

HIKVISIO

## iDS-2CD7046G0(-AP)(/F11) 4MP Box Network Camera

**Dark Fighter** 



# - Deepin View

- High quality imaging with 4 MP resolution
- Excellent low-light performance via DarkFighter technology
- Clear imaging against strong back light due to 140 dB WDR technology
- Efficient H.265+ compression technology to save bandwidth and storage"
- Advanced streaming technology that enables smooth live view and data self-correcting in poor network
- 5 streams and up to 5 custom streams to meet a wide variety of applications
- Built-in microphone for real-time audio security





## Function

#### **Face Counting**

With the embedded deep learning algorithms, the camera integrates multiple intelligences. It counts persons and samples the face features simultaneously, and compares them with the built-in face library, so to remove the duplicated person. It counts persons and reports a face alarm simultaneously to achieve both the entrance control and people counting.

#### **Hard Hat Detection**

With the embedded deep learning algorithms, the camera detects the persons in the specified region. It detects whether the person is wearing a hard hat, and captures the head of the person and reports an alarm if not.

#### Multi-Target-Type Detection

With the embedded deep learning algorithms, the camera detects and captures the face and human body in the specified region and outputs the features, such as gender, age and top color. It supports a structurized modeling of the face and human body to achieve a structurized data collection.

#### **Queue Management**

With embedded deep learning based algorithms, the camera detects queuing-up people number and waiting time of each person. The body feature detection algorithm helps filter out wrong targets and increase the accuracy of detection.

#### Metadata

Metadata uses individual instances of application data or the data content. Metadata can be used for third-party application development.

#### **Smooth Streaming**

Smooth streaming offers solutions to improve the video quality in different network conditions. For example, in poor network conditions, adapting to the detected real-time network condition, streaming bit rate and resolution are automatically adjusted to avoid mosaic and lower latency in live view; in multiplayer network conditions, the camera transmits the redundant data for the self-error correcting in back-end device, so that to solve the mosaic problem because of the packet loss and error rate.



## Specification

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Min. Illumination	Color: 0.001 Lux @ (F1.2, AGC ON); B/W: 0.0003 Lux @ (F1.2, AGC ON)
Shutter Speed	1 s to 1/100,000 s
Slow Shutter	Yes
P/N	P/N
Wide Dynamic Range	140 dB
Day & Night	IR cut filter.
Lens	
	DC drive.
Lens Mount	CS mount
Fixed Aperture	Constant F1.2 throughout the zoom range
Blue Glass Module	Blue glass module to reduce ghost phenomenon.
ABF	-AP: Yes
P-Iris	-P: Yes
Video	
Max. Resolution	2680 × 1520
	2080 × 1520 50Hz: 25fps (2680 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720)
Main Stream	
	60Hz: 30fps (2680 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720) 50Hz: 25fps (704 × 576, 640 × 480)
Sub-Stream	
	60Hz: 30fps (704 × 480, 640 × 480)
Third Stream	50Hz: 25fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)
	60Hz: 30fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
Fourth Stream	50Hz: 25fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)
	60Hz: 30fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
Fifth Stream	50Hz: 25fps (704 × 576, 640 × 480)
	60Hz: 30fps (704 × 480, 640 × 480)
Custom Stream	50Hz: 25fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)
	60Hz: 30fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
	Main stream: H.265+/H.265/H.264+/ H.264
Video Compression	Sub-stream/Third stream/Fourth stream/Fifth stream/custom stream:
	H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 16 Mbps
Н.264 Туре	Baseline Profile/Main Profile/High Profile
Н.265 Туре	Main Profile
H.264+	Main stream supports
H.265+	Main stream supports
Bit Rate Control	CBR/VBR
Stream Type	Main stream/Sub-stream/third stream/fourth stream/fifth stream/custom stream
Scalable Video Coding (SVC)	H.265 and H.264 support
Region of Interest (ROI)	4 fixed regions for each stream
Audio	
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/32Kbps(PCM)/8- 320Kbps(MP3)
Audio Turo	
Audio Type	mono sound



Network		
Simultaneous Live View	Up to 20 channels	
API	Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, ISUP	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, SRTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP,	
	PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS	
Smooth Streaming	Yes	
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 1.2	
	microSD/SDHC/SDXC card (256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)	
Network Storage	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: IE8+	
Web Browser	Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+	
	Local service: Chrome 41.0+, Firefox 30.0+	
Image		
Smart IR	The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure.	
Day/Night Switch	Day/Night/Auto/Schedule/Triggered by Alarm In	
Target Cropping	Yes	
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24bit bmp format	
Image Enhancement	BLC, HLC, 3D DNR, Defog, EIS, Distortion Correction	
Image Parameters Switch	Yes	
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser	
SNR	≥52dB	
Interface		
Alarm	2 inputs, 2 outputs (max. 24 VDC, 1A)	
Audio	1 input (line in), 1 output (line out), 3.5 mm connector, 2 channels, 1 built-in microphone	
RS-485	1 RS-485(half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)	
Video Output	1 Vp-p Composite Output (75 $\Omega$ /CVBS) (For debugging only)	
On-board Storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB	
Hardware Reset	Yes	
Communication Interface	1 RJ45 100M/1000M self-adaptive Ethernet port	
Power Output	12 VDC, max. 200 mA (supported by all power supply types)	
Smart Feature-Set		
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)	



	Line cressing detection up to A lines configurable
	Line crossing detection, up to 4 lines configurable
	Intrusion detection, up to 4 regions configurable
Creart Event	Region entrance detection, up to 4 regions configurable
Smart Event	Region exiting detection, up to 4 regions configurable
	Unattended baggage detection, up to 4 regions configurable
	Object removal detection, up to 4 regions configurable,
	Scene change detection, audio exception detection, defocus detection
Counting	Yes
Intelligent (Deep Learning Algo	-
	Detects up to 30 faces simultaneously
	Supports swing left and right from -60° to 60°, tilt up and down from -30° to 30°
Face Recognition	Up to 3 face libraries with up to 30000 faces each are configurable
	Recognizes face identity via face modeling, grading and comparing to those in face
	library
	Supports face library encryption
Multi-target-type Detection	Supports simultaneous detection of human body and face
	Gets 8 face features and 13 human body features
	Supports entering/exiting counting (track 30 targets simultaneously)
	Supports facial recognition
Face Counting	Supports 24-hour dynamic deduplication and face library deduplication (up to 3 face
5	libraries with up to 30000 faces)
	Supports reporting alarms when detecting the face is the same as that in the face
	library
Hard Hat Detection	Detects up to 30 human targets simultaneously;
	Supports up to 4 shield regions
	Detects queuing-up people number, and waiting time of each person
Queue Management	Generates reports to compare the efficiency of different queuing-ups and display the
-	changing status of one queue
	Supports raw data export for further analysis
	Line crossing, intrusion, region entrance, region exiting
Premier Protection	Support alarm triggering by specified target types (human and vehicle)
	Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag,
Company	etc.
General	
	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm
	output, trigger recording, trigger capture
Linkage Method	Trigger recording : memory card, network storage, pre-record and post-record
	Trigger captured pictures uploading: FTP, SFTP, HTTP, NAS, Email
	Trigger notification: HTTP, ISAPI, alarm output, Email
Online Upgrade	Yes
Dual Backup	Yes
Firmware Version	V5.5.121
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, 5 streams and up to 5 custom streams, EPTZ, heartbeat, mirror, privacy
	masks, flash log, password reset via e-mail, pixel counter
Software Reset	Yes



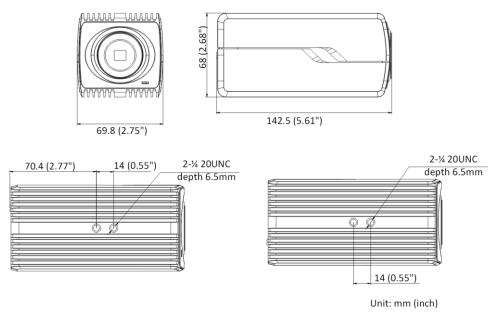
Power SupplyPoE: 802.3af, Type 1 Class 3Power Consumption and/F11: With extra load: 12VDC, 0.84A, 24VAC, 0.69A, 50/60Hz, 10.1W; PoE802.3af,36-57VDC), 0.29-0.19A, class 3CurrentWithout /F11: With extra load: 12VDC, 1A,24VAC, 0.79A, 50/60Hz, 12W; PoE802.3af,36-57VDC), 0.34-0.21A, class 3Power InterfaceTwo-core terminal blockCamera MaterialAluminum alloy bodyScrew MaterialMild steelCamera Dimension142.5× 69.8× 68 mm (5.61" × 2.75" × 2.68")Package Dimension315 × 140 × 140 mm (12.4" × 5.51" > 5.51")Camera Weight730g (1.96 lb.)With Package Weight1115g (2.99 lb.)MetadataMetadata of intrusion detection, line crossing detection, region entrance detection region exiting detection, unattended baggage detection, object removal, face captu and queue management are supported.ApprovalFCC (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 (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)	Sustainability	Yes
Conditions30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)Power Supply12 VDC ± 24.9%, two-core terminal block, reverse polarity protection; 24 VAC ± 24. PoE: 802.3af, Type 1 Class 3Power Consumption and(802.3af, 36 57 VDC), 0.29-0.19A, class 3CurrentWithout /F11: With extra load: 12 VDC, 1A,24 VAC, 0.79A, 50/60Hz, 10.1W; PoE (802.3af, 36 57 VDC), 0.34-0.21A, class 3Power InterfaceTwo-core terminal blockCamera MaterialAluminum alloy bodyCarera MaterialMild steelCamera MaterialMild steelCamera Weight730g (1.96 lb.)With Package Weight115g (2.99 lb.)Metadatametadata of intrusion detection, line crossing detection, object removal, face capt and queue management are supported.ApprovalClass BClassClass BFCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN (ICE-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015); IC (ICE-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2013); CE-LVD (EN 60950-1): 2005 + Am 1: 2009 + Am 2: 2013); BI (S1 13252(Part 1): 2010+A1: 2013+A2: 2015); ILO (IEC/EN 60950-1)EnvironmentCE-ROHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006 Fiber OpticalFiber Optical/F11: 155 MbpsFiber Type/F11: 11C fiber optical interface, SFP module, single mode, 20 km transmission	Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Power SupplyPoE: 802.3af, Type 1 Class 3Power Consumption and(802.3af, 36-57VDC), 0.29-0.19A, class 3CurrentWithout / F11: With extra load: 12VDC, 1A, 24VAC, 0.79A, 50/60Hz, 12W; POE (802.3af, 36-57VDC), 0.34-0.21A, class 3Power InterfaceTwo-core terminal blockCamera MaterialAluminum alloy bodyScrew MaterialMild steelCamera Dimension142.5 × 69.8 × 68 mm (5.61" × 2.75" × 2.68")Package Dimension315 × 140 × 140 mm (12.4" × 5.51" × 5.51")Camera Weight730g (1.96 lb.)With Package Weight115g (2.99 lb.)MetadataMetadata of intrusion detection, line crossing detection, object removal, face capt and queue management are supported.ApprovalClass BEMCClass BFCC (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 (A\$/NZS CISPR 32: 2015); IC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)SafetyUL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); ILOA (IEC/EN 60950-1)EnvironmentCE-ROHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006 Fiber OpticalTransfer Rate/F11: 155 MbpsInterface Type/F11: 1C (interfaceFiber Type/F11: 1L C fiber optical interface, SFP module, single mode, 20 km transmission		-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
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CurrentWithout /F11: With extra load: 12VDC, 1A,24VAC, 0.79A, 50/60Hz, 12W; PoE (802.3af,36-57VDC), 0.34-0.21A, class 3Power InterfaceTwo-core terminal blockCamera MaterialAluminum alloy bodyScrew MaterialMild steelCamera Dimension142.5 × 69.8 × 68 mm (5.61" × 2.75" × 2.68")Package Dimension315 × 140 × 140 mm (12.4" × 5.51" × 5.51")Camera Weight730g (1.96 lb.)With Package Weight1115g (2.99 lb.)MetadataMetadata of intrusion detection, line crossing detection, region entrance detection region exiting detection, unattended baggage detection, object removal, face capting and queue management are supported.ApprovalClassClassClass BFCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 		/F11: With extra load: 12VDC, 0.84A, 24VAC, 0.69A, 50/60Hz, 10.1W; PoE
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Camera Dimension142.5 × 69.8 × 68 mm (5.61" × 2.75" × 2.68")Package Dimension315 × 140 × 140 mm (12.4" × 5.51" × 5.51")Camera Weight730g (1.96 lb.)With Package Weight1115g (2.99 lb.)MetadataMetadata of intrusion detection, line crossing detection, region entrance detection region exiting detection, unattended baggage detection, object removal, face captur and queue management are supported.ApprovalClassClassClass BFCC (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 (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)SafetyUL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)EnvironmentCE-ROHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006Fiber Optical/F11: 155 MbpsInterface Type/F11: LC interfaceFiber Type/F11: 1 LC fiber optical interface, SFP module, single mode, 20 km transmission	Camera Material	Aluminum alloy body
Package Dimension315 × 140 × 140 mm (12.4" × 5.51" × 5.51")Camera Weight730g (1.96 lb.)With Package Weight1115g (2.99 lb.)MetadataMetadata of intrusion detection, line crossing detection, region entrance detection region exiting detection, unattended baggage detection, object removal, face capture and queue management are supported.ApprovalClass BClassClass BEMC61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (As/NZS CISPR 32: 2015); IC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)SafetyUL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)EnvironmentCE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006Fiber OpticalTransfer RateInterface Type/F11: 155 MbpsInterface Type/F11: 11 LC interfaceFiber Type/F11: 11 LC fiber optical interface, SFP module, single mode, 20 km transmission	Screw Material	Mild steel
Camera Weight730g (1.96 lb.)With Package Weight1115g (2.99 lb.)MetadataMetadata of intrusion detection, line crossing detection, region entrance detection region exiting detection, unattended baggage detection, object removal, face capter and queue management are supported.ApprovalClass BClassClass BFCC (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 (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)SafetyUL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)EnvironmentCE-ROHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006 Fiber OpticalTransfer Rate/F11: 155 MbpsInterface Type/F11: 1LC fiber optical interface, SFP module, single mode, 20 km transmission	Camera Dimension	142.5 × 69.8 × 68 mm (5.61" × 2.75" × 2.68")
With Package Weight1115g (2.99 lb.)MetadataMetadata of intrusion detection, line crossing detection, region entrance detectionMetadataMetadata of intrusion detection, unattended baggage detection, object removal, face capture and queue management are supported.ApprovalClassClassClass BFCC (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 (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)EMCUL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)EnvironmentCE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006Fiber OpticalTransfer Rate Interface TypeFiber Type/F11: 1LC interface /F11: 1 LC fiber optical interface, SFP module, single mode, 20 km transmission	Package Dimension	315 × 140 × 140 mm (12.4" × 5.51" × 5.51")
MetadataMetadataMetadataMetadataMetadataMetadataregion exiting detection, unattended baggage detection, object removal, face capture and queue management are supported.ApprovalClassClass BFCC (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 (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)EMCG1000-3-3: 2013, EN 50130-4: 2011 +A1: 2019 + Am 2:2013); CE-LVD (EN 60950-1); CB (IEC 60950-1); CD (IEC 60950-1))SafetyUL (UL 60950-1); CB (IEC 60950-1)2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)EnvironmentCE-ROHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006Fiber OpticalTransfer RateInterface Type/F11: 155 MbpsInterface Type/F11: 1 LC interfaceFiber Type/F11: 1 LC fiber optical interface, SFP module, single mode, 20 km transmission	Camera Weight	730g (1.96 lb.)
MetadataMetadata of intrusion detection, line crossing detection, region entrance detection region exiting detection, unattended baggage detection, object removal, face captur and queue management are supported.ApprovalClassClass BClassClass BFCC (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 (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)SafetyUL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)EnvironmentCE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006Fiber Optical	With Package Weight	1115g (2.99 lb.)
Metadataregion exiting detection, unattended baggage detection, object removal, face capture and queue management are supported.ApprovalClassClass BFCC (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 (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)EMCG1000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)SafetyUL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)EnvironmentCE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006Fiber Optical/F11: 155 MbpsInterface Type/F11: 1C interfaceFiber Type/F11: 1 LC fiber optical interface, SFP module, single mode, 20 km transmission	Metadata	
ApprovalClassClass BFCC (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 (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)SafetyUL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)EnvironmentCE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006Fiber Optical/F11: 155 MbpsInterface Type/F11: 1LC interfaceFiber Type/F11: 1LC fiber optical interface, SFP module, single mode, 20 km transmission	Metadata	Metadata of intrusion detection, line crossing detection, region entrance detection,
ApprovalClassClass BFCC (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 (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)SafetyUL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)EnvironmentCE-ROHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)Fiber OpticalTransfer Rate Interface TypeFiber Type/F11: LC interface /F11: 1 LC fiber optical interface, SFP module, single mode, 20 km transmission		region exiting detection, unattended baggage detection, object removal, face capture
ClassClass BFCC (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 (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)SafetyUL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)EnvironmentCE-ROHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)Fiber OpticalTransfer RateInterface Type/F11: 155 MbpsInterface Type/F11: LC interfaceFiber Type/F11: 1 LC fiber optical interface, SFP module, single mode, 20 km transmission		and queue management are supported.
FCC (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 (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)SafetyUL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)EnvironmentCE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)Fiber Optical/F11: 155 MbpsInterface Type/F11: LC interfaceFiber Type/F11: 1 LC fiber optical interface, SFP module, single mode, 20 km transmission	Approval	
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(ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)    (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); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)    Environment  CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006    Fiber Optical		FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN
Safety    UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN      60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part    1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)      Environment    CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006      Fiber Optical    /F11: 155 Mbps      Interface Type    /F11: LC interface      Fiber Type    /F11: 1 LC fiber optical interface, SFP module, single mode, 20 km transmission	EMC	61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC
Safety60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)EnvironmentCE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006Fiber OpticalTransfer RateTransfer Rate/F11: 155 MbpsInterface Type/F11: LC interfaceFiber Type/F11: 1 LC fiber optical interface, SFP module, single mode, 20 km transmission		(ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)
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EnvironmentCE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006Fiber OpticalTransfer Rate/F11: 155 MbpsInterface Type/F11: LC interfaceFiber Type/F11: 1 LC fiber optical interface, SFP module, single mode, 20 km transmission		60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part
Fiber Optical    Transfer Rate  /F11: 155 Mbps    Interface Type  /F11: LC interface    Fiber Type  /F11: LC fiber optical interface, SFP module, single mode, 20 km transmission		1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)
Transfer Rate/F11: 155 MbpsInterface Type/F11: LC interfaceFiber Type/F11: 1 LC fiber optical interface, SFP module, single mode, 20 km transmission	Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Interface Type  /F11: LC interface    Fiber Type  /F11: 1 LC fiber optical interface, SFP module, single mode, 20 km transmission	Fiber Optical	
Fiber Type /F11: 1 LC fiber optical interface, SFP module, single mode, 20 km transmission	Transfer Rate	/F11: 155 Mbps
Fiber Type	Interface Type	/F11: LC interface
distance, 1310 nm (TX) and 1550 nm (RX), 155 Mbps transmission rate	Fiber Type	/F11: 1 LC fiber optical interface, SFP module, single mode, 20 km transmission
		distance, 1310 nm (TX) and 1550 nm (RX), 155 Mbps transmission rate
Transmission Wavelength /F11: TX:1310 nm, RX:1550 nm	Transmission Wavelength	/F11: TX:1310 nm, RX:1550 nm
Transmission Distance /F11: 20 km	Transmission Distance	/F11: 20 km

## Available Model

iDS-2CD7046G0-AP/F11, iDS-2CD7046G0-AP, iDS-2CD7046G0



## Dimension



### Accessory





DS-1292ZJ Wall Mount

DS-1299ZJ Pendant Mount





DS-1332HZ **Indoor Housing** 

DS-1293ZJ

Wall Mount

DS-1331HZ-B **Outdoor Housing** + DS-2202ZJ **Integrated Mount** 



DS-1214ZJ **Horizontal Pole** Mount



DS-1269ZJ **Pendant Mount** 



DS-1233ZJ **Column Mount** 

**HIKVISION**°



HV3816D-8MPIR 3.8 to 16 mm DC Iris



HV0415D-MP 4 to 15 mm DC Iris



HV1140P-8MPIRA 11 to 40 mm P-Iris



HV1140D-8MPIRA 11 to 40 mm DC Iris



HV3816P-8MPIR 3.8 to 16 mm P-iris



HV0733D-6MP 7 to 33 mm DC Iris

Distributed by

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