iDS-2CD8V886G0/X4-XZHS(Y)
8MP DeepinView Quad-Lens Omni Camera

DeepinView series

DarkFighter2.0

4K | **PT** | **140dB WDR** | **H.265+** | IP67

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.

- Excellent low-light performance via DarkFighter2.0 technology
- Intelligent functions based on deep learning in various scenarios
- High quality imaging with 8 MP resolution in channel 1/3 and 4 MP resolution in channel 2/4
- Clear imaging against strong back light due to 140 dB WDR technology
- Efficient H.265+ compression technology to save bandwidth and storage
- Adopt 4-channel design with motorized PT, pan -10° to 190°, tilt -5° to 25°
- Capture vehicles and humans of different speed clearly via ShotN technology
- Built-in power meter for historical power statistics
- Intrusion-triggered lighting to achieve carbon neutrality and energy saving
- Support wiper for window cleaning and built-in heater to ensure clear image
- Water and dust resistant (IP67) and corrosion resistant (NEMA 4X)

▪ Specification

Camera	
Image Sensor	Channel 1: 1/1.2" Progressive Scan CMOS,
	Channel 2: 1/1.8" Progressive Scan CMOS,
	Channel 3: 1/1.2" Progressive Scan CMOS,
	Channel 4: 1/1.8" Progressive Scan CMOS
Max. Resolution	Channel 1: 3840 × 2160,
	Channel 2: 2560 × 1440,
	Channel 3: 3840 × 2160,
	Channel 4: 2560 × 1440
Min. Illumination	Channel 1:
	Color: 0.0005 Lux @ (F1.2, AGC ON), 0 Lux with Light
	B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR
	Channel 2:
	Color: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light
	B/W: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with IR
	Channel 3:
	Color: 0.0005 Lux @ (F1.2, AGC ON), 0 Lux with Light
	B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR
	Channel 4:
	Color: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light
	B/W: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with IR
Shutter Time	1 s to 1/100,000 s
Day & Night	Channel 1: IR cut filter, Blue glass module to reduce ghost phenomenon,
	Channel 2: IR cut filter, Blue glass module to reduce ghost phenomenon,
	Channel 3: IR cut filter, Blue glass module to reduce ghost phenomenon,
	Channel 4: IR cut filter, Blue glass module to reduce ghost phenomenon
Angle Adjustment	Channel 1: Pan: -10° to 190°, tilt: -5° to 25°,
	Channel 2: Pan: 0° to 180°, tilt: -5° to 25°,
	Channel 3: Pan: -10° to 190°, tilt: -5° to 25°,
	Channel 4: Pan: 0° to 180°, tilt: -5° to 25°
Lens	
Lens Type	Channel 1: Varifocal lens, manual adjustment, 10 to 50 mm,
	Channel 2: Fixed focal lens, 4 mm,
	Channel 3: Varifocal lens, manual adjustment, 10 to 50 mm,
	Channel 4: Fixed focal lens, 4 mm
Focal Length & FOV	Channel 1: 10 to 50 mm, horizontal FOV 36.1° to 13.1°, vertical FOV 20.3° to 7.3°, diagonal FOV 41.8° to 14.9°
	Channel 2: 4 mm, horizontal FOV 85.2°, vertical FOV 45.2°, diagonal FOV 101.7°
	Channel 3: 10 to 50 mm, horizontal FOV 36.1° to 13.1°, vertical FOV 20.3° to 7.3°, diagonal FOV 41.8° to 14.9°
	Channel 4: 4 mm, horizontal FOV 85.2°, vertical FOV 45.2°, diagonal FOV 101.7°
Focus	Auto,Semi-auto,Manual
Min. Focus Distance	Channel 1/3: 1.5 m
	Channel 2/4: 3 m
Iris Type	DC iris

Aperture	Channel 1: F1.6, Channel 2: F1.0, Channel 3: F1.6, Channel 4: F1.0
Depth of Field	Channel 1: 3.1 m to ∞ Channel 2: 3.1 m to ∞ Channel 3: 3.1 m to ∞ Channel 4: 3.1 m to ∞
PTZ	
Movement Range (Pan)	Channel 1/Channel 3: Pan: -10° to 190° Channel 2/Channel 4: Pan: 0° to 180°
Movement Range (Tilt)	Channel 1/Channel 3: Tilt: -5° to 25° Channel 2/Channel 4: Tilt: -5° to 25°
Pan Speed	Pan speed: configurable from 0.1° to 5°/s, preset speed: 2.5°/s
Tilt Speed	Tilt speed: configurable from 0.1° to 5°/s, preset speed 2.5°/s
DORI	
DORI	Fixed lens: D: 72.1 m, O: 28.6 m, R: 14.4 m, I: 7.2 m Varifocal lens: Wide: D: 150.3 m, O: 59.7 m, R: 30.1 m, I: 15 m Tele: D: 662.1 m, O: 262.7 m, R: 132.4 m, I: 66.2 m
Illuminator	
Supplement Light Type	IR,White Light,Hybrid (IR and White Light)
Supplement Light Range	Channel 1/3: up to 100 m Channel 2/4: up to 30 m
Supplement Light Number	10
Smart Supplement Light	Yes
IR Wavelength	850 nm
Video	
Main Stream	Channel 1 & Channel 3: 50 Hz: 25 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) Channel 2 & Channel 4: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Sub-Stream	Channel 1 & Channel 3: 50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480) Channel 2 & Channel 4: 50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480)
Third Stream	Channel 1 & Channel 3: 50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480) Channel 2 & Channel 4: 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	Channel 1 & Channel 3: 50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480) Channel 2 & Channel 4: 50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480)
Fifth Stream	Channel 1 & Channel 3: 50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480) Channel 2 & Channel 4: 50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480)
Video Compression	Main stream: H.265+/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
Video Bit Rate	Channel1/3: 32 Kbps to 16 Mbps, Channel2/4: 32 Kbps to 8 Mbps
H.264 Type	Baseline Profile,High Profile,Main 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
Audio	
Audio Type	Mono sound
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
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 48 Kbps (PCM)/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	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, ISUP, ARP, WebSocket, WebSockets
Simultaneous Live View	Up to 20 channels
API	ONVIF (Profile S, Profile G, Profile T, Profile M),ISAPI,SDK,ISUP
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 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

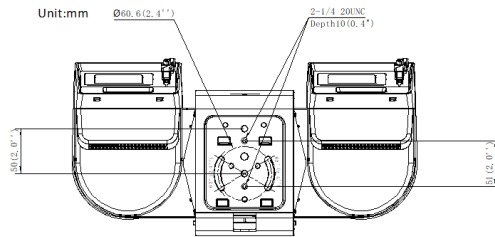|	
Network Storage	NAS (NFS, SMB/CIFS),Auto Network Replenishment (ANR),CVR,NVR, Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Client	iVMS-4200,Hik-Connect
Web Browser	Plug-in required live view: IE 10, IE 11, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Safari 13+, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
Image	
Image Parameters Switch	Yes
Image Settings	Rotate mode,saturation,brightness,contrast,sharpness,gain,white balance,AGC,adjustable by client 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,Distortion Correction
Privacy Mask	8 programmable polygon privacy masks
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format.
Satellite Positioning	
Satellite Positioning Detection	GPS
Interface	
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 512 GB
Built-in Microphone	Yes, 2 built-in microphones
Built-in Speaker	Yes, 1 built-in speaker,Max. power consumption: 3 W, max. sound pressure level: 10 cm: 95 dB.
Audio	2 inputs (line in), 1 output (line out), 3.5 mm connector, 2 channels
Alarm	3 inputs, 2 outputs (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	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)),video tampering alarm,exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error, abnormal restart),alarm input and output,video quality diagnosis,vibration detection
Smart Event	Unattended baggage detection, object removal detection,scene change detection,audio exception detection,defocus detection
Linkage	Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger alarm output,trigger recording,trigger capture,audible warning,white light flashing
Deep Learning Function	
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle)

Multi-target-type Detection	Detects up to 30 targets simultaneously,Supports simultaneous detection and capture of human body, face and vehicle, Gets 7 face features, Gets 13 human body features, Gets 2 vehicle features
Face Capture	Detects up to 120 faces simultaneously, Supports swing left and right from -60° to 60°, tilt up and down from -30° to 30°, Uploads face with background and closed-up face pictures
Face Comparison	Up to 10 face libraries. 30,000 faces for each library. 150,000 faces in total, Supports face library encryption, Only channel 1/3 supports
Metadata	Intrusion detection,line crossing detection,region entrance detection,region exiting detection,face capture,multi-target-type detection
General	
Power	36 VDC ± 20%, 1.56 A, max. 56.12 W,two-core terminal block
Material	Plastics and metal
Dimension	385.2 mm × 193.6 mm × 262.5 mm (15.2" × 7.6" × 10.3")
Package Dimension	490 mm × 280 mm × 343 mm (19.3" × 11" × 13.5")
Weight	Approx. 6660 g (14.7 lb.)
With Package Weight	Approx. 8835 g (19.5 lb.)
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)
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	Heartbeat,mirror,flash log,password reset via email,pixel counter,password protection,one-key reset,anti-banding
Heater	Yes
Wiper	Yes
Demist	Yes
Flashing Light	White Light
Approval	
EMC	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, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7, KC: KN32: 2015, KN35: 2015
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

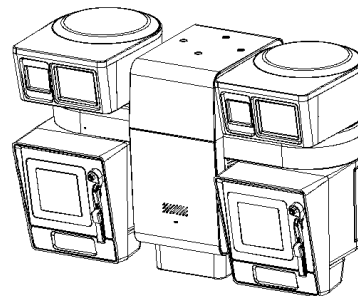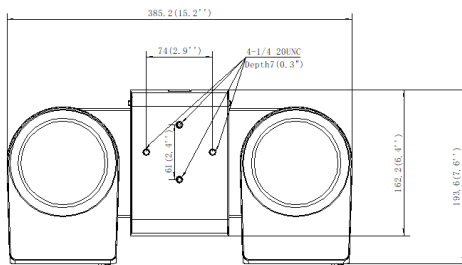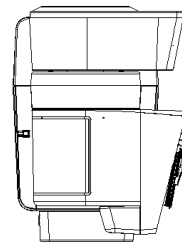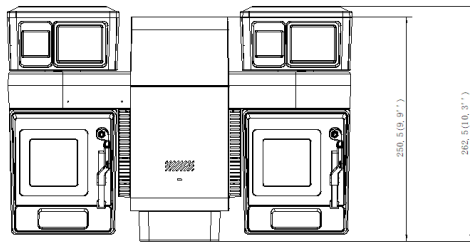| Anti-Corrosion Protection	-Y: NEMA 4X (NEMA 250-2018)
Other	PVC FREE

▪ Available Model

iDS-2CD8V886G0/X4-XZHSY(1050/1050)

▪ Dimension

Camera Mounting Hole (mm)	Camera Mounting Hole (inch)
2-1/4-20UNC	2-1/4-20UNC

▪ **Accessory**

▪**Optional**

DS-1662ZJ-P Pendant Mount	DS-2115ZJ-P Vertical pole mount	DS-4274ZJ-PAY Anti-Corrosion Pendant Mount Adapter Ring	DS-2204ZJ-PAY1 Anti-Corrosion Wall Mount

See Far, Go Further

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