

iDS-2CD7146G0-IZ(H)S(Y)(D) 4 MP IR Varifocal Dome Network Camera



















- High quality imaging with 4 MP resolution
- Excellent low-light performance via DarkFighter technology
- Clear imaging against strong back light due to 140 dB WDR 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) and vandal proof (IK10)





Function

Face Recognition

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.

Perimeter Protection

With embedded deep learning based target detection and classification algorithms, the camera carries out the duty of perimeter protection, monitoring the actions of line crossing, intrusion, region entrance, and region exiting. The algorithms greatly filter out the mistaken alarm caused by the interference of leafs, lights, animal, flag, etc.

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 1/1.8" Progressive Scan CMOS Max. Resolution 2560 × 1440 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 Angle Adjustment Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355° Lens 2.8 to 12 mm, horizontal FOV 107.4° to 39.8°, vertical FOV 56° to 22.4°, diagonal FOV 130.1° to 45.7°	- Specification					
Max. Resolution 2560 × 1440 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 Angle Adjustment Pan: 0' to 355'; tilt: 0' to 75", rotate: 0" to 355" Lens 2.8 to 12 mm, horizontal FOV 107.4" to 39.8", vertical FOV 56" to 22.4", diagonal FOV 117" Focal Length & FOV 130.1" to 45.7" 8 to 32 mm, horizontal FOV 42.5" to 14", vertical FOV 23.4" to 8", diagonal FOV 49.7" to 17" Focus Auto, Semi-auto, Manual Iris Type Prifs Aperture 2.8 to 12 mm: F1.2, 8 to 32 mm: F1.6 DORI D: 149.0 m, 0: 59.1 m, R: 29.8 m, I: 14.9 m 8 to 32 mm: D: 400 m, 0: 158.7 m, R: 80 m, I: 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 50 nm Video 50 Hz: 25 fps (2560 × 1440, 1920 × 1080n 1280 × 720) 60 Hz: 60 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 50 Hz: 25 fps (704 × 480, 640 × 480) <td< td=""><td>Camera</td><td></td></td<>	Camera					
Color: 0.0005 Lux @ (F1.2, AGC ON), B/W: 0.0001 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR with IR	Image Sensor	1/1.8" Progressive Scan CMOS				
Min. Illumination Mith IR Shutter Time 1 sto 1/100,000 s Day & Night R cut filter Angle Adjustment Pan: 0" to 355°,tilt: 0" to 75°, rotate: 0" to 355° Lens Lens 2.8 to 12 mm, horizontal FOV 107.4" to 39.8", vertical FOV 56" to 22.4", diagonal FOV 130.1" to 45.7" 8 to 32 mm, horizontal FOV 42.5" to 14", vertical FOV 23.4" to 8", diagonal FOV 49.7" to 17" Focus Auto, Semi-auto, Manual Iris Type Piris Aperture 2.8 to 12 mm: F1.2, 8 to 32 mm: F1.6 DORI 2.8 to 12 mm: D' 149.0 m, 0: 59.1 m, R: 29.8 m, I: 14.9 m 8 to 32 mm: D' 400 m, 0: 158.7 m, R: 80 m, I: 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 Range Smart Supplement Range Smart Supplement Rang	Max. Resolution	2560 × 1440				
Day & Night IR cut filter Angle Adjustment Pan: 0* to 355*, tilt: 0* to 75*, rotate: 0* to 355* Lens Focal Length & FOV 2.8 to 12 mm, horizontal FOV 107.4* to 39.8*, vertical FOV 56* to 22.4*, diagonal FOV 107.4* to 39.8*, vertical FOV 23.4* to 8*, diagonal FOV 49.7* to 17* Focus Auto, Semi-auto, Manual Iris Type P-lis Aperture 2.8 to 12 mm; F1.2, 8 to 32 mm; F1.6 DORI 2.8 to 12 mm; E1.2, 8 to 32 mm; F1.6 DORI 5.2 to 12 mm; Do. 149.0 m, 0: 158.7 m, R: 29.8 m, I: 14.9 m 8 to 32 mm; Do. 400 m, 0: 158.7 m, R: 80 m, I: 40 m Supplement Light Type Illuminator Supplement Light Type IR Wavelength Yes Supplement Light Range 2.8 to 12 mm; Monitoring: 40 m; 8 to 32 mm; Monitoring: 60 m Smart Supplement Light Range 50 Hz: 50 fps (2560 × 1440, 1920 × 1080 m; 1280 × 720) Studies 50 Hz: 50 fps (2560 × 1440, 1920 × 1080 m; 1280 × 720) Glar Supplement Light Range 50 Hz: 50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 50	Min. Illumination					
Angle Adjustment Pan: 0" to 355", tilt: 0" to 75", rotate: 0" to 355" Lens Focal Length & FOV 2.8 to 12 mm, horizontal FOV 107.4" to 39.8", vertical FOV 56" to 22.4", diagonal FOV 117" at 0.32 mm, horizontal FOV 42.5" to 14", vertical FOV 23.4" to 8", diagonal FOV 49.7" to 17" Focal Length & FOV Auto, Semi-auto, Manual Iris Type P-iris Aperture 2.8 to 12 mm: F1.2, 8 to 32 mm: F1.6 DORI 2.8 to 12 mm: 0: 149.0 m, 0: 59.1 m, R: 29.8 m, I: 14.9 m at 0.2 mm: 12.0 mm. 12.0	Shutter Time	1 s to 1/100,000 s				
Lens 2.8 to 12 mm, horizontal FOV 107.4° to 39.8°, vertical FOV 56° to 22.4°, diagonal FOV 130.1° to 45.7° 8 to 32 mm, horizontal FOV 42.5° to 14°, vertical FOV 23.4° to 8°, diagonal FOV 49.7° to 17° Focus Auto, Semi-auto, Manual Iris Type P-iris Aperture 2.8 to 12 mm: F1.2, 8 to 32 mm: F1.6 DORI 2.8 to 12 mm: Do. 149.0 m, O: 59.1 m, R: 29.8 m, I: 14.9 m 8 to 32 mm: Do. 149.0 m, O: 59.1 m, R: 80 m, I: 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: 50 fps (2560 × 1440, 1920 × 1080m 1280 × 720) Sub-Stream 50 Hz: 50 fps (2560 × 1440, 1920 × 1080m 1280 × 720) Sub-Stream 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 60 Hz: 30 fps (704 × 480, 640 × 480) Fourth Stream: H.265 ht. 264/MJPEG, Fifth Stream: H.265 ht. 264/MJPEG, Fifth stream: H.265 ht.264/MJPEG, Fifth stream: H.265 ht.264/MJPEG, </td <td>Day & Night</td> <td>IR cut filter</td>	Day & Night	IR cut filter				
2.8 to 12 mm, horizontal FOV 107.4" to 39.8", vertical FOV 56" to 22.4", diagonal FOV 130.1" to 45.7" 8 to 32 mm, horizontal FOV 42.5" to 14", vertical FOV 23.4" to 8", diagonal FOV 49.7" to 17" Focus	Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°				
Focal Length & FOV	Lens					
Iris Type P-iris Aperture 2.8 to 12 mm: F1.2, 8 to 32 mm: F1.6 DORI 2.8 to 12 mm: D: 149.0 m, 0: 59.1 m, R: 29.8 m, I: 14.9 m 8 to 32 mm: D: 400 m, 0: 158.7 m, R: 80 m, I: 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 Video Sub-Stream 50 H2: 50 fps (2560 × 1440, 1920 × 1080m 1280 × 720) 60 H2: 50 fps (2560 × 1440, 1920 × 1080m 1280 × 720) 60 H2: 25 fps (704 × 576, 640 × 480) 60 H2: 25 fps (704 × 480, 640 × 480) 60 H2: 25 fps (704 × 480, 640 × 480) 60 H2: 25 fps (704 × 576, 640 × 480) 60 H2: 25 fps (704 × 576, 640 × 480) 60 H2: 25 fps (704 × 576, 640 × 480) 60 H2: 25 fps (704 × 576, 640 × 480) 60 H2: 25 fps (704 × 576, 640 × 480) 60 H2: 25 fps (704 × 576, 640 × 480) 60 H2: 25 fps (704 × 576, 640 × 480) 60	Focal Length & FOV	130.1° to 45.7° 8 to 32 mm, horizontal FOV 42.5° to 14°, vertical FOV 23.4° to 8°, diagonal FOV 49.7° to				
Aperture 2.8 to 12 mm: F1.2, 8 to 32 mm: F1.6 DORI 2.8 to 12 mm:	Focus	Auto, Semi-auto, Manual				
Aperture 2.8 to 12 mm: F1.2, 8 to 32 mm: F1.6 DORI 2.8 to 12 mm:	Iris Type	P-iris				
DORI 2.8 to 12 mm:		2.8 to 12 mm: F1.2, 8 to 32 mm: F1.6				
DORI D: 149.0 m, O: 59.1 m, R: 29.8 m, I: 14.9 m 8 to 32 mm: D: 400 m, O: 158.7 m, R: 80 m, I: 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: 50 fps (2560 × 1440, 1920 × 1080m 1280 × 720) 60 Hz: 60 fps (2560 × 1440, 1920 × 1080m 1280 × 720) 60 Hz: 50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (704 × 480, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 576, 640 × 480) Fifth Stream 50 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 × 480, 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) <td rowspa<="" td=""><td>DORI</td><td></td></td>	<td>DORI</td> <td></td>	DORI				
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 Main Stream 50 Hz: 50 fps (2560 × 1440, 1920 × 1080m 1280 × 720) 60 Hz: 60 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480) Fifth Stream 50 Hz: 25 fps (704 × 576, 640 × 480) Main stream: H.265/H.264/MJPEG, Third stream: H.265/H.264/MJPEG, Third stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG,	DORI	D: 149.0 m, O: 59.1 m, R: 29.8 m, I: 14.9 m 8 to 32 mm:				
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 Main Stream 50 Hz: 50 fps (2560 × 1440, 1920 × 1080m 1280 × 720) 60 Hz: 60 fps (2560 × 1440, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 25 fps (704 × 480, 640 × 480) 60 Hz: 25 fps (704 × 480, 640 × 480) 60 Hz: 25 fps (704 × 480, 640 × 480) Main stream: H.265/H.264/MJPEG, Video Compression Main stream: H.265/H.264/MJPEG, Third stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG,	Illuminator					
Smart Supplement Light Yes IR Wavelength 850 nm Video Main Stream 50 Hz: 50 fps (2560 × 1440, 1920 × 1080m 1280 × 720) 60 Hz: 60 fps (2560 × 1440, 1920 × 1080, 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) Fifth Stream 50 Hz: 25 fps (704 × 576, 640 × 480) Main stream: H.265/H.264/HJPEG, Video Compression Main stream: H.265/H.264/MJPEG, Third stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG,	Supplement Light Type	IR				
IR Wavelength 850 nm Video Main Stream 50 Hz: 50 fps (2560 × 1440, 1920 × 1080m 1280 × 720) Sub-Stream 50 Hz: 25 fps (704 × 576, 640 × 480) 50 Hz: 25 fps (704 × 480, 640 × 480) 60 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: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480) Fifth Stream 50 Hz: 25 fps (704 × 576, 640 × 480) Main stream: H.265/H.264/H.264/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264/MJPEG, Third stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG,	Supplement Light Range	2.8 to 12 mm: Monitoring: 40 m; 8 to 32 mm: Monitoring: 60 m				
Video Main Stream 50 Hz: 50 fps (2560 × 1440, 1920 × 1080m 1280 × 720) 60 Hz: 60 fps (2560 × 1440, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480) 7 Hird 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) 60 Hz: 30 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) Main stream: H.265/H.264/H.264/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG,	Smart Supplement Light	Yes				
Main Stream 50 Hz: 50 fps (2560 × 1440, 1920 × 1080m 1280 × 720) 60 Hz: 60 fps (2560 × 1440, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480) Third Stream 50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480) Fourth Stream 50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480) 60 Hz: 30 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480) Main stream: H.265/H.264/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG,	IR Wavelength	850 nm				
Main Stream 60 Hz: 60 fps (2560 × 1440, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480) Third Stream 50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480) Fourth Stream 50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480) 50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480) Main stream: H.265/H.264/H.264/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG,	Video					
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) 50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480) Main stream: H.265/H.264/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG	Main Stream					
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) 50 Hz: 25 fps (704 × 576, 640 × 480) 50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480) Main stream: H.265+/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG	Sub-Stream					
Fourth Stream 60 Hz: 30 fps (704 × 480, 640 × 480) 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, Third stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG	Third Stream					
Fifth Stream 60 Hz: 30 fps (704 × 480, 640 × 480) Main stream: 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	Fourth Stream					
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	Fifth Stream					
Video Bit Rate 32 Kbps to 8 Mbps	Video Compression	Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth 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 region(s) for each stream				
Target Cropping	Yes				
e-PTZ	Support Preset, Patrol, and Auto Tracking settings				
Audio					
Audio Type	Mono sound				
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC				
	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/44.1 kHz/48 kHz				
Environment Noise Filtering	Yes				
Network					
	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP,				
Protocols	UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SFTP, SRTP				
Simultaneous Live View	Up to 20 channels				
API	Open Network Video Interface (Profile S, Profile G, Profile T),ISAPI,ISUP				
	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				
Client	iVMS-4200,Hik-Connect				
Mah Drouger	Plug-in required live view: IE10, IE11,				
Web Browser	Plug-in free live view: Chrome 57.0+, Firefox 52.0+				
	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				
Image Settings	Saturation, brightness, contrast, sharpness, AGC, white balance, adjustable by client				
image settings	software or web browser				
Day/Night Switch	Day, Night, Auto, Schedule, Alarm Trigger				
Wide Dynamic Range (WDR)	140 dB				
Image Enhancement	BLC, HLC, 3D DNR, Defog, EIS				
Privacy Mask	8 programmable polygon privacy masks, mask color or mosaic configurable				
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format.				
Interface					
Video Output	1 Vp-p Composite Output (75 Ω/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 256 GB				



Built-in Microphone	Yes,2 built-in microphone(s)				
Built-in Speaker	Max. power consumption: 1.5 W, max. sound pressure level: 98 dB, speaker range: 10 m				
	1 input (line in), 3.5 mm connector, three-contact, max. input amplitude: 3.3 Vpp,				
Audio	input impedance: 4.7 K Ω , interface type: non-equilibrium,				
Addio	1 output (line out), 3.5 mm connector, three-contact, max. output amplitude: 3.3 Vpp,				
	output impedance: 100 Ω , interface type: non-equilibrium, mono sound				
Alarm	2 input(s), 2 output(s) (max. 24 VDC/24 VAC, 1 A)				
RS-485	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, network disconnected, IP address conflict, illegal				
	login, HDD full, HDD error, video quality diagnosis, vibration detection				
	Line crossing detection, intrusion detection, region entrance detection, region exiting				
Smart Event	detection (support alarm triggered by specified target types (human and vehicle)),				
	scene change detection, audio exception detection, defocus detection				
	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm				
Linkage	output, trigger recording, trigger capture				
Deep Learning Function	1 7 66 67 1				
0	Supports simultaneous detection and capture of human body, face, and vehicle,				
	Gets 7 face features,				
Multi-target-type Detection	Gets 13 human body features,				
	Gets 2 vehicle features				
	Detects up to 60 faces simultaneously,				
Face Capture	Supports swing left and right from -60° to 60°, tilt up and down from -30° to 30°,				
race captare	Uploads face with background and closed-up face pictures				
	Up to 10 face libraries. 30,000 faces for each library. 150,000 faces in total. ,				
	Face comparison speed up to 60 per frame.,				
Face Comparison	Recognizes face identity via face modeling, grading and comparing to those in face				
race companson	library,				
	Supports face library encryption				
	Intrusion detection, line crossing detection, region entrance detection, region exiting				
Metadata	detection, face capture				
General	detection, race capture				
General	13 VDC L 250/ 0.07 A resp. 11.43 W. three some townsized block resource relevity.				
	12 VDC ± 25%, 0.97 A, max. 11.43 W, three-core terminal block, reverse polarity				
Power	protection,				
	24 VAC ± 25%, 0.73 A, max. 10.67 W,				
Makarial	PoE: 802.3at, Type 2, Class 4, 42.5 V to 57 V, 0.19 A to 0.28 A, max. 11.92 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. 990 g (2.0 lb.)				
With Package Weight	Approx. 1425 g (3.1 lb.)				
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)				



	-30 °C to 60 °C (-22 °F to 140 °F).				
Startup and Operating Conditions	With heater model (-H): -40 °C to 60 °C (-40 °F to 140 °F).				
	Humidity 95% or less (non-condensing)				
	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, watermark				
Cable Length	0.25 m (0.8 ft.)				
Approval					
	FCC: 47 CFR Part 15, Subpart B,				
	CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN				
EMC	50130-4: 2011 +A1: 2014, EN50121-4				
EIVIC	RCM: AS/NZS CISPR 32: 2015,				
	IC: ICES-003: Issue 7,				
	KC: KN32: 2015, KN35: 2015				
	UL: UL 62368-1,				
	CB: IEC 62368-1: 2014+A11,				
Safety	CE-LVD: EN 62368-1: 2014/A11: 2017,				
	BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005,				
	LOA: IEC/EN 60950-1				
Environment	CE-RoHS: 2011/65/EU,				
	WEEE: 2012/19/EU,				
	Reach: Regulation (EC) No 1907/2006				
Protection	IP67: IEC 60529-2013,IK10: IEC 62262:2002				
Anti-Corrosion Protection	-Y: NEMA 4X (NEMA 250-2018)				
Other	PVC FREE				

Available Model

iDS-2CD7146G0-IZS (D) (2.8 to 12 mm, 8 to 32 mm) iDS-2CD7146G0-IZHSY (D) (2.8 to 12 mm, 8 to 32 mm)



Typical Application

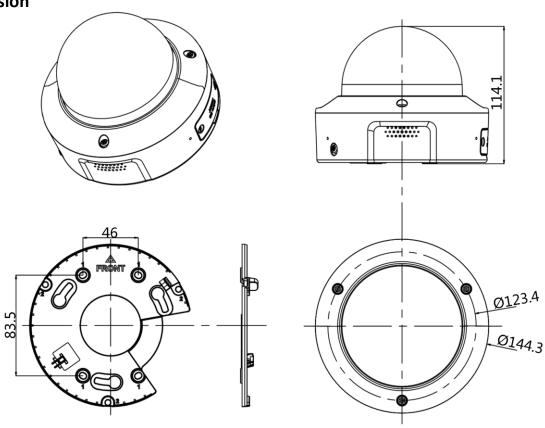
Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

-Y model: This model has MODERATE PROTECTION.

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

Level	Description			
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion			
	protection is a must. Typical application scenarios include coastlines, docks, chemical plants,			
	and more.			
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion			
	demands. Typical 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 areas where no specific anti-corrosion			
	protection is needed.			

Dimension



Unit: mm



Accessory

Optional

DS-1273ZJ-160	DS-1476ZJ-Y	DS-1227ZJ-DM32	DS-1475ZJ-SUS	DS-1476ZJ-SUS
Wall Mount	Corner Mount	In-Ceiling Mount	Vertical Pole Mount	Corner Mount
DS_1/7571_V	DS_12717_160	DS-127371-160-AKS		



^{*}Bracket model with -Y or -AKS supports anti-corrosion protection.

Distributed by

HIKVISION°

Headquarters

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

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

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

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

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

Hikvision Thailand T +662-275-9949 sales.thailand@hikvision.com Hikvision Europe T +31-23-5542770 sales.eu@hikvision.com

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

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

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

Hikvision Malaysia T+601-7652-2413 sales.my@hikvision.com Hikvision UK & Ireland T +01628-902140 sales.uk@hikvision.com

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

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

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

Hikvision Vietnam T +84-974270888 sales.vt@hikvision.com Hikvision UAE T +971-4-4432090 salesme@hikvision.com

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

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

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

Hikvision Hong Kong T +852-2151-1761 info.hk@hikvision.com Hikvision Russia T +7-495-669-67-99 saleru@hikvision.com

Hikvision Korea T +82-[0]31-731-8817 sales.korea@hikvision.com

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

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

Hikvision Colombia sales.colombia@hikvision.com

© Hikvision Digital Technology Co., Ltd. 2020 | Data subject to change without notice |