

# 8MP(4K) HDMI Fixed Dome Network Camera



MODEL **THK-DS-2CD2185G0-IMS**



## KEY FEATURES

- High quality imaging with 8MP(4K) resolution
- Efficient H.265+ compression technology
- Clear imaging against strong back light due to 120 dB true WDR technology
- Direct HD live view with HDMI output
- Vandal proof (IK10)
- Robust structure design with full metal materials.

# THK-DS-2CD2185G0-IMS

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### SPECIFICATIONS

Model	THK-DS-2CD2185G0-IMS
<b>Camera</b>	
Image Sensor	1/2.5" Progressive Scan CMOS
Min. Illumination	Color: 0.028 Lux @(F2.0, AGC ON), 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Day & Night	IR Cut Filter
WDR	120 dB
Angle Adjustment	Pan: 0° to 355°, tit: 0° to 75°, rotate: 0° to 355°
<b>Lens</b>	
Lens Type	2.8 mm
Aperture	F2.0
FOV	2.8 mm, horizontal FOV: 102°, vertical FOV: 53°, diagonal FOV: 124°
Lens Mount	M12
<b>Illuminator</b>	
IR Range	Up to 30 m
Wavelength	850 nm
<b>Video</b>	
Max. Resolution	3840 × 2160
Main Stream	50Hz: 20fps (3840 × 2160), 25fps (3072 × 1728, 1920 × 1080, 1280 × 720) 60Hz: 20fps (3840 × 2160, 3072 × 1728, 1920 × 1080, 1280 × 720)
Sub Stream	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 20fps (640 × 480, 640 × 360, 320 × 240)
Video Compression	Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG
H.264 Type	Main Profile/High Profile
H.264+	No
H.265 Type	Main Profile
H.265+	No
Video Bit Rate	32 Kbps to 16 Mbps
* When the main stream resolution is 3840 × 2160, max frame rate is 20 fps for all streams.	
<b>Audio</b>	
Smart Event	Line crossing detection, intrusion detection, unattended baggage detection, object removal detection, face detection, scene change detection
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Face Detection	Yes
Linkage Method	Trigger recording: memory card, network storage, pre-record and post-record Trigger captured pictures uploading: FTP, HTTP, NAS, Email Trigger notification: HTTP, ISAPI, Email

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Model	THK-DS-2CD2185G0-IMS
<b>Audio</b>	
Region of Interest	1 fixed region for main stream and sub-stream
<b>Image</b>	
Image Enhancement	BLC, HLC, 3D DNR
Image Setting	Saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client soÖware or web browser
Day/Night Switch	Day/Night/Auto/Schedule/Triggered by Alarm In
<b>Network</b>	
Network Storage	microSD/SDHC/SDXC card (128 GB), local storage and NAS (NFS,SMB/CIFS), ANR Together with high-end Hikvision memory card, memory card encryption and health detection are supported
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP™, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS
API	ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS 1.2, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, TLS1.2
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users, 3 levels: administrator, operator and user
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local Service: Chrome 41.0+, Firefox 30.0+
<b>Interface</b>	
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
Audio	1 input (line in/mic in, terminal block), 1 output ( two-core terminal block), mono sound
Alarm	1 input, 1 output (max. 12VDC, 30 mA)
Video Output	1 HDMI™, type D, female plug (-M)
On-board storage	Built-in micro SD/SDHC/SDXC slot, up to 128 GB
HDMI Output	1920 × 1080 @50/60 fps(50/60 Hz), 1280 × 720 @50/60 fps(50/60 Hz)
<b>General</b>	
Web Client 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	Anti-flicker, heartbeat, mirror, privacy masks, password reset via e-mail, pixel counter, HTTP listening
Reset	Reset via reset button on camera body, web browser and client soÖware

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<b>General</b>	
Storage Conditions	Socket style interface: 12 VDC $\pm$ 25%, $\Phi$ 5.5 mm coaxial power plug; reverse polarity protection; PoE (802.3af, class 3) Pigtail style interface: 12 VDC $\pm$ 25%, two-core terminal block; reverse polarity protection; PoE (802.3af, class 3)
Power Supply	12 VDC, 0.6 A, max. 7 W; PoE (802.3af, 36 V to 57 V), 0.3 A to 0.2 A, max. 8. 5W
Power Consumption and Current	Metal
Material	Camera: $\Phi$ 119 $\times$ 90 mm ( $\Phi$ 4.7" $\times$ 3.5")
Dimensions	Yes
Weight	Camera: Approx. 520 g (1.1 lb.) With package: Approx. 750 g (1.7 lb.)
<b>Approval</b>	
EMC	47 CFR Part 15, Subpart B; EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014; AS/NZS CISPR 32: 2015; ICES-003: Issue 6, 2016; KN 32: 2015, KN 35: 2015
Safety	UL 60950-1, IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IS 13252(Part 1):2010+A1:2013+A2:2015
Environment	2011/65/EU, 2012/19/EU, Regulation (EC) No 1907/2006
Protection	Ingress protection: IP42(IEC 60529-2013), IK10 (IEC 62262:2002)

### ACCESSORY



**DS-1271ZJ-120**  
Pendant Mount



**DS-1272ZJ-120B**  
Wall Mount

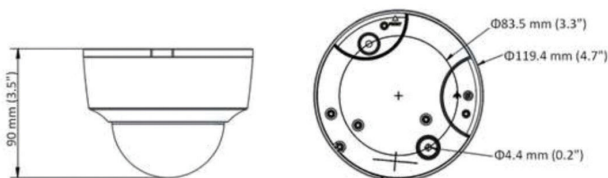


**DS-1272ZJ-120-TR15**  
Wall Mount



**DS-1280ZJ-DM46**  
Junction Box

### DIMENSION



### FCC Compliance Statement



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:  
(1) This device may not cause harmful interference, and  
(2) This device must accept any interference received, including interference that may cause undesired operation.