

# iDS-2CD7146G2-IZ(H)S(Y)(1T) 4 MP DeepinView Moto Varifocal Dome Camera









Hikvision has been dedicated to develop products with security since established. Hikvision always follows security by design principle and has adopted many methods of security technologies into our product development lifecycle, including terminal security, data security, application security, network security, and privacy protection. In the meantime, the security technologies used by Hikvision are all in compliance with local applicable laws and safety regulations. These security measures could enhance product's cyber security protection capability and protect your devices as well as your data from malicious cyber attacks.

- High quality imaging with 4 MP resolution
- Excellent low-light performance via DarkFighter 2.0 technology
- Capture vehicles and humans of different speed clearly via ShotN technology
- Clear imaging against strong back light due to 150 dB AWDR technology
- Efficient H.265+ compression technology to save bandwidth and storage
- 5 streams to meet a wide variety of applications
- Water and dust resistant (IP67), vandal proof (IK10) and corrosion resistant (NEMA 4X, optional)
- High frame rate, up to 2MP@120fps and 4MP@60fps
- Built-in dual-mic and speaker for real-time audio security
- Built in 1 TB SSD for edge storage (optional)
- Built-in G-sensor for vibration detection
- Built-in power meter for voltage exception alarm and historical power statistics



#### Function

**Face Capture** 

With embedded deep learning based algorithms, the camera is able to give the best shot of a target face through detecting, capturing, grading and selecting. The camera uses face exposure function to dynamically adjust face area exposure of captures and ensures high face picture quality.

Multi-Target-Type Detection

With the embedded deep learning algorithms, the camera detects and captures the face, human body, vehicle in the specified region.



# Specification

Image Sensor         J1.8* Progressive Scan CMOS           Max. Resolution         2688 x 1520           Min. Illumination         Color: 0,0005 Lux @ (F1.2, AGC ON),B/W: 0,0001 Lux @ (F1.2, AGC ON),B/W: 0 Lux with IR           Shutter Time         1 s to 1/100,000 s           Day & Night         IR cut filter,Blue glass module (less ghost phenomenon)           Angle Adjustment         Pan: 0" to 355", litt: 0" to 75", rotate: 0" to 355"           Lens         Varifocal lens, motorized lens, 2.8 to 12 mm and 8 to 32 mm optional           Focal Length & FOV         48.1"           8 to 32 mm:	Camera					
Min. Illumination	Image Sensor	mage Sensor 1/1.8" Progressive Scan CMOS				
Min. Illumination         with IR           Shutter Time         1 sto 1/100,000 s           Day & Night         IR cut filter, Blue glass module (less ghost phenomenon)           Angle Adjustment         Pan: 0" to 355", tilt: 0" to 75", rotate: 0" to 355"           Lens         Varifocal lens, motorized lens, 2.8 to 12 mm and 8 to 32 mm optional           Lens Type         Varifocal lens, motorized lens, 2.8 to 12 mm and 8 to 32 mm optional           Focal Length & FOV         48.1"           8 to 32 mm:         horizontal FOV 114.6" to 41.8", vertical FOV 59.3" to 23.6", diagonal FOV 141.3" to 48.1"           Focus         Auto, Semi-auto, Manual           Iris Type         P-iris           Aperture         2.8 to 12 mm: F1.38 to F2.53, 8 to 32 mm: F1.7 to F1.73           DORI         D (Detect): 149.0 m, O (Observe): 59.1 m, R (Recognize): 29.8 m, I (Identify): 4.9 m 8 to 32 mm:           B to 32 mm:         D (Detect): 149.0 m, O (Observe): 158.7 m, R (Recognize): 80 m, I (Identify): 40 m           Illuminator           Supplement Light Type         IR           Supplement Light Range         2.8 to 12 mm: Monitoring: 40 m; 8 to 32 mm: Monitoring: 60 m           Smart Supplement Light         Yes           IR Wavelength         850 nm           Video         10 fps (1920 × 1080)           50 fps (2688 × 1520, 2560 ×	Max. Resolution	2688 × 1520				
Day & Night	Min. Illumination					
Angle Adjustment         Pan: 0" to 355", tilt: 0" to 75", rotate: 0" to 355"           Lens           Lens Type         Varifocal lens, motorized lens, 2.8 to 12 mm and 8 to 32 mm optional           Lens Type         2.8 to 12 mm: horizontal FOV 114.6" to 41.8", vertical FOV 59.3" to 23.6", diagonal FOV 141.3" to 48.1" 8 to 32 mm: horizontal FOV 42.5" to 15.2", vertical FOV 23.4" to 8.7", diagonal FOV 49.7" to 17.3"           Focus         Auto, Semi-auto, Manual           Iris Type         P-iris           Aperture         2.8 to 12 mm: F1.38 to F2.53, 8 to 32 mm: F1.7 to F1.73           DORI         2.8 to 12 mm: D (Detect): 149.0 m, 0 (Observe): 59.1 m, R (Recognize): 29.8 m, I (Identify): 14.9 m 8 to 32 mm: D (Detect): 490 m, O (Observe): 518.7 m, R (Recognize): 80 m, I (Identify): 40 m           Illuminator           Supplement Light Type         IR           Supplement Light Type         IR           Supplement Light Range         2.8 to 12 mm: Monitoring: 40 m; 8 to 32 mm: Monitoring: 60 m           Smart Supplement Light Range         2.8 to 12 mm: Monitoring: 40 m; 8 to 32 mm: Monitoring: 60 m           Main Stream         50 Hz:  100 fps (1920 × 1080)  50 fps (2688 × 1520, 2560 × 1440, 1280 × 720)  60 Hz:  120 fps (1920 × 1080)  60 fps (2688 × 1520, 2560 × 1440, 1280 × 720)  60 Hz:  120 fps (1920 × 1080)  60 Hz: 25 fps (704 × 576, 640 × 480)  60 Hz: 30 fps (704 × 480, 640 × 480)  60 Hz: 30 fps (704 × 480, 640 × 480)  60 Hz: 30 fps (704 × 480, 640 × 480)  60 Hz: 30 fps (704 × 576, 640 × 480)  60 Hz: 30 fps (704 × 576,	Shutter Time	1 s to 1/100,000 s				
Lens Type         Varifocal lens, motorized lens, 2.8 to 12 mm and 8 to 32 mm optional           Lens Type         2.8 to 12 mm:	Day & Night	· · ·				
Lens Type	Angle Adjustment					
2.8 to 12 mm:	Lens					
horizontal FOV 114.6° to 41.8°, vertical FOV 59.3° to 23.6°, diagonal FOV 141.3° to 48.1°	Lens Type	Varifocal lens, motorized lens, 2.8 to 12 mm and 8 to 32 mm optional				
Focal Length & FOV         48.1°		2.8 to 12 mm:				
8 to 32 mm:   horizontal FOV 42.5° to 15.2°, vertical FOV 23.4° to 8.7°, diagonal FOV 49.7° to 17.3°		horizontal FOV 114.6° to 41.8°, vertical FOV 59.3° to 23.6°, diagonal FOV 141.3° to				
horizontal FOV 42.5° to 15.2°, vertical FOV 23.4° to 8.7°, diagonal FOV 49.7° to 17.3°	Focal Length & FOV	48.1°				
Focus   Auto,Semi-auto,Manual     Iris Type		8 to 32 mm:				
Iris Type		horizontal FOV 42.5° to 15.2°, vertical FOV 23.4° to 8.7°, diagonal FOV 49.7° to 17.3°				
Aperture 2.8 to 12 mm: F1.38 to F2.53, 8 to 32 mm: F1.7 to F1.73    DORI	Focus	Auto,Semi-auto,Manual				
DORI           DORI         2.8 to 12 mm:	Iris Type	P-iris				
DORI   Does   2.8 to 12 mm;   D (Detect): 149.0 m, O (Observe): 59.1 m, R (Recognize): 29.8 m, I (Identify): 14.9 m	Aperture	2.8 to 12 mm: F1.38 to F2.53, 8 to 32 mm: F1.7 to F1.73				
D (Detect): 149.0 m, O (Observe): 59.1 m, R (Recognize): 29.8 m, I (Identify): 14.9 m 8 to 32 mm: D (Detect): 400 m, O (Observe): 158.7 m, R (Recognize): 80 m, I (Identify): 40 m  Illuminator  Supplement Light Type	DORI					
DORI       8 to 32 mm:         D (Detect): 400 m, O (Observe): 158.7 m, R (Recognize): 80 m, I (Identify): 40 m         Illuminator         Supplement Light Type       IR         Supplement Light Range       2.8 to 12 mm: Monitoring: 40 m; 8 to 32 mm: Monitoring: 60 m         Smart Supplement Light       Yes         IR Wavelength       850 nm         Video         50 Hz:         100 fps (1920 × 1080)         50 fps (2688 × 1520, 2560 × 1440, 1280 × 720)         60 Hz:       120 fps (1920 × 1080)         60 fps (2688 × 1520, 2560 × 1440, 1280 × 720)         Sub-Stream       50 Hz: 25 fps (704 × 576, 640 × 480)         60 Hz: 30 fps (704 × 480, 640 × 480)         Fourth Stream       50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)         Fourth Stream       50 Hz: 25 fps (704 × 576, 640 × 480)         Fifth Stream       50 Hz: 25 fps (704 × 576, 640 × 480)		2.8 to 12 mm:				
S to 32 mm:   D (Detect): 400 m, O (Observe): 158.7 m, R (Recognize): 80 m, I (Identify): 40 m	DOBL	D (Detect): 149.0 m, O (Observe): 59.1 m, R (Recognize): 29.8 m, I (Identify): 14.9 m				
Supplement Light Type	DONI	8 to 32 mm:				
Supplement Light Type         IR           Supplement Light Range         2.8 to 12 mm: Monitoring: 40 m; 8 to 32 mm: Monitoring: 60 m           Smart Supplement Light         Yes           IR Wavelength         850 nm           Video         50 Hz: 100 fps (1920 × 1080) 50 fps (2688 × 1520, 2560 × 1440, 1280 × 720) 60 Hz: 120 fps (1920 × 1080) 60 fps (2688 × 1520, 2560 × 1440, 1280 × 720)           Sub-Stream         50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480)           Third Stream         50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)           Fourth Stream         50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480)           Fifth Stream         50 Hz: 25 fps (704 × 576, 640 × 480)		D (Detect): 400 m, O (Observe): 158.7 m, R (Recognize): 80 m, I (Identify): 40 m				
Supplement Light Range         2.8 to 12 mm: Monitoring: 40 m; 8 to 32 mm: Monitoring: 60 m           Smart Supplement Light         Yes           IR Wavelength         850 nm           Video         50 Hz: 100 fps (1920 × 1080) 50 fps (2688 × 1520, 2560 × 1440, 1280 × 720) 60 Hz: 120 fps (1920 × 1080) 60 fps (2688 × 1520, 2560 × 1440, 1280 × 720)           Sub-Stream         50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480)           Third Stream         50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)           Fourth Stream         50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480)           Fifth Stream         50 Hz: 25 fps (704 × 576, 640 × 480)           Fourth Stream         50 Hz: 25 fps (704 × 576, 640 × 480)	Illuminator					
Smart Supplement Light         Yes           IR Wavelength         850 nm           Video           50 Hz: 100 fps (1920 × 1080) 50 fps (2688 × 1520, 2560 × 1440, 1280 × 720) 60 Hz: 120 fps (1920 × 1080) 60 Hz: 120 fps (1920 × 1080) 60 fps (2688 × 1520, 2560 × 1440, 1280 × 720)           Sub-Stream         50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480) 700 for Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480) 700 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480) 700 fps (704 × 576, 640 × 480) 700 fps (704 × 576	Supplement Light Type	IR				
IR Wavelength       850 nm         Video         50 Hz: 100 fps (1920 × 1080)         50 fps (2688 × 1520, 2560 × 1440, 1280 × 720)         60 Hz: 120 fps (1920 × 1080)         60 fps (2688 × 1520, 2560 × 1440, 1280 × 720)         Sub-Stream       50 Hz: 25 fps (704 × 576, 640 × 480)         60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)         Fourth Stream       50 Hz: 25 fps (704 × 576, 640 × 480)         Fifth Stream       50 Hz: 25 fps (704 × 576, 640 × 480)         Fifth Stream       50 Hz: 25 fps (704 × 576, 640 × 480)	Supplement Light Range	2.8 to 12 mm: Monitoring: 40 m; 8 to 32 mm: Monitoring: 60 m				
Video         Main Stream       50 Hz: 100 fps (1920 × 1080) 50 fps (2688 × 1520, 2560 × 1440, 1280 × 720) 60 Hz: 120 fps (1920 × 1080) 60 fps (2688 × 1520, 2560 × 1440, 1280 × 720)         Sub-Stream       50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480)         Third Stream       50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)         Fourth Stream       50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480)         Fifth Stream       50 Hz: 25 fps (704 × 576, 640 × 480)	Smart Supplement Light	Yes				
Main Stream       50 Hz:         100 fps (1920 × 1080)       50 fps (2688 × 1520, 2560 × 1440, 1280 × 720)         60 Hz:       120 fps (1920 × 1080)         60 fps (2688 × 1520, 2560 × 1440, 1280 × 720)         Sub-Stream       50 Hz: 25 fps (704 × 576, 640 × 480)         60 Hz: 30 fps (704 × 480, 640 × 480)         50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)         60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)         Fourth Stream       50 Hz: 25 fps (704 × 576, 640 × 480)         Fifth Stream       50 Hz: 25 fps (704 × 576, 640 × 480)	IR Wavelength	850 nm				
Main Stream       100 fps (1920 × 1080)         50 fps (2688 × 1520, 2560 × 1440, 1280 × 720)         60 Hz:         120 fps (1920 × 1080)         60 fps (2688 × 1520, 2560 × 1440, 1280 × 720)         Sub-Stream       50 Hz: 25 fps (704 × 576, 640 × 480)         60 Hz: 30 fps (704 × 480, 640 × 480)         Third Stream       50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)         Fourth Stream       50 Hz: 25 fps (704 × 576, 640 × 480)         60 Hz: 30 fps (704 × 480, 640 × 480)         60 Hz: 30 fps (704 × 576, 640 × 480)         50 Hz: 25 fps (704 × 576, 640 × 480)	Video					
Main Stream       50 fps (2688 × 1520, 2560 × 1440, 1280 × 720)         60 Hz:       120 fps (1920 × 1080)         60 fps (2688 × 1520, 2560 × 1440, 1280 × 720)         Sub-Stream       50 Hz: 25 fps (704 × 576, 640 × 480)         60 Hz: 30 fps (704 × 480, 640 × 480)         Third Stream       50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)         Fourth Stream       50 Hz: 25 fps (704 × 576, 640 × 480)         Fifth Stream       50 Hz: 25 fps (704 × 576, 640 × 480)         50 Hz: 25 fps (704 × 576, 640 × 480)		50 Hz:				
Main Stream  60 Hz:  120 fps (1920 × 1080)  60 fps (2688 × 1520, 2560 × 1440, 1280 × 720)  Sub-Stream  50 Hz: 25 fps (704 × 576, 640 × 480)  60 Hz: 30 fps (704 × 480, 640 × 480)  50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)  60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)  Fourth Stream  50 Hz: 25 fps (704 × 576, 640 × 480)  60 Hz: 30 fps (704 × 480, 640 × 480)  50 Hz: 25 fps (704 × 576, 640 × 480)  50 Hz: 25 fps (704 × 576, 640 × 480)		100 fps (1920 × 1080)				
60 Hz: 120 fps (1920 × 1080) 60 fps (2688 × 1520, 2560 × 1440, 1280 × 720)  Sub-Stream  50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480)  Third Stream  50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)  Fourth Stream  50 Hz: 25 fps (704 × 576, 640 × 480)  50 Hz: 25 fps (704 × 576, 640 × 480)  50 Hz: 25 fps (704 × 576, 640 × 480)	Main Stream	50 fps (2688 × 1520, 2560 × 1440, 1280 × 720)				
60 fps (2688 × 1520, 2560 × 1440, 1280 × 720)  Sub-Stream  50 Hz: 25 fps (704 × 576, 640 × 480)  60 Hz: 30 fps (704 × 480, 640 × 480)  Third Stream  50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)  60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)  Fourth Stream  50 Hz: 25 fps (704 × 576, 640 × 480)  60 Hz: 30 fps (704 × 480, 640 × 480)  50 Hz: 25 fps (704 × 576, 640 × 480)	Iviaiii Sti Caiii	60 Hz:				
Sub-Stream       50 Hz: 25 fps (704 × 576, 640 × 480)         60 Hz: 30 fps (704 × 480, 640 × 480)         Third Stream       50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)         60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)         Fourth Stream       50 Hz: 25 fps (704 × 576, 640 × 480)         Fifth Stream       50 Hz: 25 fps (704 × 576, 640 × 480)		120 fps (1920 × 1080)				
Sub-Stream  60 Hz: 30 fps (704 × 480, 640 × 480)  50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)  60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)  Fourth Stream  50 Hz: 25 fps (704 × 576, 640 × 480)  60 Hz: 30 fps (704 × 480, 640 × 480)  50 Hz: 25 fps (704 × 576, 640 × 480)		60 fps (2688 × 1520, 2560 × 1440, 1280 × 720)				
60 Hz: 30 fps (704 × 480, 640 × 480)  50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)  60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)  Fourth Stream  50 Hz: 25 fps (704 × 576, 640 × 480)  60 Hz: 30 fps (704 × 480, 640 × 480)  50 Hz: 25 fps (704 × 576, 640 × 480)	Suh-Stream	50 Hz: 25 fps (704 × 576, 640 × 480)				
Third Stream  60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)  50 Hz: 25 fps (704 × 576, 640 × 480)  60 Hz: 30 fps (704 × 480, 640 × 480)  Fifth Stream  50 Hz: 25 fps (704 × 576, 640 × 480)	Jub Streum	60 Hz: 30 fps (704 × 480, 640 × 480)				
60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)  50 Hz: 25 fps (704 × 576, 640 × 480)  60 Hz: 30 fps (704 × 480, 640 × 480)  Fifth Stream  50 Hz: 25 fps (704 × 576, 640 × 480)	Third Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)				
Fourth Stream 60 Hz: 30 fps (704 × 480, 640 × 480)  50 Hz: 25 fps (704 × 576, 640 × 480)  Fifth Stream	IIIII Ja Ja Calli	60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)				
60 Hz: 30 fps (704 × 480, 640 × 480)  50 Hz: 25 fps (704 × 576, 640 × 480)  Fifth Stream	Fourth Stream	50 Hz: 25 fps (704 × 576, 640 × 480)				
Fifth Stream	. Januar Surcum	60 Hz: 30 fps (704 × 480, 640 × 480)				
60 Hz: 30 fps (704 × 480, 640 × 480)	Fifth Stream	50 Hz: 25 fps (704 × 576, 640 × 480)				
		60 Hz: 30 fps (704 × 480, 640 × 480)				



	Main stream: H.265+/H.265/H.264+/H.264,			
	Sub-stream: H.265/H.264/MJPEG,			
Video Compression	Third stream: H.265/H.264,			
	Fourth stream: H.265/H.264/MJPEG,			
	Fifth stream: H.265/H.264/MJPEG			
Video Bit Rate	32 Kbps to 8 Mbps			
H.264 Type	Baseline Profile,Main Profile,High Profile			
H.265 Type	Main Profile			
Bit Rate Control	CBR,VBR			
Scalable Video Coding (SVC)	H.264 and H.265 encoding			
Region of Interest (ROI)	4 fixed regions for each stream			
Target Cropping	Yes			
e-PTZ	Support Patrol and Auto Tracking settings			
Audio				
Audio Type	Mono sound			
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC			
A 11 DU D 1	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps			
Audio Bit Rate	(MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)			
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/48 kHz			
Environment Noise Filtering	Yes			
Network				
	TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, SRTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP,			
Protocols	PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS,			
	WebSocket, WebSockets			
Simultaneous Live View	Up to 20 channels			
API	ISAPI,SDK,ISUP,OTAP,ONVIF (Profile S, Profile G, Profile T, Profile M)			
	Up to 32 users			
User/Host	3 user levels: administrator, operator, and user			
	Password protection, complicated password, HTTPS encryption, 802.1X authentication			
	(EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest			
Security	authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network			
,	Video Interface, RTP/RTSP OVER HTTPS, Control Timeout Settings, Security Audit Log,			
	TLS 1.2, TLS 1.3, TPM 2.0 (FIPS 140-2 level 2), AES128/256			
Client	iVMS-4200,Hik-Connect,Hik-Central			
	Plug-in required live view: IE 10, IE 11,			
Web Browser	Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Safari 11+,			
	Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+			
	NAS (NFS, SMB/CIFS),Auto Network Replenishment (ANR),			
Network Storage	Together with high-end Hikvision memory card, memory card encryption and health			
	detection are supported.			
Image				
Image Parameters Switch	Yes			
	Rotate mode, saturation, brightness, contrast, sharpness, white balance, AGC, adjustable			
Image Settings	by client software or web browser			
Day/Night Switch	Day,Night,Auto,Schedule,Alarm Trigger			
Wide Dynamic Range (WDR)				
wide Dynamic Nange (WDN)	130 00			



Image Enhancement	BLC,HLC,3D DNR,Distortion Correction,Defog			
Privacy Mask	-			
SNR	8 programmable polygon privacy masks ≥ 52 dB			
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format.			
Image Stabilization	EIS			
Interface				
Video Output	1 Vp-p Composite Output (75 $\Omega$ /CVBS) (Only for debugging)			
Ethernet Interface	1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port			
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1 TB,			
On-Board Storage	With -1T: Built-in 1 TB SSD storage (1 TB device model supports)			
Built-in Microphone	Yes, 2 built-in microphones			
	Max. power consumption: 1.5 W, max. sound pressure level: 98 dB, speaker range: 10			
Built-in Speaker	m			
	1 input (line in), 3.5 mm connector, three-contact, max. input amplitude: 3.3 Vpp,			
	input impedance: 4.7 KΩ, interface type: non-equilibrium,			
Audio	1 output (line out), 3.5 mm connector, three-contact, max. output amplitude: 3.3 Vpp,			
	output impedance: 100 $\Omega$ , interface type: non-equilibrium, mono sound			
Alarm				
RS-485	2 inputs, 2 outputs (max. 24 VDC/24 VAC, 1 A)			
	1 RS-485 (Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)			
Reset Key	Yes			
Power Output	12 VDC, max. 100 mA			
Event				
	Motion detection (support alarm triggering by specified target types (human and			
Basic Event	vehicle)), video tampering alarm, video quality diagnosis, exception (network			
Busic Event	disconnected, IP address conflict, illegal login, abnormal restart, HDD full, HDD			
	error),vibration detection			
Smart Event	scene change detection, audio exception detection, defocus detection			
Links	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm			
Linkage	output,trigger recording,trigger capture,audible warning			
Deep Learning Function				
	Supports simultaneous detection and capture of human body, face, and vehicle,			
	Gets 7 face features,			
	Gets 13 human body features,			
Multi-target-type Detection	Gets 2 vehicle features,			
mant tanget type I ettetion	Supports counting the number of line crossing targets by type, including human body,			
	non-motor vehicle, motor vehicle,			
	Supports dynamic mosaic mask			
	Detects up to 120 faces simultaneously, captures up to 40 face pictures per frame			
	simultaneously and uploads up to 10 face pictures per second,			
Face Combune	Supports swing left and right from -60° to 60°, tilt up and down from -30° to 30°,			
Face Capture	Uploads face with background and closed-up face pictures,			
	Supports best shot and quick shot for capture mode,			
	Supports dynamic mosaic mask,			
	Gets 7 face features			
Face Comparison	Up to 10 face libraries. 30,000 faces for each library. 150,000 faces in total,			
p	Supports face library encryption			



	Line crossing, intrusion, region entrance, region exiting			
Perimeter Protection	Support alarm triggering by specified target types (human and vehicle)			
	Support combined event alarm triggering			
General				
	With -1T:			
	three-core terminal block,			
	12 VDC ± 20%, 1.22 A, max. 14.6 W,			
	24 VAC ± 20%, 0.88 A, max. 13.7 W,			
Power	PoE: IEEE 802.3at, Type 2, Class 4, 42.5 V to 57 V, 0.37 A to 0.28 A, max. 16.8 W,			
	Without -1T:			
	12 VDC ± 20%, 1.28A, max. 15.3 W,			
	24 VAC ± 20%, 0.91 A, max. 13.7 W,			
	PoE: IEEE 802.3at, Type 2, Class 4, 42.5 V to 57 V, 0.36 A to 0.27 A, max. 15.2 W			
Material	Base: metal, cover: metal			
Dimension	Ø144.3 mm × 114.1 mm (Ø5.7" × 4.5")			
Package Dimension	244 mm × 174 mm × 173 mm (9.6" × 6.9" × 6.8")			
Weight	Approx. 970 g (2.14 lb.)			
With Package Weight	Approx. 1461 g (3.23 lb.)			
Storage Conditions	-40 °C to 65 °C (-40 °F to 149 °F). Humidity 95% or less (non-condensing)			
Startup and Operating	, , , , , , , , , , , , , , , , , , , ,			
Conditions	With -H: -40 °C to 65 °C (-40 °F to 149 °F). Humidity 95% or less (non-condensing), Without -H: -30 °C to 65 °C (-22 °F to 149 °F). Humidity 95% or less (non-condensing)			
Conditions	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian			
	Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish			
Language	Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese			
	Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian			
General Function	Heartbeat, one-key reset, mirror, password protection			
Cable Length	0.25 m (0.8 ft.)			
Heater	-H: Yes			
	Supports adding alarm box (DS-FM2466) in the LAN to expand 6 additional input and			
Device Management	output alarm interfaces			
Approval				
	CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-			
	2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021,			
EMC	RCM: AS/NZS CISPR 32: 2015,			
	IC: ICES-003: Issue 7,			
	KC: KN32: 2015, KN35: 2015			
	CB: IEC 62368-1: 2014+A11,			
Cafaty	CE-LVD: EN 62368-1: 2014/A11: 2017,			
Safety	BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005,			
	LOA: IEC/EN 60950-1			
	CE-RoHS: 2011/65/EU,			
Environment	WEEE: 2012/19/EU,			
	Reach: Regulation (EC) No 1907/2006			
Protection	IP67: IEC 60529-2013,IK10: IEC 62262:2002			
	V. NIEMA AV /NIEMA 2EO 2010)			
Anti-Corrosion Protection	-Y: NEMA 4X (NEMA 250-2018)			



0	ther	PVC FREE	

### Typical Application

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

-Y model: This model has MODERATE PROTECTION.

Without -Y model: This model has NO SPECIFIC PROTECTION.

Level	Description
	Hikvision products at this level are equipped for use in
Top-level protection	areas where professional anti-corrosion protection is a
Top-level protection	must. Typical application scenarios include coastlines,
	docks, chemical plants, and more.
	Hikvision products at this level are equipped for use in
	areas with moderate anti-corrosion demands. Typical
Moderate protection	application scenarios include coastal areas about 2
	kilometers (1.24 miles) away from coastlines, as well as
	areas affected by acid rain.
No specific protection	Hikvision products at this level are equipped for use in
No specific protection	areas where no specific anti-corrosion protection is needed.

#### Available Model

iDS-2CD7146G2-IZHSY(8-32mm)

iDS-2CD7146G2-IZHSY(2.8-12mm)

iDS-2CD7146G2-IZS(8-32mm)

iDS-2CD7146G2-IZS(2.8-12mm)

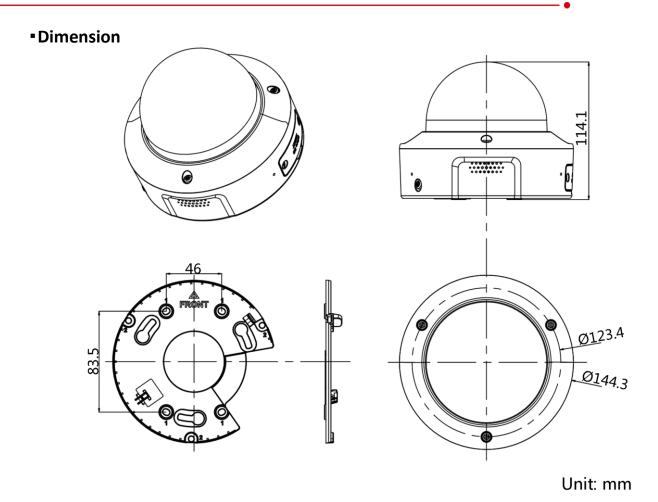
iDS-2CD7146G2-IZHSY(1T)(8-32mm)

iDS-2CD7146G2-IZHSY(1T)(2.8-12mm)

iDS-2CD7146G2-IZS(1T)(8-32mm)

iDS-2CD7146G2-IZS(1T)(2.8-12mm)





## Accessory

# Optional

DS-1475ZJ-SUS	DS-1227ZJ-DM32	DS-1476ZJ-SUS	DS-1475ZJ-Y	DS-1476ZJ-Y
Vertical pole mount	In-ceiling mount	Corner mount	Vertical pole mount	Corner mount
NAME OF THE PARTY		ľ	nno E	



DS-2280ZJ-WA140	DS-2200ZJ-WA-140	DS-2200ZJ-WAJ-140	DS-2210ZJ-WA-140
Junction box	Wall mount	Wall mount	Pendant Mount
			Ţ

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

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





HikvisionHQ



HikvisionHQ







