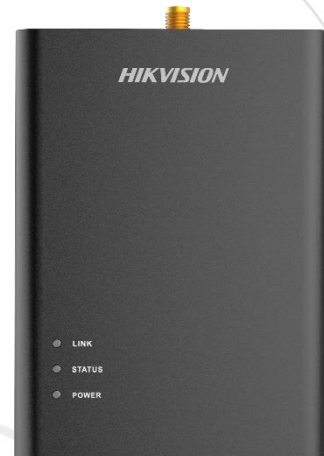# HIKVISION®

DS-2CD6425G2-C1
2 MP Separated Network Camera

- Supports Hikvision Embedded Open Platform (HEOP) and importing third party applications
- Supports 4 Tops computing power, 60 MB system memory, 375 MB smart RAM, and 2 GB eMMC storage for sharing resources
- High quality imaging with 2 MP resolution
- Efficient H.265+ compression technology to save bandwidth and storage
- Clear imaging against strong back light due to 120 dB true WDR technology
- Audio and alarm interface available
- 3D DNR technology delivers clean and sharp images

▪ Specification

Camera	
Image Sensor	1/2.7" Progressive Scan CMOS
Max. Resolution	1920 × 1080
Min. Illumination	Color: 0.005 Lux @ (F1.2, AGC ON)
Shutter Time	1 s to 100,000 s
Lens	
Focal Length & FOV	L10 model: 3.7 mm, horizontal FOV 77.5°, vertical FOV 39.4°, diagonal FOV 94.1° L20 model: 2.8 mm, horizontal FOV 93.8°, vertical FOV 51.7°, diagonal FOV 109.3° 3.7mm, horizontal FOV 77.5°, vertical FOV 39.4°, diagonal FOV 94.1° L30 model: 2.8 mm, horizontal FOV 109.0°, vertical FOV 60.0°, diagonal FOV 128.3° 4 mm, horizontal FOV 82.8°, vertical FOV 45.1°, diagonal FOV 98°
Lens Mount	L10/L20: Mini; L30: M12
Iris Type	Fixed
Aperture	F2.0
DORI	
DORI	L10/L20: 2.8 mm: D: 47.9 m, O: 19 m, R: 9.6 m, I: 4.8 m 3.7 mm: D: 59.3 m, O: 23.5 m, R: 11.9 m, I: 5.9 m L30: 2.8 mm: D: 41 m, O: 16 m, R: 8 m, I: 4 m 4 mm: D: 55.2 m, O: 21.9 m, R: 11 m, I: 5.5 m
HEOP	
Open Resources	Memory: 60 MB, Smart RAM: 375 MB, eMMC: 2 GB
Computing Power	4 TOPS
Deep Learning Structure	Caffe, PyTorch, TensorFlow
Programming Language	C, C++
Video	
Main Stream	50 Hz: 50 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 60 fps (1920 × 1080, 1280 × 960, 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 × 960, 1280 × 720, 704 × 576, 640 × 480) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480)
Video Compression	Main stream: H.265/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264
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
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	TCP/IP, SRTP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, WebSocket, WebSockets
Simultaneous Live View	Up to 20 channels
API	Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Network Storage	NAS (NFS, SMB/CIFS)
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)
Client	iVMS-4200, Hik-Connect
Web Browser	Plug-in required live view: IE11, Plug-in free live view: Safari 12+, Local service: Chrome 57.0+, Firefox 52.0+
Image	
Image Parameters Switch	Yes
Image Settings	Rotate mode, saturation, brightness, contrast, adjustable by client software or web browser
Wide Dynamic Range (WDR)	120 dB
Image Enhancement	BLC, HLC, 3D DNR, Defog
Privacy Mask	Yes
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format.
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB
Audio	1 input (line in), 1 output (line out)
Alarm	2 inputs, 1 output (max. 12 VDC, 30 mA)
RS-485	1 RS-485 (Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)
Reset Key	Yes
USB	1 micro USB 2.0 interface
Power Output	12 VDC, max. 200 mA

Event	
Basic Event	Motion detection, video tampering alarm, exception (HDD full, HDD error, network disconnected), video quality diagnosis
Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), audio exception detection
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, trigger capture, audible warning
General	
Power	12 VDC ± 20%, 0.53 A, max. 6.4 W, PoE: IEEE 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.13 A, max. 7.4 W
Material	Main body: Aluminum Alloy+PC
Dimension	105 mm × 78 mm × 26 mm (4.13" × 3.1" × 1.02")
Package Dimension	Kit/Main body: 219 mm × 139 mm × 60 mm (8.6" × 5.5" × 2.4")
Weight	Main body: approx. 170 g (0.37 lb.)
With Package Weight	Package: approx. 373 g (0.82 lb.)
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 55 °C (-22 °F to 131 °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.

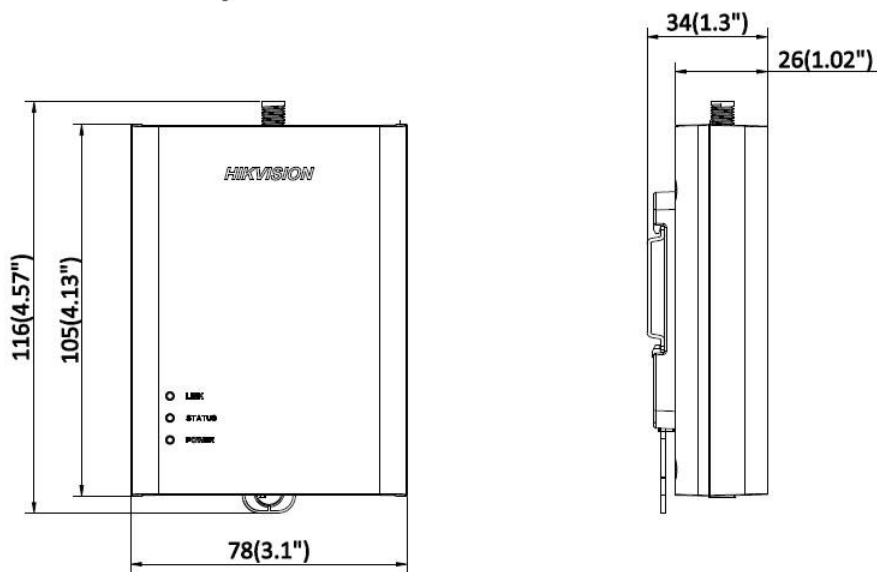| Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-

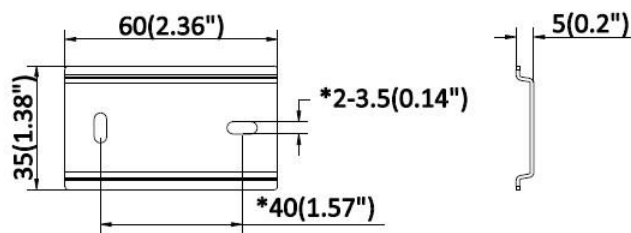|	corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (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.

▪ Available Model

DS-2CD6425G2-C1

▪ Dimension

Main body with Bracket

Bracket

Unit: mm(inch)

- **Accessory**

▪ Optional

DS-2CD6425G1-L30 Separated Network Camera Lens	DS-2CD6425G1-L10 Separated Network Camera Lens	DS-2CD6425G1-L20 Separated Network Camera Lens

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