

**DS-2CD3546G3-IS(Y)**  
**4 MP Acusense Fixed Mini Dome Network Camera**

# AcuSense



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.

- HIK AI-ISP for excellent noise reduction effect
- Scene-adaptive WDR
- Focus on Person and Vehicle classification based on deep learning
- Built-in arrayed dual-microphone for real-time high quality audio security
- Anti-corrosion design, providing reliability and longevity compared to standard (NEMA 4X)
- Water and dust resistant (IP67) and vandal-resistant (IK08)

## ▪ Specification

Camera	
Image Sensor	1/3" Progressive Scan CMOS
Max. Resolution	2688 × 1520
Min. Illumination	Color: 0.0008 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR
Shutter Time	1 s to 1/100,000 s
Day & Night	IR cut filter
Angle Adjustment	Pan: -30° to 30°, tilt: 0° to 75°, rotate: 0° to 360°
Lens	
Lens Type	Fixed focal lens, 2, 2.8, and 4 mm optional
Focal Length & FOV	DS-2CD3546G3-IS(Y): 2 mm, horizontal FOV 128.4°, vertical FOV 75.4°, diagonal FOV 147.1° 2.8 mm, horizontal FOV 101.3°, vertical FOV 54.6°, diagonal FOV 121.9° 4 mm, horizontal FOV 84°, vertical FOV 45.6°, diagonal FOV 98.9° 2 mm, horizontal FOV 128.4°, vertical FOV 75.4°, diagonal FOV 147.1° 2.8 mm, horizontal FOV 101.3°, vertical FOV 54.6°, diagonal FOV 121.9° 4 mm, horizontal FOV 84°, vertical FOV 45.6°, diagonal FOV 98.9°
Lens Mount	M12
Iris Type	Fixed
Aperture	DS-2CD3546G3-IS(Y), DS-2CD3546G3-ISY(2.8mm), DS-2CD3546G3-ISY(4mm), DS-2CD3546G3-ISY(2.8mm)(BLACK): F1.2 DS-2CD3546G3-ISY(2mm), DS-2CD3546G3-ISY(2mm)(BLACK): F1.6
Depth of Field	DS-2CD3546G3-IS(Y): 2 mm: 0.5 m to ∞ 2.8 mm: 1.7 m to ∞ 4 mm: 1.6 m to ∞ 2 mm: 0.5 m to ∞ 2.8 mm: 1.7 m to ∞ 4 mm: 1.6 m to ∞
DORI	
DORI	DS-2CD3546G3-IS(Y): 2 mm: D: 45 m, O: 18 m, R: 9 m, I: 4 m 2.8 mm: D: 64 m, O: 25 m, R: 12 m, I: 6 m 4 mm: D: 77 m, O: 30 m, R: 15 m, I: 7 m 2 mm: D: 45 m, O: 18 m, R: 9 m, I: 4 m 2.8 mm: D: 64 m, O: 25 m, R: 12 m, I: 6 m 4 mm: D: 77 m, O: 30 m, R: 15 m, I: 7 m
Illuminator	
Supplement Light Type	IR
Supplement Light Range	Up to 30 m
Smart Supplement Light	Yes
IR Wavelength	850 nm
HEOP	
Open Resources	Memory: 60 MB, Smart RAM: 450 MB, eMMC: 2 GB
Computing Power	1.5 TOPS
Open Capability	HEOP 2.0 OpendevSDK

Deep Learning Structure	Caffe,PyTorch,TensorFlow,PaddlePaddle,ONNX
Programming Language	C,C++
<b>Video</b>	
Main Stream	50 Hz: 25 fps (2688 × 1520) 60 Hz: 30 fps (2688 × 1520) 50 Hz: 50 fps (1920 × 1080, 1280 × 720) 60 Hz: 60 fps (1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)
Third Stream	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings.
Fourth Stream	50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) *Fourth stream is supported under certain settings.
Video Compression	Main stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 8 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
<b>Audio</b>	
Audio Type	Mono sound
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 Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/48 kHz
<b>Network</b>	
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, SNMP, WebSocket, WebSockets, SRTP, SFTP
Simultaneous Live View	Up to 6 channels
API	ISAPI,SDK,ISUP,ONVIF (ProfileS, ProfileT, ProfileG, ProfileM)
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 1.1/1.2/1.3, host authentication (MAC address)
Network Storage	NAS (NFS, SMB/CIFS),Auto Network Replenishment (ANR)

Client	iVMS-4200,Hik-Connect,Hik-Central
Web Browser	Plug-in free live view: Chrome 91+, Firefox 88+, Edge 91+, Safari 13+ Local service: Chrome 91+, Firefox 88+, Edge 91+
<b>Image</b>	
Image Parameters Switch	Yes
Image Settings	Rotate mode,saturation,brightness,contrast,sharpness,gain,white balance,adjustable by client software or web browser
Day/Night Switch	Day,Night,Auto,Schedule
Image Enhancement	BLC,HLC,3D DNR,Distortion Correction,Defog
SNR	≥ 52 dB
Wide Dynamic Range (WDR)	130 dB
Image Stabilization	EIS
Privacy Mask	8 programmable polygon privacy masks
<b>Interface</b>	
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
Audio	Built-in Microphone: Arrayed dual-microphone, 1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Alarm	1 input, 1 output (max. 12 VDC, 30 mA)
Reset Key	Yes
Power Output	12 VDC, max. 100 mA
<b>Event</b>	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)),video tampering alarm,exception
Linkage	Upload to FTP/NAS/memory card,notify surveillance center,trigger recording,trigger capture,send email
Smart Event	Scene change detection, audio exception detection, defocus detection
<b>Deep Learning Function</b>	
Face Capture	Yes
People Counting	Yes
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle)
<b>General</b>	
Power	12 VDC ± 25%, 0.54 A, max. 6.5 W,Ø5.5 mm coaxial power plug,reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 8 W
Material	Base: aluminum alloy, cover: plastic
Dimension	Ø110 mm × 59.2 mm (Ø4.8" × 3.8")
Package Dimension	134 mm × 134 mm × 108 mm (5.3" × 5.3" × 4.3")
Weight	Approx. 630 g (1.4 lb.)
With Package Weight	Approx. 880 g (2.0 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 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
General Function	Heartbeat,mirror,flash log,password reset via email,pixel counter,anti-banding
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
<b>Approval</b>	
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
Safety	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
Protection	IP67: IEC 60529-2013, IK08: IEC 62262:2002
Anti-Corrosion Protection	NEMA 4X (NEMA 250-2018)

### ▪ 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 MODERATE PROTECTION.

### ▪ Available Model

DS-2CD3546G3-ISY(2mm)

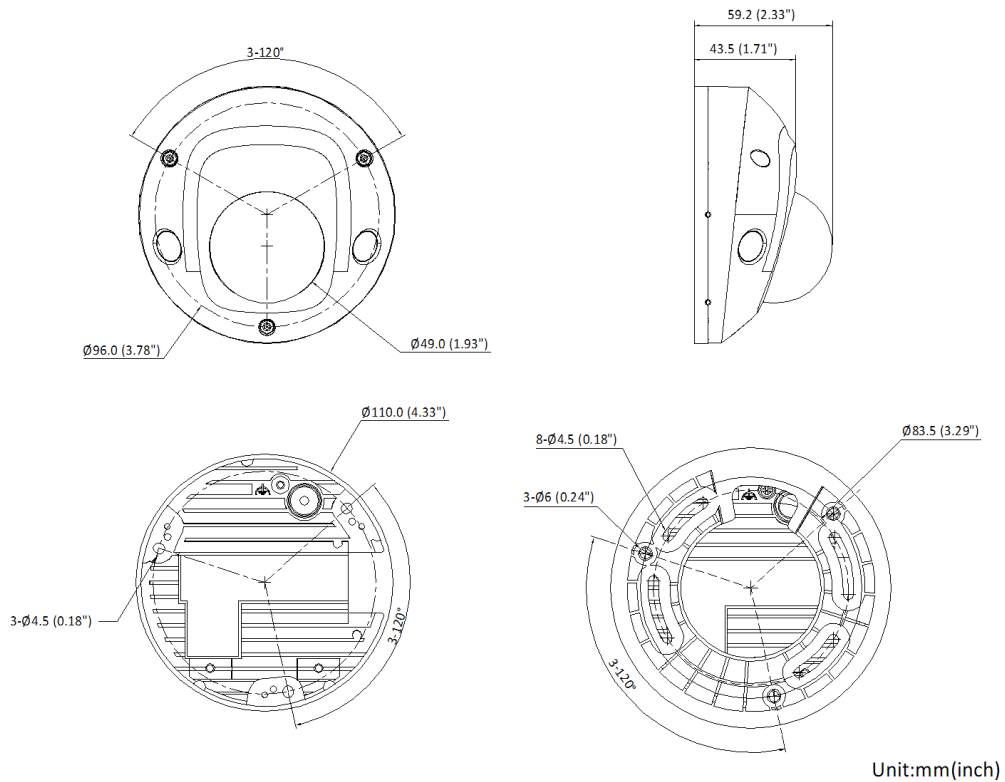
DS-2CD3546G3-ISY(2mm)(BLACK)

DS-2CD3546G3-ISY(2.8mm)

DS-2CD3546G3-ISY(4mm)

DS-2CD3546G3-ISY(2.8mm)(BLACK)

▪ Dimension

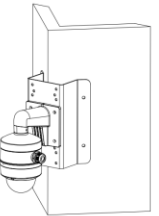
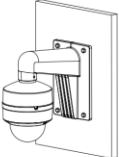
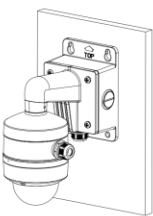
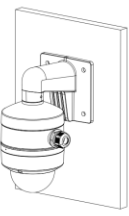
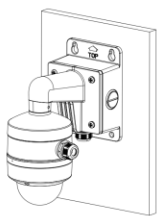
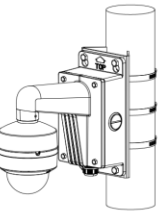
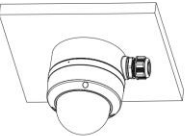

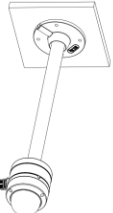
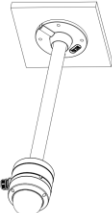


▪ **Accessory**

▪ **Optional**

<b>DS-1276ZJ-SUS</b>	<b>DS-2200ZJ-WA-120</b>	<b>DS-1275ZJ-SUS</b>	<b>DS-1280ZJ-DM46</b>	<b>DS-1272ZJ-120B</b>
				
<b>DS-2280ZJ-WA120</b>	<b>DS-2210ZJ-WA-120</b>	<b>DS-1272ZJ-120</b>	<b>DS-2200ZJ-WAJ-120</b> <b>0</b>	<b>DS-1271ZJ-120</b>
				

▪ **Installation Methods**

<b>Corner Mounting</b> DS-1276ZJ-SUS+DS-1272ZJ-120+DS-1280ZJ-DM46	<b>Wall Mounting</b> DS-2200ZJ-WA-120	<b>Wall Mounting</b> DS-1272ZJ-120B+DS-1280ZJ-DM46	<b>Wall Mounting</b> DS-1272ZJ-120+DS-1280ZJ-DM46	<b>Wall Mounting</b> DS-2200ZJ-WAJ-120+DS-1280ZJ-DM46
				
<b>Vertical Pole Mounting</b> DS-1275ZJ-SUS+DS-2200ZJ-WAJ-120	<b>Junction Box</b> DS-1280ZJ-DM46	<b>Junction Box</b> DS-2280ZJ-WA120	<b>Pendant Mounting</b> DS-2210ZJ-WA-120+DS-1280ZJ-DM46	<b>Pendant Mounting</b> DS-1271ZJ-120+DS-1280ZJ-DM46
				

# See Far, Go Further



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