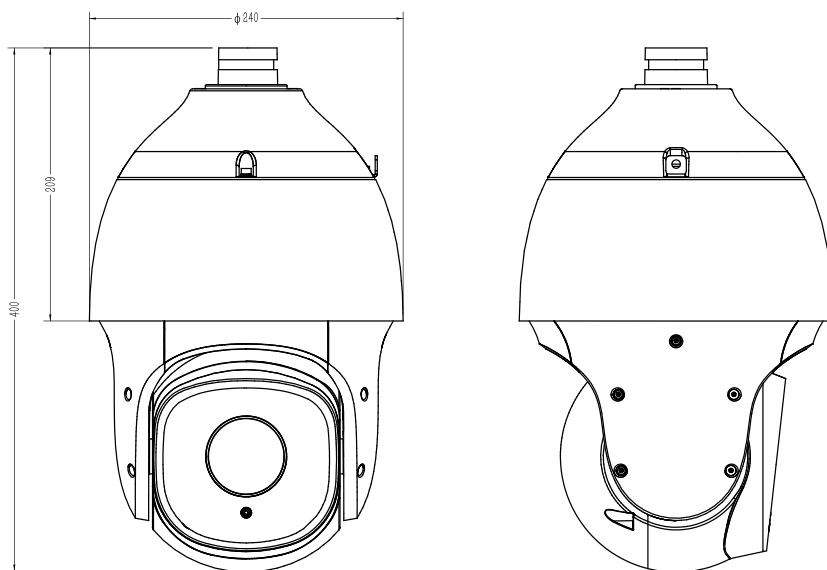
Picture Overlay	Yes
Privacy Mask	Yes
Smart Defog	Yes
Feature	
Alarm Trigger	Harsh Voice Alarm, Motion Detection, Mask Alarm, Port Alarm, Network Disable Alarm, IP Conflict, MAC Conflict Detection
Video Analytics	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Video Abnormal, Audio Abnormal, Heatmap
Early Warning(EW)	N/A
Auto-Tracking	Yes
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, DHCP, DNS, DDNS, MULTICAST, UPnP, FTP, IPV4, NTP, RTSP, SMTP, IGMP, QoS, PPPoE
System Compatibility	ONVIF (PROFILE S), SDK, CGI, P2P
ANR	Auto store video in SD card when NVR disconnected, and upload video to NVR when resumed connection (Only Support Tiandy ANR NVR)
Remote Connection	≤7
Client	Easy7, EasyLive
Web Version	Web5
Interface	
Communication Interface	1 RJ45 10M/100M self adaptive Ethernet port
Audio	1/1
Alarm	1/1
Reset Button	Yes
On-board storage	Built-in MicroSD card slot, up to 128 GB
RS-485	N/A
BNC	N/A
General	
Firmware Version	NVSS_V14.0.6.20190528
Web Client Language	11 languages English, Russian, Spanish, Korean, Italian, Turkish, Simple Chinese, Traditional Chinese, Thai, French, Polish
Operating Conditions	-30°~65°C, 0-95% RH
Power Supply	AC24V±15%/POE+
Power Consumption	21W (IR OFF), 26W (IR ON)
Protection	IP66
Heater	N/A
Dimensions	Φ222x372 mm (Φ8.74×14.65 inch)
Weight	5kg (11.02lb)

\* 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

## TC-H326S SPEC: 33X/I/E/A

## DIMENSIONS (Unit: mm)



## ACCESSORIES

### INCLUDED



DF20Y  
Wall Mount

### OPTIONAL



A37  
Installation Adapter



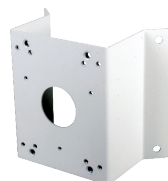
A38  
Ceiling Mount



DF21Y  
Pendant Mount



A36  
Pole Mount



A35  
Corner Mount



811  
Junction Box

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# Tiandy



TC-H326S Spec: 33X/I/E/A

## 2MP 33× Starlight IR POE PTZ Camera



Pro Series

### KEY FEATURES

- Up to 1920X1080@30fps
- Min. illumination Color: 0.002Lux@F1.5
- Optical zoom: 33×, digital zoom 16×
- Smart IR, IR Range: 150m
- S+265/H.265/H.264/M-JPEG
- IP66



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## SPECIFICATIONS

Camera	
Image Sensor	1/2.8" CMOS
Signal System	PAL/NTSC
Min. Illumination	Color: 0.002lux@ (F1.5, ACG ON), BW: 0lux with IR
Shutter Time	1s to 1/100,000s
Day & Night	Dual IR Cut Filter
Wide Dynamic Range	140dB
Optical Zoom	33×
Digital Zoom	16×
Lens	
Focal Length	4.6mm~152mm
Zoom Speed	<5s
Angle of View	Horizontal filed of view: 60.5° (w)~2.3° (t)
Aperture Range	F1.5~F4.0
Pan&Tilt	
Pan Range	360°
Pan Speed	Pan Manual Speed: 0.1°~180°/s, Pan Preset Speed: 240°/s
Tilt Range	-16°~90° (Auto flip)
Tilt Speed	Tilt Manual Speed: 0.1°~120°/s, Tilt Preset Speed: 180°/s
3D Position	Yes
Presets	500
Preset Accuracy	±0.4°
Scan	8
Cruise	16, up to 32 presets per cruise
Pattern	8, each with 600s memory or 1000 orders
Power-off Memory	Yes
RS-485 Protocols	N/A
Illuminator	
IR LEDs	4
IR Range	Up to 150m
IR Irradiation Angle	Adjustable by Zoom
White LEDs	N/A
Compression Standard	
Video Compression	S+265/H.265/H.264/M-JPEG
Video Bit Rate	32 Kbps to 16 Mbps
Audio Compression	G.711A/G.711U/ADPCM/AAC
Audio Bit Rate	8K~48Kbps
Image	
Max. Resolution	1920×1080
Main Stream	PAL: 50fps (1920×1080, 1280×960, 1280×720)
	NTSC: 60fps (1920×1080, 1280×960, 1280×720)
Sub Stream	PAL: 25fps (704×576, 704×288, 640×360, 352×288)
	NTSC: 30fps (704×480, 704×240, 640×360, 352×240)
Third Stream	PAL: 25fps (1920×1080, 1280×960, 1280×720, 640×480, 704×576, 704×288, 352×288)
	NTSC: 30fps (1920×1080, 1280×960, 1280×720, 640×480, 704×480, 704×240, 352×240)
Image Setting	Saturation, brightness, contrast, sharpness, adjustable by client software or web browser
Image Enhancement	BLC/3D DNR/HLC
ROI	7 Dynamic Areas for Both Main and Sub Stream, support auto-tracking ROI
OSD	16×16, 24×24, 32×32, 48×48, 64×64, 96×96, adaptable size, Letters Such as Week, Date, Time, Total 5 Regions



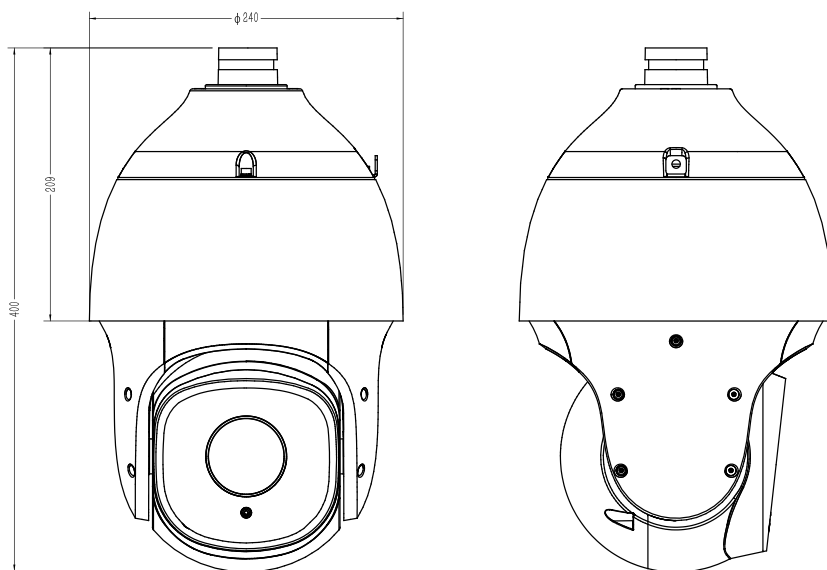
Picture Overlay	Yes
Privacy Mask	Yes
Smart Defog	Yes
Feature	
Alarm Trigger	Harsh Voice Alarm, Motion Detection, Mask Alarm, Port Alarm, Network Disable Alarm, IP Conflict, MAC Conflict Detection
Video Analytics	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Video Abnormal, Audio Abnormal, Heatmap
Early Warning(EW)	N/A
Auto-Tracking	Yes
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, DHCP, DNS, DDNS, MULTICAST, UPnP, FTP, IPV4, NTP, RTSP, SMTP, IGMP, QoS, PPPoE
System Compatibility	ONVIF (PROFILE S), SDK, CGI, P2P
ANR	Auto store video in SD card when NVR disconnected, and upload video to NVR when resumed connection (Only Support Tiandy ANR NVR)
Remote Connection	≤7
Client	Easy7, EasyLive
Web Version	Web5
Interface	
Communication Interface	1 RJ45 10M/100M self adaptive Ethernet port
Audio	1/1
Alarm	1/1
Reset Button	Yes
On-board storage	Built-in MicroSD card slot, up to 128 GB
RS-485	N/A
BNC	N/A
General	
Firmware Version	NVSS_V14.0.6.20190528
Web Client Language	11 languages English, Russian, Spanish, Korean, Italian, Turkish, Simple Chinese, Traditional Chinese, Thai, French, Polish
Operating Conditions	-30°~65°C, 0-95% RH
Power Supply	AC24V±15%/POE+
Power Consumption	21W (IR OFF), 26W (IR ON)
Protection	IP66
Heater	N/A
Dimensions	Φ222x372 mm (Φ8.74×14.65 inch)
Weight	5kg (11.02lb)

\* 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

## TC-H326S SPEC: 33X/I/E/A

## DIMENSIONS (Unit: mm)



## ACCESSORIES

### INCLUDED



DF20Y  
Wall Mount

### OPTIONAL



A37  
Installation Adapter



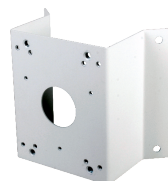
A38  
Ceiling Mount



DF21Y  
Pendant Mount



A36  
Pole Mount



A35  
Corner Mount



811  
Junction Box

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# Tiandy



TC-C38KS Spec: I2/E/2.8mm

## 8MP Starlight IR Dome Camera (2.8mm)



Pro Series

### KEY FEATURES

- Full Metal Housing
- Up to 3840×2160@20fps
- S+265/H.265/H.264/M-JPEG
- Min. illumination Color: 0.01Lux@F2.0
- Smart IR, IR Range: 20m
- Support Video Analytics
- Plugin Free
- Operating Conditions -35°~65°, 0~95% RH
- POE, IP66, IK10



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Fax: +86-22-58596048



## SPECIFICATIONS

Camera	
Image Sensor	1/2.8" CMOS
Signal System	PAL/NTSC
Min. Illumination	Color: 0.01Lux@ (F2.0, ACG ON), B/W: 0Lux with IR
Shutter Time	1s to 1/100,000s
Day & Night	Dual IR Cut Filter with Auto Switch
Wide Dynamic Range	120dB
Angle Adjustment	pan 0~330°, tilt 0~75°, rotate 0~350°
Lens	
Lens Type	Fixed
Focus	2.8mm
Lens Mount	M12
Aperture	F2.0, Fixed
FOV	Horizontal field of view: 101.3°
Illuminator	
IR LEDs	8
IR Range	Up to 20m
Wavelength	850nm
White LEDs	N/A
Compression Standard	
Video Compression	S+265/H.265/H.264/M-JPEG
Video Bit Rate	32Kbps~16Mbps
Audio Compression	G.711A/G.711U/ADPCM/AAC
Audio Bit Rate	8K~48Kbps
Image	
Max. Resolution	3840x2160
Main Stream	PAL: 20fps (3840×2160), 25fps (3072×1728, 2560×1440, 1920×1080, 1280×960)
	NTSC: 20fps (3840×2160), 30fps (3072×1728, 2560×1440, 1920×1080, 1280×960)
Sub Stream	PAL: 25fps (704×576, 704×288, 640×360, 352×288)
	NTSC: 30fps (704×480, 704×240, 640×360, 352×240)
Third Stream	720P
Image Setting	Saturation, brightness, contrast, sharpness, adjustable by client software or web browser
Image Enhancement	BLC/3D DNR/HLC/Corridor Format
ROI	Support 7 fixed region of coding
OSD	16×16, 24×24, 32×32, 48×48, 64×64, 96×96, adaptable size, Letters Such as Week, Date, Time, Total 5 Regions
Picture Overlay	Yes
Privacy Mask	Yes
Smart Defog	Yes
Feature	
Alarm Trigger	Motion Detection, Mask Alarm, Disk Full, Disk R/W Error, IP Address Conflict, MAC Address Conflict, FTP Server Exception



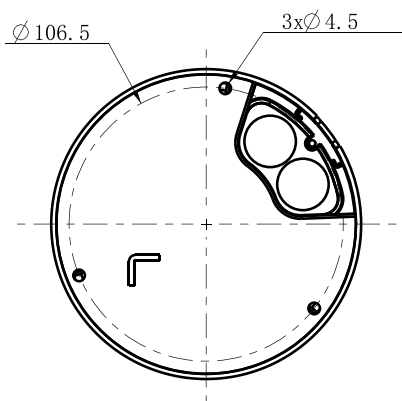
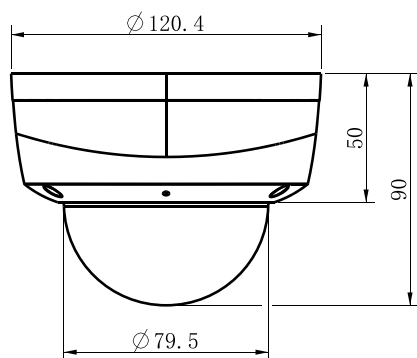
<b>Video Analytics</b>	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, Video Abnormal, Audio Abnormal, Heat Map
<b>Early Warning(EW)</b>	N/A
<b>Intelligent Coding</b>	N/A
<b>Intelligent Image</b>	N/A
<b>Intelligent Alarm</b>	N/A
<b>Network</b>	
<b>ANR</b>	Yes, auto store video in SD card when NVR disconnected, and upload video to NVR when resumed connection (Only Support Tiandy ANR NVR)
<b>Protocols</b>	TCP/IP, ICMP, HTTP, HTTPS, DHCP, DNS, DDNS, MULTICAST, UPnP, FTP, IPV4, NTP, RTSP, SMTP, IGMP, QoS, PPPoE
<b>System Compatibility</b>	ONVIF (PROFILE S/T), SDK, CGI, P2P
<b>Remote Connection</b>	≤7
<b>Client</b>	Easy7, EasyLive
<b>Web Version</b>	Web6
<b>Interface</b>	
<b>Communication Interface</b>	1 RJ45 10M/ 100M self adaptive Ethernet port
<b>Audio</b>	1/0, Mic in
<b>Alarm</b>	N/A
<b>Reset Button</b>	Yes
<b>On-board storage</b>	Built-in MicroSD card slot, up to 128 GB
<b>General</b>	
<b>Firmware Version</b>	-
<b>Web Client Language</b>	15 languages English, Russian, Spanish, Korean, Italian, Turkish, Simple Chinese, Traditional Chinese, Thai, French, Polish, Dutch, Hebraism, Farsi, Arabic
<b>Operating Conditions</b>	-35°C ~ 65°C, 0 ~ 95% RH
<b>Power Supply</b>	DC12V±20%/PoE
<b>Power Consumption</b>	MAX: 5.5W(12V) MAX: 6.5W(POE)
<b>Protection</b>	IP66, IK10
<b>Heater</b>	N/A
<b>Dimensions</b>	Φ120×90 mm (Φ4.72*3.54 inch)
<b>Weight</b>	0.45Kg (0.99lb)

\* 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

## TC-C38KS SPEC: I2/E/2.8MM

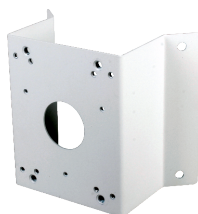
## DIMENSIONS (Unit: mm)



## ACCESSORIES



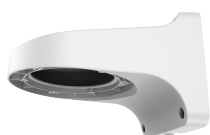
A36  
Pole Mount



A35  
Corner Mount



811  
Junction Box



A29  
Wall Mount



A21  
CornerPole Mount



A23  
Mount Adapter



A20  
Pendant Mount

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