

DS-2CD6445G3-C2(W) 4MP DeepinView Separated Network Camera



- High quality imaging with 4 MP resolution
- Clear imaging against strong back light due to WDR technology
- Supports Hikvision Embedded Open Platform (HEOP) and importing third party applications
- Supports 4 Tops computing power, 150 MB system memory, 2150 MB smart RAM, and 1 GB eMMC storage for sharing resources
- Audio and alarm interface available

▪ Specification

Model		DS-2CD6445G3-C2(W)
Camera	Image Sensor	1/2.7" Progressive Scan CMOS
	Max. Resolution	2688 × 1520
	Min. Illumination	Color: 0.005 Lux @ (F1.2, AGC ON)
	Shutter Time	1 s to 1/100,000 s
Lens	Focal Length & FOV	L30 model: 2 mm, Horizontal FOV:128°, Vertical FOV:75°, Diagonal FOV:147° 2.8 mm, Horizontal FOV:104°, Vertical FOV:58°, Diagonal FOV:122° 4 mm, Horizontal FOV:78°, Vertical FOV:43°, Diagonal FOV:93°
	Lens Mount	L30: M12
	Iris Type	Fixed
	Aperture	F2.0
DORI	OODPCVS	2 mm: Overview: 56.8 m, Outline: 28.4 m, Discern: 14.2 m, Perceive: 9.1 m, Characterize: 4.5 m, Validate: 2.3 m, Scrutinize: 0.8 m. 2.8 mm: Overview: 74.8 m, Outline: 37.4 m, Discern: 18.7 m, Perceive: 12 m, Characterize: 6 m, Validate: 3 m, Scrutinize: 1 m. 4 mm: Overview: 99.5 m, Outline: 49.8 m, Discern: 24.9 m, Perceive: 15.9 m, Characterize: 8 m, Validate: 4 m, Scrutinize: 1.3 m. The OODPCVS values are calculated using pixel densities for different use cases as recommended by the IEC/EN 62676-4:2025 standard. IEC 62676-4:2025 describes the planning, design, installation, testing, commissioning, and maintaining of video surveillance systems (VSS) comprising image capture device(s), interconnection(s) and image handling device(s), for use in security applications within private or public spaces.
HEOP	Open Resources	Memory: 150 MB, Smart RAM: 2150 MB, eMMC: 1 GB
	Computing Power	4 TOPS
	Open Capability	NA
	Deep Learning Structure	Caffe, PyTorch, TensorFlow
	Programming Language	C, C++
AI Open Platform	Model Specification	1. Up to 3 models. Model type: detection model, classification model, mixed model (detection model and classification model). 2. Supports video analysis (detection, classification, mixed, OCR, segmentation, comparison) and scheduled capture analysis (classification). (1) Detection: Region target exception status detection, line crossing target detection, line crossing target counting, region target number counting, full analysis rule, combined rule, area overlap ratio counting, area overlap ratio exception detection. (2) Classification: Region exception status detection, full analysis rule.

		(3) Mixed: Region target exception status detection, line crossing target detection, line crossing target counting, region target number counting, full analysis rule, combined rule; area overlap ratio counting, area overlap ratio exception detection. (4) Picture Comparison: Area status change detection. (5) OCR: OCR-triggered capture. (6) OVD: Region target exception status detection, line crossing target detection, line crossing target counting, region target number counting, full analysis rule, combined rule, area overlap ratio counting, area overlap ratio exception detection. 3. Supports 4 model packages, each capable of detecting 16 target types and classifying 4 targets. The targets can be classified as 64 types. The device runs only 1 model at the same time. 4. Built-in models for PPE detection (hard hat and reflective clothing).
Video	Main Stream	50 Hz: 25 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 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)
	Video Compression	Main stream: H.264/H.265+/H.264+/H.265, Sub-stream: H.264/MJPEG/H.265, Third stream: H.264/H.265
	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)	8 fixed regions for each stream
	Target Cropping	Yes
Audio	Audio Type	Mono sound
	Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC/MP3
	Audio Bit Rate	64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)/8 to 320 Kbps (MP3)
	Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
	Environment Noise Filtering	Yes
Network	Protocols	WebSockets, NTP, DHCP, WebSocket, UDP, RTSP, ICMP, IPv6, TCP/IP, IGMP, QoS, HTTPS, IPv4, HTTP, SSL/TLS, DNS, FTP, SFTP, RTP
	Simultaneous Live View	Up to 20 channels
	API	Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP, OTAP, EZVIZ
	User/Host	Up to 32 users

		3 user levels: administrator, operator, and user
	Network Storage	NAS (NFS, SMB/CIFS)
	Client	iVMS-4200,Hik-Connect
	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 1.1/1.2/1.3, host authentication (MAC address)
	Web Browser	Plug-in required live view: IE11, Plug-in free live view: Safari 12+, Local service: Chrome 57.0+, Firefox 52.0+
Wi-Fi	Encryption Mode	With -W: 64/128-bit WEP, WPA-EAP/WPA2-EAP, WPA-PSK/WPA2-PSK, WPS
	Wi-Fi Protocol	With -W: IEEE802.11a,IEEE802.11b,IEEE802.11ax,IEEE802.11g,IEEE802.11n,IEEE802.11ac
	Frequency Range	With -W: 2.4 GHz to 2.4835 GHz; 5.150 GHz to 5.850 GHz;
	Channel Bandwidth	With -W: 20MHz,40MHz
Image	Image Parameters Switch	Yes
	Image Settings	gain,saturation,brightness,sharpness,white balance,contrast,adjustable by client software or web browser
	Wide Dynamic Range (WDR)	Digital WDR
	Image Enhancement	BLC,HLC,3D DNR
	Privacy Mask	Yes
	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 1024 GB
	Audio	1 input (line in), 1 output (line out)
	Alarm	2 input, 1 output (max. 12 VDC, 30 mA)
	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
	Smart Event	Scene change detection,audio exception detection,defocus detection, Face detection

	Linkage	audible warning, Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, trigger capture
Deep Learning Function	Face Capture	Detects up to 120 faces simultaneously, captures up to 40 face pictures per frame simultaneously and uploads up to 10 face pictures per second, Supports swing left and right from -70° to 70°, tilt up and down from -50° to 50°, 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, Supports face library encryption
	People Counting	Supports Multi-Dimension People Counting, Supports counting, displaying and exporting the people flow data of entering, exiting and passing by (The data is stored in the flash.), Supports real-time uploading and uploading by statistic cycle, Supports generating daily, weekly, monthly or annually reports, Supports dynamic deduplication based on face picture comparison, and can filter out the target with the same custom face pictures, same attributes, or filter out repeated invalid targets within the set time interval, Supports face feature deduplication, Supports people flow data replenishment, Reverse counting alarm will be triggered when the target leaves the detection area in the direction opposite to the set direction
	Queue Management	Supports up to 8 detection regions, and independent arming schedule and linkage method Supports 2 detection modes: regional people queuing-up, waiting time detection Generates reports to compare the efficiency of different queuing-ups and display the changing status of one queue Supports raw data export for further analysis Supports real-time data uploading and scheduled data uploading Regional people queuing-up: supports 4 alarm trigger conditions, including greater than threshold, less than threshold, equal to threshold, not equal to threshold Waiting time detection: supports 1 alarm trigger condition, including greater than threshold Supports combined rule settings for Regional People Counting and Waiting Time Detection. Mode 1: Alarm can be independently triggered if any one of the event alarm conditions is met. Mode 2: Alarm can be triggered only when the number of people meets the alarm threshold and at least one person's waiting time meets the threshold.
	Gaze Detection	Max. detection distance: 5 m, Max. detection target number: 30, Supports 1 rule area(s), Supports 4 shield region(s)
General	Power	12 VDC $\pm$ 20%, 0.92 A, max. 11 W, PoE: IEEE 802.3af, Class 3, max. 12.9 W
	Material	Main body: Aluminum Alloy
	Dimension	135 mm $\times$ 108 mm $\times$ 30.4 mm (5.32" $\times$ 4.25" $\times$ 1.2")
	Package Dimension	252 mm $\times$ 160 mm $\times$ 95 mm (9.92" $\times$ 6.3" $\times$ 3.74")
	Weight	Approx. 460 g (1.01 lb.)
	With Package	Approx. 1100 g (2.43 lb.)

	Weight	
	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)
	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, password protection, one-key reset
	Length of Lens Cable	2 and 8 m (6.6 and 26.2 ft.)
Approval	EMC	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 50130-4: 2011 +A1: 2014, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7, KC: KN32: 2015, KN35: 2015
	Safety	CB: IEC 62368-1: 2014+A11, 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

▪ Typical Application

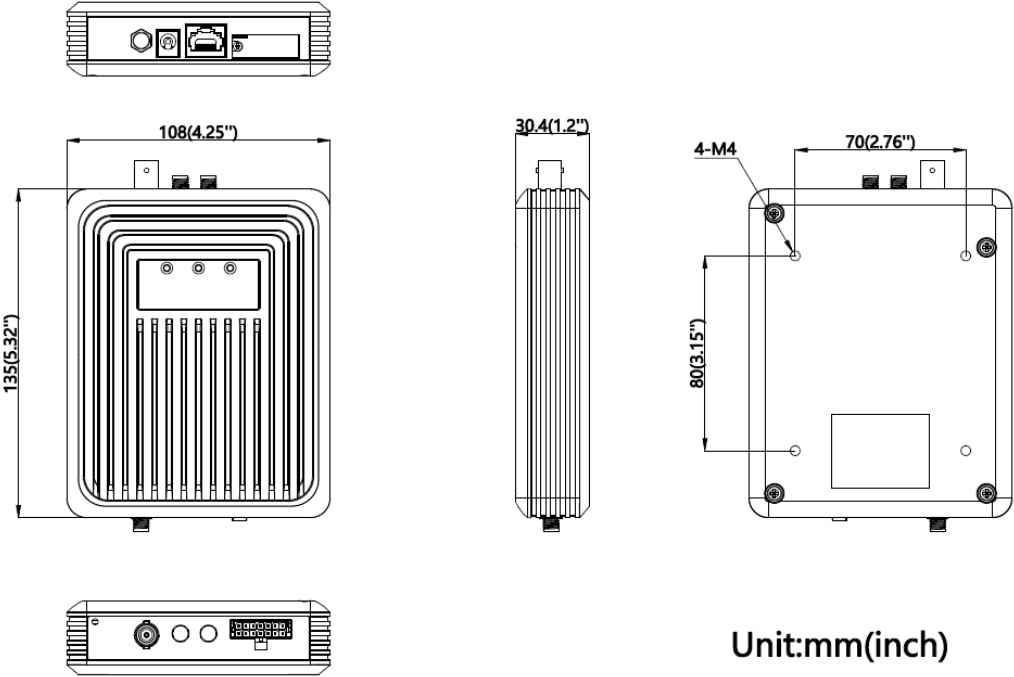
Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

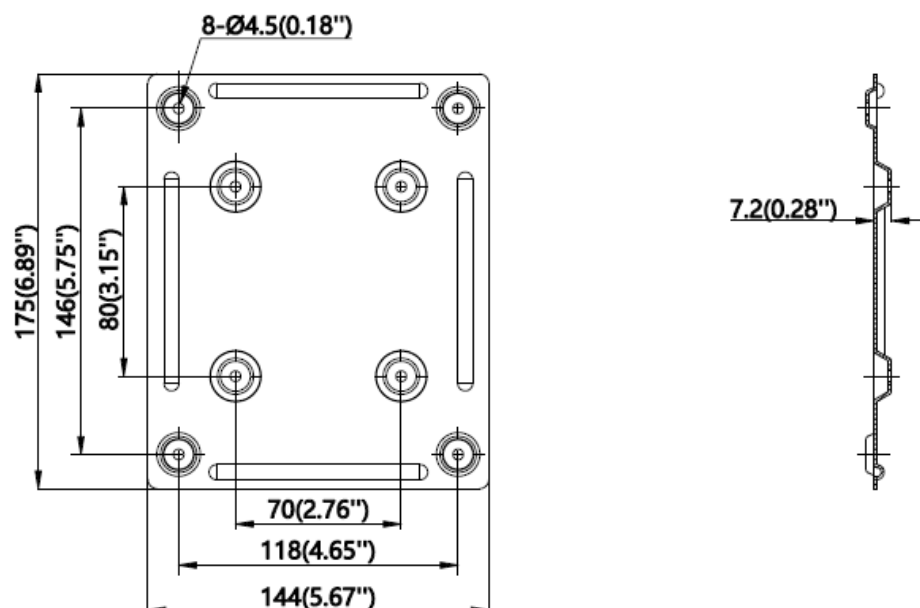
Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped 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



Camera Mounting Hole (mm)
M4*4



Unit:mm(inch)

Camera Mounting Hole
(mm)

Ø 4.5(0.18")*8

- Accessory
- Optional

DS-2CD6445G1-L30
Separated Network
Camera(Lens)



See Far, Go Further



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