

DS-2CD3956G2-ISU(1.05mm)

Hikvision 5MP AcuSense Fisheye Network camera with 1.05mm Lens

Product Overview

Hikvision 5MP AcuSense Fisheye Network camera with 1.05mm Lens, IR up to 8m, Built-In Mic, 2560 x 1920 maximum Resolution, Main Stream H.265 / H.264 / H.264+ / H.265+ Video Compression, 5 fixed regions of interest (ROI), Ceiling mounting, Up to 20 channels simultaneous live View, BLC, HLC, 3D DNR, 120 dB wide Dynamic range (WDR), 1x RJ45 10M/100M Self-Adaptive Ethernet Port, Built-In Memory card slot, Built-In Microphone, 1 Input (Line in) Audio, 1 Output (Line out) Audio, 1 Input & 1 Output Alarm, 1x RS-485, Motion Detection



Specifications

Overview Summary:

Buy now and improve wide-area surveillance with the Hikvision DS-2CD3956G2-ISU 5MP AcuSense Fisheye Network Camera. Its 360degrees ceiling-mounted view, 5MP resolution, built-in microphone and IR illumination make it suitable for comprehensive indoor security monitoring.

Designed for reliable IP surveillance, this fisheye camera offers clear imaging, smart detection and flexible network connectivity. Shop now in South Africa for an effective solution for monitoring offices, retail spaces, entrances and other wide indoor areas.

Performance tier:Professional

Uses:Indoor security monitoring, office surveillance, retail surveillance, wide-area CCTV coverage, entrance monitoring, commercial security

Overview:

The Hikvision DS-2CD3956G2-IS(U) is a 5MP AcuSense fisheye network camera designed to provide wide-area video coverage from a single ceiling-mounted camera. Its 360 degree fisheye view, 5MP image resolution and advanced image processing make it well suited to monitoring larger indoor areas where broad visibility is important. With built-in audio, alarm interfaces, motion detection, IR illumination and efficient H.265+ compression, it offers a practical combination of surveillance coverage and network video functionality.

Description:

The Hikvision 5MP AcuSense Fisheye Network Camera combines panoramic surveillance with intelligent processing in a compact ceiling-mounted design. The 1.05mm fixed fisheye lens provides a 360 degree viewing angle, helping reduce blind spots and allowing one camera to monitor a broad area.

The camera supports up to 2560 x 1920 resolution for detailed video capture and provides several live-view display modes to suit different monitoring requirements. True 120 dB WDR helps maintain clear images when strong backlighting is present, while 3D DNR reduces image noise for cleaner footage in challenging lighting conditions.

Hikvision AcuSense technology is supported alongside the Hikvision Embedded Open Platform (HEOP), allowing compatible third-party applications to be imported. The camera also provides dedicated processing and storage resources, including 1.5 TOPS computing power, 60 MB system memory, 400 MB smart RAM and 2 GB eMMC storage.

Features:**360 Degree Fisheye Surveillance**

The 1.05mm fisheye lens is designed for wide-area monitoring from a ceiling-mounted position. Up to 20 channels can be viewed simultaneously, while up to four live-view display modes provide flexibility when monitoring the panoramic image.

The camera is particularly suitable for applications where broad coverage from a single installation point is preferred, helping reduce the need for multiple conventional cameras.

High Quality 5MP Imaging

With a maximum resolution of 2560 x 1920, the camera captures detailed surveillance footage while providing image processing technologies designed for different lighting conditions. True 120 dB WDR helps balance bright and dark areas in scenes with strong backlighting, while BLC and HLC provide additional image adjustment options.

3D DNR further helps reduce unwanted image noise, particularly in lower-light conditions.

Efficient Network Video

The camera supports several video compression formats, including H.265, H.264, H.264+, and H.265+. H.265+ compression can help reduce bandwidth and storage requirements compared with less efficient compression methods, making it useful for network surveillance systems where storage capacity and network traffic need to be managed.

Key video and network capabilities include:

- 5MP maximum resolution up to 2560 x 1920
- 1.05mm fixed fisheye lens
- 360 degree ceiling-mounted panoramic view
- H.265+, H.265, H.264+ and H.264 video compression
- Five fixed regions of interest (ROI)
- Up to 20 simultaneous live-view channels
- 120 dB true WDR
- BLC, HLC and 3D DNR
- IR illumination up to 8m

Audio, Alarm and Connectivity

The camera includes a built-in microphone for audio capture and provides both audio input and audio output connections. An alarm input and alarm output are also available, along with an RS-485 interface for compatible external equipment.

Network connectivity is provided through a 10/100 Mbps self-adaptive RJ45 Ethernet port. A built-in memory card slot provides additional local storage capability, depending on the selected memory card and recording configuration.

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Connections and interfaces include:

- 1 x RJ45 10/100M self-adaptive Ethernet port
- Built-in microphone
- 1 x audio input
- 1 x audio output
- 1 x alarm input
- 1 x alarm output
- 1 x RS-485 interface
- Built-in memory card slot

Intelligent Processing and Expansion

The AcuSense camera provides dedicated computing resources for intelligent surveillance functions and supports Hikvision Embedded Open Platform (HEOP). HEOP allows compatible third-party applications to be imported, providing additional flexibility for supported surveillance and analytics requirements.

The camera also supports motion detection and includes 5 fixed regions of interest, allowing selected areas of a scene to be prioritised for image quality and bandwidth management.

Ideal Applications

The wide-angle design makes this Hikvision fisheye camera a useful option for monitoring areas such as offices, retail spaces, reception areas, classrooms, halls and other indoor environments where broad panoramic coverage is required.

For ordering and product identification, the part number / SKU is DS-2CD3956G2-ISU(1.05mm).

Key Technical Details

- Model: Hikvision DS-2CD3956G2-IS(U)
- Camera type: 5MP AcuSense fisheye network camera
- Lens: 1.05mm fixed lens
- Maximum resolution: 2560 x 1920
- Viewing angle: 360 degree fisheye view
- IR range: Up to 8m
- Video compression: H.265+, H.265, H.264+ and H.264
- WDR: 120 dB true WDR
- Network interface: 1 x 10/100M RJ45 Ethernet
- Audio: Built-in microphone, 1 x audio input and 1 x audio output
- Alarm: 1 x input and 1 x output
- Storage: Built-in memory card slot and 2 GB eMMC
- Interface: 1 x RS-485
- Smart processing: 1.5 TOPS computing power
- ROI: 5 fixed regions of interest
- Mounting: Ceiling mount

Specifications:

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Specifications

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Product Specification Sheet

Product Code	DS-2CD3956G2-ISU(1.05mm)
Camera	
Image Sensor	1/2.7" Progressive Scan CMOS
Max. Resolution	2560 x 1920
Min. Illumination	Color: 0.017 Lux @ (F2.25, AGC ON),B/W: 0 Lux with IR
Shutter Time	1/3 s to 1 / 100,000 s
Day & Night	IR cut filter
Lens	
Lens Type	Fixed focal lens, 1.05 mm
Focal Length & FOV	1.05 mm, horizontal FOV: 360degrees, vertical FOV : 180degrees
Lens Mount	M12
Iris Type	Fixed
Aperture	F2.25
Depth of Field	0.1 m to ?
DORI	
DORI	D: 21 m, O: 8 m, R: 4 m, I: 2 m
Illuminator	
Supplement Light Type	IR
Supplement Light Range	Up to 8 m
Smart Supplement Light	Yes
IR Wavelength	850 nm
HEOP	
Open Resources	Memory: 60 MB
	Smart RAM: 400 MB
	eMMC: 2 GB
Computing Power	1.5 TOPS
Open Capability	HEOP 1.0 OpendevSDK
Deep Learning Structure	Caffe,PyTorch,TensorFlow
Programming Language	C,C++
Video	

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Main Stream	50 Hz: 25 fps/60 Hz: 30 fps:
	Fisheye View:
	2560 x 1920, 2048 x 1536, 1280 x 960
	180 Panorama View:
	2048 x 1152, 1280 x 720
	180 Dual Channel Panorama View:
	4096 x 576, 2048 x 288
	4PTZ View:
	camera 01/camera 02/camera 03/camera 04: 1200 x 900
	Fisheye + 3PTZ View:
	camera 01: 2048 x 1536, 1280 x 960
	camera 02/camera 03/camera 04: 1200 x 900
Sub-Stream	50 Hz: 25 fps/60 Hz: 30 fps:
	Fisheye View:
	640 x 480, 640 x 360
	180 Panorama View:
	640 x 480, 640 x 360
	Fisheye + 3PTZ View:
	camera 01: 640 x 480, 640 x 360
Video Compression	Main stream: H.265/H.264/H.264+/H.265+
	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)	5 fixed regions for main stream and sub-stream
Target Cropping	Yes
Fisheye Display	
Mount Type	Ceiling mounting
Decoding Mode	Support hardware decoding and software decoding
Audio	
Audio Compression	G.711ulaw / G.711alaw / 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 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Environment Noise Filtering	Yes

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Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SFTP, ARP, SNMP, WebSocket, WebSockets, SRTP
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
Security	Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.2, WSSE and digest authentication for Open Network Video Interface
Network Storage	NAS (NFS, SMB/CIFS), auto network replenishment (ANR)
	Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: IE 10, IE 11
	Plug-in free live view : Chrome 57.0+, Firefox 52.0+
	Local service: Chrome 57.0+, Firefox 52.0+
Image	
Image Parameters Switch	Yes
Image Settings	Saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser
Day/Night Switch	Day, Night, Auto, Schedule
Wide Dynamic Range (WDR)	120 dB
Image Enhancement	BLC, HLC, 3D DNR
SNR	>= 52 dB
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 512 GB
Built-in Microphone	-U: Yes
Audio	1 input(s) (line in), four-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 Kohm, interface type: non-equilibrium
	1 output(s) (line out), four-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 ohm, interface type: non-equilibrium
Alarm	1 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
Event	
Basic Event	Motion detection, video tampering alarm, exception
Linkage	Upload to NAS/memory card/FTP, notify surveillance center, send email, trigger recording, trigger capture, trigger alarm output, audible warning

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Deep Learning Function	
Heat Map	Yes
General	
Power	12 VDC +/- 25%, 0.50 A, max. 6 W, Ø5.5 mm coaxial power plug
	PoE: 802.3af, Class 3, 36 V to 57 V, 0.20 A to 0.13 A, max. 7.5 W
Dimension	Ø119.9 mm x 41.2 mm (Ø4.7" x 1.6")
Package Dimension	150 mm x 125 mm x 99 mm (5.9" x 4.9" x 3.9")
	Approx. 320 g (0.7 lb.)
With Package Weight	Approx. 510 g (1.1 lb.)
General Function	Anti-banding, heartbeat, privacy mask, flash log, password reset via email, pixel counter
Storage Conditions	-10 degreesC to 50 degreesC (-14 degreesF to 122 degreesF). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-10 degreesC to 50 degreesC (-14 degreesF to 122 degreesF). 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
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
Safety	UL: UL 62368-1
	CB: IEC 62368-1: 2014+A11
	CE-LVD: EN 62368-1: 2014/A11: 2017
Environment	CE-RoHS: 2011/65/EU
	WEEE: 2012/19/EU
	Reach: Regulation (EC) No 1907/2006

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/DS-2CD3956G2-ISU-1-05mm-Hikvision-5MP-AcuSense-Fisheye-Buy-p-340604.php>

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