

DS-2CD2347G2-L(U) 4 MP ColorVu Fixed Turret Network Camera













Hikvision ColorVu technology provides 24/7 vivid colorful images with F1.0 advanced lenses and high performance sensors. F1.0 super-aperture collects more light to produce brighter images. Advanced sensor technology can vastly improve the utilization of available light.

- High quality imaging with 4 MP resolution
- Efficient H.265+ compression technology
- Clear imaging against strong backlight due to 130 dB WDR technology
- Built-in microphone for real-time audio security(-U)
- Focus on human and vehicle targets classification based on deep learning
- 24/7 colorful imaging
- Water and dust resistant (IP67)





Specification

Camera					
Image Sensor	1/1.8" Progressive Scan CMOS				
Min. Illumination	Color: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with white light				
Shutter Speed	1/3 s to 1/100,000 s				
Slow Shutter	Yes				
P/N	P/N				
Wide Dynamic Range	130 dB				
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°				
Lens					
Lens Type	Fixed focal lens, 2.8, 4, and 6 mm optional				
Iris Type	Fixed				
	2.8 mm, horizontal FOV 112°, vertical FOV 61°, diagonal FOV 134°				
Lens Type & FOV	4 mm, horizontal FOV 95°, vertical FOV 51°, diagonal FOV 115°				
	6 mm, horizontal FOV 58°, vertical FOV 31°, diagonal FOV 69°				
	2.8 mm, 2.5 m to ∞				
Depth of Focus	4 mm, 3.5 m to ∞				
	6 mm, 7.5 m to ∞				
Aperture	F1.0				
Lens Mount	M16				
DORI					
	2.8 mm, D: 58 m, O: 23 m, R: 11 m, I: 2 m				
DORI	4 mm, D: 77 m, O: 30 m, R: 15 m, I: 7 m				
	6 mm, D: 115 m, O: 45 m, R: 23 m, I: 11 m				
Illuminator					
Supplement Light Type	White Light				
White Light Range	30 m				
Smart Supplement Light	Yes				
Video					
Max. Resolution	2688 × 1520				
Main Straam	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)				
Main Stream	60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)				
Sub Stream	50 Hz: 25 fps (640 × 480, 640 × 360)				
Sub Stream	60 Hz: 30 fps (640 × 480, 640 × 360)				
	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)				
Third Stream	60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)				
	*Third stream is supported under certain settings.				
	Main stream: H.265/H.264/H.265+/H.264+				
Video Compression	Sub-stream: H.265/H.264/MJPEG				
video compression	Third stream: H.265/H.264				
	*Third stream is supported under certain settings.				
Video Bit Rate	32 Kbps to 8 Mbps				
H.264 Type	Baseline Profile/Main Profile/High Profile				
H.265 Type	Main Profile				
H.264+	Main Stream supports				



Bit Rate Control Scalable Video Coding (SVC) Region of Interest (ROI) 1 fixed region for main stream and sub-stream Audio Environment Noise Filtering -U: Sex Audio Sampling Rate -U: 6. Htt2/15 kHtz/32 kHz/44.1 kHz/48 kHz -U: 6. 4 kbps (G.711alaw/G.711alaw/G.722.1/G.726/MP212/PCM/MP3/AAC -U: 6. 4 kbps (G.711ulaw/G.711alaw/G.722.1/G.726/MP212/PCM/MP3/AAC -U: 6. 4 kbps (G.712alaw/G.711alaw/G.722.1/G. Kbps (G.726.1/32 to 192 kbps (MP3)/16 to 64 kbps (G.722.1/16 kbps (G.726.1/32 to 192 kbps (MP3)/16 to 64 kbps (AAC) Network Simultaneous Live View Up to 6 channels API Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAP, SDK -TCP/IP. (EMP, HTTP, HTTP, STP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPAP, SMTP, UFAP, SOL1X, QaS, IPV4, IPV6, UDP, Bonjour, SSL/TLS, PPP0E, SMMP, ARP, WebSocket, WebSockets -WebSockets -Password protection, complicated password, HTTPS encryption, IP address filter, -Security -Password protection, complicated password, HTTPS encryption, IP address filter, -Security -Password protection, complicated password, HTTPS encryption, IP address filter, -Security -Password protection, complicated password, HTTPS encryption, IP address filter, -Security -Password protection, complicated password, HTTPS encryption, IP address filter, -Security -Password protection, complicated password, HTTPS encryption, IP address filter, -Security -Password protection, complicated password, HTTPS encryption, IP address filter, -Security -Password protection, complicated password, HTTPS encryption, IP address filter, -Security -Password protection, complicated password, HTTPS encryption, IP address filter, -Security -Password protection, complicated password, HTTPS encryption, IP address filter, -Security -Password protection, complicated password, HTTPS encryption, IP address filter, -Security -Password protec	H.265+	Main stream supports			
Scalable Video Coding (SVC) H.264 and H.265 encoding Region of Interest (ROI) 1 fixed region for main stream and sub-stream Audio Environment Noise Filtering -U: Yes Audio Sampling Rate -U: 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz Audio Compression -U: 6 x (Apr. 21.1 ulaw/G. 71.1 alaw/G. 72.2.1/G. KDPQ.12/PCM/MP3/AAC Audio Bit Rate -U: 6 x (Abps (G. 71.1 ulaw/G. 71.1 alaw/J. 16 kbps (G. 722.1)/16 kbps (G. 726/J/32 to 192 kbps (MP32/12)/8 to 320 kbps (MP3)/16 to 64 kbps (AAC) Network Simultaneous Live View Up to 6 channels API Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPPP, SMTP, WebSocket, WebSockets Very MeDSOcket, WebSocket, WebSocket	Bit Rate Control				
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Network Simultaneous Live View Up to 6 channels API Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DNS, RTP, RTSP, NTP, UPNP, SMTP, IGMP, 802.1X, QoS, IPV4, IPV6, UDP, Bonjour, SSL/TLS, PPPOE, SMMP, ARP, WebSocket, WebSockets 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 ThTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface MicroSD/SDHC/SDXC card (256 GB) local storage, and 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 Plug-in required live view: IE 10+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+ Image SNR \$25 d B Day/Night Switch Auto, Schedule Image Enhancement BLC, HLC, 3D DNR Image Parameters Switch Yes Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser Built-in Microphone -U: Yes On-board Storag	Audio Bit Rate				
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Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface MicroSD/SDHC/SDXC card (256 GB) local storage, and 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 Plug-in required live view: IE 10+ Web Browser Plug-in free live view: Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+ Image SNR ≥ 52 dB Day/Night Switch Auto, Schedule Image Enhancement BLC, HLC, 3D DNR Image Parameters Switch Yes Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser Interface Built-in Microphone U: Yes On-board Storage Built-in micro SD/SDHC/SDXC slot, up to 256 GB Hardware Reset Yes Communication Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port Event Motion detection (human and vehicle targets classification), video tampering alarm, exception		WebSockets			
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Together with high-end Hikwision memory card, memory card encryption and health detection are supported Client iVMS-4200, Hik-Connect, Hik-Central Plug-in required live view: IE 10+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+ Image SNR ≥ 52 dB Day/Night Switch Auto, Schedule Image Enhancement BLC, HLC, 3D DNR Image Parameters Switch Yes Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser Interface Built-in Microphone -U: Yes On-board Storage Built-in micro SD/SDHC/SDXC slot, up to 256 GB Hardware Reset Yes Communication Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port Event Motion detection (human and vehicle targets classification), video tampering alarm, exception		MicroSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto			
Together with high-end Hikvision memory card, memory card encryption and health detection are supported Client iVMS-4200, Hik-Connect, Hik-Central Plug-in required live view: IE 10+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+ Image SNR ≥ 52 dB Day/Night Switch Auto, Schedule Image Enhancement BLC, HLC, 3D DNR Image Parameters Switch Yes Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser Interface Built-in Microphone -U: Yes On-board Storage Built-in micro SD/SDHC/SDXC slot, up to 256 GB Hardware Reset Yes Communication Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port Event Motion detection (human and vehicle targets classification), video tampering alarm, exception	Nationali Charan	network replenishment (ANR)			
Client iVMS-4200, Hik-Connect, Hik-Central Web Browser Plug-in required live view: IE 10+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+ Image SNR ≥ 52 dB Day/Night Switch Auto, Schedule Image Enhancement BLC, HLC, 3D DNR Image Parameters Switch Yes Image Settings Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser Interface Built-in Microphone On-board Storage Built-in micro SD/SDHC/SDXC slot, up to 256 GB Hardware Reset Yes Communication Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port Event Motion detection (human and vehicle targets classification), video tampering alarm, exception	Network Storage	Together with high-end Hikvision memory card, memory card encryption and health			
Web BrowserPlug-in required live view: IE 10+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+ImageSNR≥ 52 dBDay/Night SwitchAuto, ScheduleImage EnhancementBLC, HLC, 3D DNRImage Parameters SwitchYesImage SettingsRotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browserInterfaceU: YesBuilt-in Microphone-U: YesOn-board StorageBuilt-in micro SD/SDHC/SDXC slot, up to 256 GBHardware ResetYesCommunication Interface1 RJ45 10 M/100 M self-adaptive Ethernet portEventMotion detection (human and vehicle targets classification), video tampering alarm, exception		detection are supported			
Web Browser Plug-in free live view: Chrome 57.0+, Firefox 52.0+ Image SNR ≥ 52 dB Day/Night Switch Auto, Schedule Image Enhancement BLC, HLC, 3D DNR Image Parameters Switch Yes Image Settings Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser Interface Built-in Microphone -U: Yes On-board Storage Built-in micro SD/SDHC/SDXC slot, up to 256 GB Hardware Reset Yes Communication Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port Event Motion detection (human and vehicle targets classification), video tampering alarm, exception	Client	iVMS-4200, Hik-Connect, Hik-Central			
Local service: Chrome 57.0+, Firefox 52.0+ImageSNR≥ 52 dBDay/Night SwitchAuto, ScheduleImage EnhancementBLC, HLC, 3D DNRImage Parameters SwitchYesImage SettingsRotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browserInterfaceBuilt-in Microphone-U: YesOn-board StorageBuilt-in micro SD/SDHC/SDXC slot, up to 256 GBHardware ResetYesCommunication Interface1 RJ45 10 M/100 M self-adaptive Ethernet portEventMotion detection (human and vehicle targets classification), video tampering alarm, exception		Plug-in required live view: IE 10+			
SNR ≥ 52 dB Day/Night Switch Auto, Schedule Image Enhancement BLC, HLC, 3D DNR Image Parameters Switch Yes Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser Interface Built-in Microphone -U: Yes On-board Storage Built-in micro SD/SDHC/SDXC slot, up to 256 GB Hardware Reset Yes Communication Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port Event Motion detection (human and vehicle targets classification), video tampering alarm, exception	Web Browser	Plug-in free live view: Chrome 57.0+, Firefox 52.0+			
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Day/Night Switch Image Enhancement BLC, HLC, 3D DNR Image Parameters Switch Yes Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser Interface Built-in Microphone On-board Storage Built-in micro SD/SDHC/SDXC slot, up to 256 GB Hardware Reset Yes Communication Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port Event Motion detection (human and vehicle targets classification), video tampering alarm, exception	Image				
Image Enhancement Image Parameters Switch Image Settings Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser Interface Built-in Microphone On-board Storage Built-in micro SD/SDHC/SDXC slot, up to 256 GB Hardware Reset Yes Communication Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port Event Motion detection (human and vehicle targets classification), video tampering alarm, exception	SNR	≥ 52 dB			
Image Parameters Switch Image Settings Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser Interface Built-in Microphone On-board Storage Built-in micro SD/SDHC/SDXC slot, up to 256 GB Hardware Reset Yes Communication Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port Event Motion detection (human and vehicle targets classification), video tampering alarm, exception	Day/Night Switch	Auto, Schedule			
Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser Interface Built-in Microphone -U: Yes On-board Storage Built-in micro SD/SDHC/SDXC slot, up to 256 GB Hardware Reset Yes Communication Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port Event Motion detection (human and vehicle targets classification), video tampering alarm, exception	Image Enhancement	BLC, HLC, 3D DNR			
Interface Built-in Microphone -U: Yes On-board Storage Built-in micro SD/SDHC/SDXC slot, up to 256 GB Hardware Reset Yes Communication Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port Event Motion detection (human and vehicle targets classification), video tampering alarm, exception	Image Parameters Switch	Yes			
Interface Built-in Microphone -U: Yes On-board Storage Built-in micro SD/SDHC/SDXC slot, up to 256 GB Hardware Reset Yes Communication Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port Event Motion detection (human and vehicle targets classification), video tampering alarm, exception	Imaga Cattings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance			
Built-in Microphone On-board Storage Built-in micro SD/SDHC/SDXC slot, up to 256 GB Hardware Reset Yes Communication Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port Event Basic Event Motion detection (human and vehicle targets classification), video tampering alarm, exception	illiage Jettiligs	adjustable by client software or web browser			
On-board Storage Built-in micro SD/SDHC/SDXC slot, up to 256 GB Hardware Reset Yes Communication Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port Event Motion detection (human and vehicle targets classification), video tampering alarm, exception	Interface				
Hardware Reset Communication Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port Event Basic Event Motion detection (human and vehicle targets classification), video tampering alarm, exception	Built-in Microphone	-U: Yes			
Communication Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port Event Basic Event Motion detection (human and vehicle targets classification), video tampering alarm, exception	On-board Storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB			
Event Basic Event Motion detection (human and vehicle targets classification), video tampering alarm, exception	Hardware Reset	Yes			
Basic Event Motion detection (human and vehicle targets classification), video tampering alarm, exception	Communication Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port			
Basic Event exception	Event				
Smart Event Scene change detection	Basic Event				
	Smart Event	Scene change detection			



Deep Learning Function				
Face Capture	Yes			
Perimeter Protection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection			
General				
Linkage Method	Upload to NAS/memory card/FTP, notify surveillance center, trigger recording, trigger capture, send email			
Firmware Version	V5.5.112			
Web Client 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	Anti-flicker, heartbeat, mirror, privacy mask, flash log, password reset via email, pixel counter			
Software Reset	Yes			
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)			
Power Supply	12 VDC ± 25%, reverse polarity protection PoE: 802.3af, Class 3			
Power Consumption and	12 VDC, 0.55 A, max. 6.6 W			
Current	PoE (802.3af, 36 V to 57 V), 0.22 A to 0.13 A, max. 7.6 W			
Power Interface	Ø5.5 mm coaxial power plug			
Material	Aluminum alloy body, except for trim ring			
Screw Material	SUS304			
Camera Dimension	Ø138.3 mm × 125.2 mm (Ø5.4" × 4.9")			
Package Dimension	170 mm × 170 mm × 150 mm (7" × 7" × 5.9")			
Camera Weight	Approx. 750 g (1.7 lb.)			
With Package Weight	Approx. 1055 g (2.3 lb.)			
Approval				
EMC	FCC SDoC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC VoC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)			
UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014); Safety CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)				
	BIS (IS 13252(Part 1):2010+A1:2013+A2:2015);			
Environment	BIS (IS 13252(Part 1):2010+A1:2013+A2:2015);			



Available Model

DS-2CD2347G2-LU (2.8/4/6 mm) DS-2CD2347G2-L (2.8/4/6 mm)

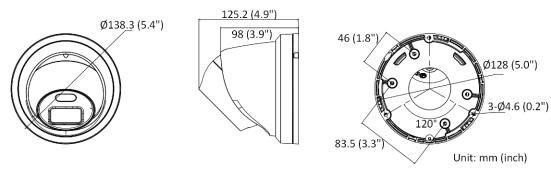
Typical Application

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



Accessory

Optional

DS-1273ZJ-140B	DS-1273ZJ-140	DS-1275ZJ-SUS	DS-1280ZJ-PT6	DS-1276ZJ-SUS
Wall Mount	Wall Mount	Vertical Pole Mount	Junction Box	Corner Mount













DS-1271ZJ-140

Pendant Mount









HIKVISION°

Headquarters

No.555 Qianmo Road, Binjiang District, Hangzhou 310051, China T +86-571-8807-5998 overseasbusiness@hikvision.com

Hikvision USA T+1-909-895-0400 sales.usa@hikvision.com

Hikvision Australia T +61-2-8599-4233 salesau@hikvision.com

Hikvision India T+91-22-28469900 sales@pramahikvision.com

Hikvision Canada T+1-866-200-6690 sales.canada@hikvision.com

Hikvision Thailand T +662-275-9949 sales.thailand@hikvision.com Hikvision Europe T +31-23-5542770 sales.eu@hikvision.com

Hikvision Italy T+39-0438-6902 info.it@hikvision.com

Hikvision Brazil T +55 11 3318-0050 Latam.support@hikvision.com

Hikvision Turkey T +90 (216)521 7070- 7074 sales.tr@hikvision.com

Hikvision Malaysia T+601-7652-2413 sales.my@hikvision.com Hikvision UK & Ireland T +01628-902140 sales.uk@hikvision.com

Hikvision South Africa Tel: +27 (10) 0351172 sale.africa@hikvision.com

Hikvision France T +33(0)1-85-330-450 info.fr@hikvision.com

Hikvision Kazakhstan T +7-727-9730667 nikia.panfilov@hikvision.ru

Hikvision Vietnam T +84-974270888 sales.vt@hikvision.com Hikvision UAE T +971-4-4432090 salesme@hikvision.com

Hikvision Singapore T +65-6684-4718 sg@hikvision.com

Hikvision Spain T +34-91-737-16-55 info.es@hikvision.com

Hikvision Tashkent T +99-87-1238-9438 uzb@hikvision.ru

Hikvision Hong Kong T +852-2151-1761 info.hk@hikvision.com Hikvision Russia T +7-495-669-67-99 saleru@hikvision.com

Hikvision Korea T +82-{0}31-731-8817 sales.korea@hikvision.com

Hikvision Poland T +48-22-460-01-50 info.pl@hikvision.com

Hikvision Indonesia T+62-21-2933759 Sales.Indonesia@hikvision.com

Hikvision Colombia sales.colombia@hikvision.com

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