

## DS-2CD7146G0-IZS/8

4 MP Indoor Varifocal Network Dome Camera

**DarkFighter™**



**LightFighter**

**DeepinView<sup>series</sup>**

- 1/1.8" (4 MP) Progressive Scan CMOS
- Up to 2560 x 1440 Resolution @ 30 fps
- Human, Vehicle, and Face Detection
- EXIR 2.0 with up to 100 ft (30 m) or 165 ft (50 m) IR Range
- 2.8 to 12 mm or 8 to 32 mm Motorized Varifocal Lens Options
- Ultra-Low Light, 0.002 Lux (with f/1.2 Lens), Darkfighter Technology
- H.265+, H.265, H.264+, H.264
- 140dB WDR, Lightfighter Technology
- Alarm/Audio Input/Output
- 12 VDC Accessory Output
- MicroSD Card Slot Supports 256 GB
- IK10 Protection
- Dome has Anti-Reflective Coating
- 12 VDC and PoE (802.3af)

The Hikvision DS-2CD7146G0-IZS/8 DeepinView Indoor Varifocal Network Dome Camera includes deep learning technology for human, vehicle, and face detection. It supports H.265+ video compression, which assures savings in bandwidth and storage. Darkfighter technology allows for viewing and recording in ultra low-light conditions.

With a WDR of 140dB and Lightfighter technology, it provides superb image quality.

The camera can be equipped with 2.8 to 12 mm or 8 to 32 mm motorized varifocal lenses, and offers an EXIR 2.0 IR range of up to 100 ft (30 m) or 165 ft (50 m).

Smart features, such as line crossing, intrusion, scene change detection, and other event detection capabilities.

### Available models:






DS-2CD7146G0-IZS  
DS-2CD7146G0-IZS8



# Specifications

DS-2CD714660-IZS		DS-2CD714660-IZS8
Camera		
Image Sensor	1/1.8" [4 MP] progressive scan CMOS	
Minimum Illumination	Color: 0.002 lux @ (f/1.2, AGC on), 0.005 lux @ (f/1.8, AGC on), 0 lux with IR	
Shutter Speed	1s to 1/100,000 s	
Slow Shutter	Yes	
Day/Night	IR cut filter	
Digital Noise Reduction	3D DNR	
WDR	140dB	
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	
Lens		
Focal Length	2.8 mm to 12 mm motorized varifocal lens	8 mm to 32 mm motorized varifocal lens
Aperture	f/1.2	f/1.8
Focus	Auto, semi-auto, manual	
FOV	2.8 to 12 mm, horizontal FOV 109.2° to 38.9°, vertical FOV 56.2° to 21.9°, diagonal FOV 134.5° to 45°	8 to 32 mm, horizontal FOV 37.7° to 15.2°, vertical FOV 21° to 8.6°, diagonal FOV 43.3° to 17.24°
Lens Mount	Integrated	
IR		
IR Range	100 ft (30 m)	165 ft (50 m)
Wavelength	850 nm	
Compression Standard		
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.265/H.264+/H.264/MJPEG	
H.264 Type	Baseline profile/main profile/high profile	
H.264+	Main stream supported	
H.265 Type	Main profile	
H.265+	Main stream supported	
Video Bit Rate	32 Kbps to 16 Mbps	
Scalable Video Coding (SVC)	H.264 and H.265 encoding	
Smart-Feature Set		
Human and Vehicle Detection	Line crossing, intrusion, region entrance, and region exiting. Supports alarm triggering by specified target types (human and vehicle). Filters out mistaken alarms caused by target types, such as leaves, lights, animals, flags, etc.	
Event Detection	Unattended baggage detection, object removal detection, scene change detection, defocus detection, and audio exception detection	
Face Detection and Capture	Face detection performance: up to 30 faces per frame. Face capture alarm frequency: up to 21 times per second. Detectable face position: left and right swings from -65° to 65°, up and down tilts from -45° to 45°.	
Statistics	Counting	
Face Detection	Yes	
Region of Interest	Main stream/sub stream/third stream/fourth stream/fifth stream: four fixed regions and dynamic face tracking for each stream.	
Image		
Maximum Resolution	2560 × 1440	
Main Stream	30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)	
Sub Stream	30 fps (704 × 480, 640 × 480)	
Third Stream	30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)	
Fourth Stream	30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)	
Fifth Stream	30 fps (704 × 480, 640 × 480)	
Custom Stream	30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480); up to 5 custom streams are supported	
Image Enhancement	BLC, HLC, defog, 3D DNR, EIS, lens distortion correction	
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser	
Target Cropping	Yes	
SVC	H.264 and H.265 encoding	
Day/Night Switch	Day/night/auto/schedule/triggered by alarm in	
Picture Overlay	Logo picture can be overlaid on video with a 128 × 128 24-bit bmp format	
Network		
Network Storage	Supports microSD/SDHC/SDXC card (256 GB) local storage, NAS (NFS,SMB/CIFS), and ANR	
Alarm Trigger	Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error	
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	
Security Measures	Password protection, HTTPS encryption, IEEE 802.1x port-based network access control, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF	
General Function	One-key reset, anti-flicker, five streams and up to 5 custom streams, heartbeat, password protection, privacy mask, watermark, IP address filter	
API	ONVIF (PROFILE S, PROFILE G), ISAPI, SDK	
Simultaneous Live View	Up to 20 channels	
User/Host	Up to 32 users. 3 user levels: administrator, operator and user	
Client	iVMS-4200, Hik-Connect, Hik-Central	
Web Browser	Plug-in required for live view: IE 8-11, Chrome 41-44, Mozilla Firefox 30.0-51, Safari 8.0+	
	Plug-in free live view: Chrome 45+, Mozilla Firefox 52+	
Interface		
Audio	One-ch 3.5 mm input (line in), one-ch 3.5 mm output (line out), mono sound	
Communication Interface	One-port RJ45 10M/100M/1000M Ethernet port; one RS-485 interface (half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)	
Alarm	One input, one output (up to 24 VDC/VAC 1A)	
Video Output	One Vp-p composite output (75 Ω/CVBS)	
Power Output	12 VDC, maximum 200 mA	
On-Board Storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB	
Interface Style	Socket style interface	
Audio		
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM	
Audio Bit Rate	64 Kbps [G.711]/16 Kbps [G.722.1]/16 Kbps [G.726]/32 to 192 Kbps [MP2L2]/32 Kbps [PCM]	
Environmental Noise Filtering	Yes	
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz	
General		
Operating Conditions	-22° F to 140° F [-30° C to 60° C], humidity: 95% or less (non-condensation)	
Power Supply	12 VDC ± 20%, terminal block; PoE (802.3af, class 3)	
Power Consumption and Current	12 VDC, 0.8 A, max. 12.5 W; PoE (802.3af, 36 V to 57 V), 0.2 A to 0.3 A, class 3	
Protection	IK10	
Material	Aluminum alloy	
Dimensions	Φ 5.5" x 4.8" [Φ 140.5 mm x 122.6 mm]	
Weight	Approximately 2.09 lbs (950 g)	

# Accessories

						
<b>WML + PC130</b> Wall Mount Long + 130 mm Pendant Cap	<b>CPM + PC130</b> Ceiling Pendant Mount + 130 mm Pendant Cap	<b>CPME</b> Ceiling Pendant Mount Extension Pipe	<b>RCM-1</b> Recessed Ceiling Mount	<b>CM</b> Corner Mount	<b>AB135</b> 15° Angled Base	<b>PM</b> Pole Mount

# Dimensions

