

DS-2CD6W45G0-IVS 4 MP IR Network Fisheye Camera



- High quality imaging with 4 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
- 3D DNR technology delivers clean and sharp images
- Water and dust resistant (IP67) and vandal resistant (IK10+)



▪ Specification

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	3072 × 2048
Min. Illumination	Color: 0.082 Lux @ (F2.4, AGC ON),B/W: 0.016 Lux @ (F2.4, AGC ON),0 Lux with IR
Shutter Time	1 s to 1/100,000 s
Day & Night	IR cut filter
Lens	
Lens Type	Fixed focal lens, 2 mm
Focal Length & FOV	2mm, horizontal FOV 135° (corner mount)
Iris Type	Fixed
Aperture	F2.4
DORI	
DORI	D: 43.2 m (141.7 ft), O: 17.2 m (56.4 ft), R: 8.6 m (28.2 ft), I: 4.3 m (14.1 ft)
Illuminator	
Supplement Light Type	IR
Supplement Light Range	Up to 10 m
Smart Supplement Light	Yes
IR Wavelength	940 nm
Video	
Main Stream	50 Hz: 25 fps (2400 × 1800) 60 Hz: 25 fps (2400 × 1800)
Sub-Stream	50 Hz: 25 fps (1920 × 1080, 640 × 480, 640 × 360, 320 × 240) 60 Hz: 30 fps (1920 × 1080, 640 × 480, 640 × 360, 320 × 240)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 16 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 main stream and sub-stream,dynamic face tracking
Audio	
Audio Type	Mono sound
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-160Kbps(MP2L2)
Audio Sampling Rate	8 kHz/16 kHz
Environment Noise Filtering	Yes
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP
Simultaneous Live View	Up to 20 channels
API	Open Network Video Interface (PROFILE S, PROFILE G), ISAPI

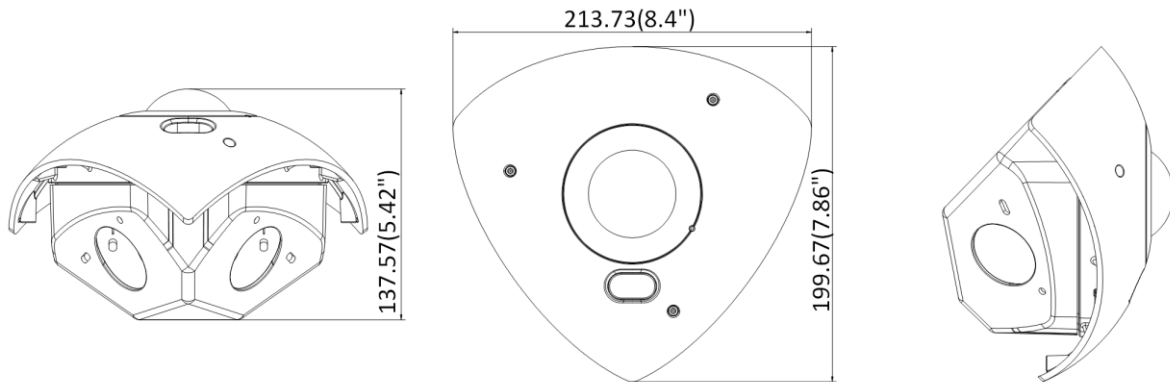
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Security	Password protection, HTTPS encryption, IEEE 802.1x port-based network access control, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF
Network Storage	Support microSD/SDHC/SDXC card (256 G), local storage and NAS (NFS,SMB/CIFS), ANR
Client	iVMS-4200,iVMS-4500,iVMS-5200,Hik-Connect
Web Browser	IE8+, Chrome31.0-44, Firefox 30.0-51, Safari8.0+
Image	
Image Parameters Switch	Yes
Image Settings	saturation,brightness,contrast,sharpness,AGC,adjustable by client software or web browser,white balance
Day/Night Switch	Day,Night,Auto,Schedule,Alarm Trigger
Wide Dynamic Range (WDR)	120 dB
Image Enhancement	BLC,HLC,3D DNR,defog
Privacy Mask	4 programmable polygon privacy masks
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/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	1 built-in microphone(s)
Audio	1 Audio input (line in, 3.5 mm), 1 audio output (line out, 3.5 mm)
Alarm	1 input, 1 output (max. 24 VDC, 1 A)
RS-485	1 RS-485 (Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)
Reset Key	Yes
Indicator	Yes
Event	
Basic Event	Motion detection,video tampering alarm,alarm input and output,network disconnected,IP address conflict,illegal login,HDD full,HDD error
Smart Event	Line crossing detection,intrusion detection,region entrance detection,region exiting detection,unattended baggage detection,object removal detection
General	
Power	12 VDC ± 20%, 0.9 A, max. 11 W, 2-core terminal block, PoE: 802.3af, Class 0, 36 V to 57 V, 0.3 A to 0.2 A, max. 12 W
Material	Cover: Metal, main body: Metal
Dimension	213.73 mm × 199.67 mm × 137.57 mm (8.4" × 7.86" × 5.42")
Package Dimension	255 mm × 255 mm × 190 mm (10.04" × 10.04" × 7.48")
Weight	Approx. 1.338 kg (2.95 lb.)
With Package Weight	Approx. 2.054 kg (4.53 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	32 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)
General Function	one-key reset,anti-flicker,Heartbeat,mirror,password protection,privacy mask, watermark, IP address filter
Cable Length	0.15 m (0.49 ft.)
Demist	Yes
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	UL: UL 62368-1, 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
Protection	IP67: IEC 60529-2013,IK10+: IEC 62262:2002
Anti-Corrosion Protection	NEMA 4X (NEMA 250-2018)

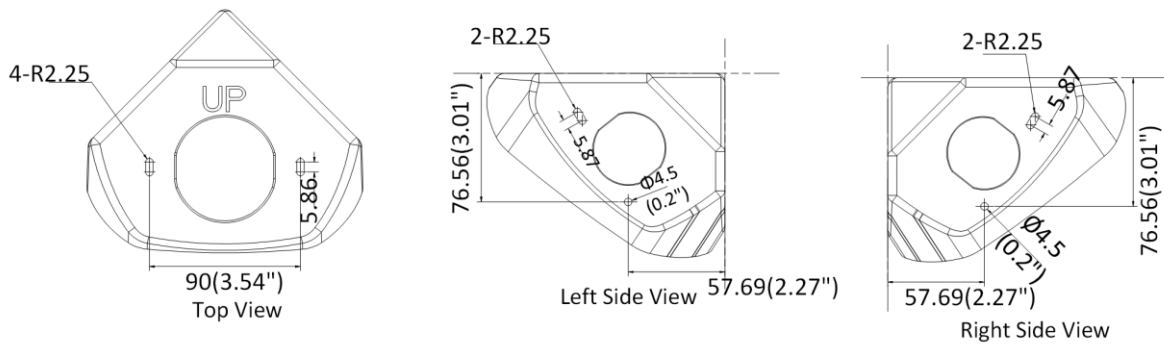
▪ **Available Model**

DS-2CD6W45G0-IVS (2 mm)

Dimension



Screw Hole



Unit: mm (inch)

Distributed by



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