

DS-2CD2185FWD-I(S)

8 MP Outdoor IR Fixed Network Dome Camera



- 1/2.5" (8 MP) Progressive Scan CMOS
- Up to 3840 x 2160 Resolution @ 20 fps
- Up to 100 ft (30 m) EXIR 2.0 Range
- 2.8 mm, 4 mm, and 6 mm Lens Options
- H.265+, H.265, H.264+, H.264
- 120 dB True WDR
- MicroSD Card Slot Supports 128 GB
- IP67, IK10 Protection
- 12 VDC and PoE (802.3af)

The Hikvision DS-2CD2185FWD-I(S) Outdoor IR Fixed Network Dome Camera provides high definition output. It supports H.265+ video compression, which assures savings in bandwidth and storage.

The camera is equipped with a 2.8 mm, 4 mm, or 6 mm lens, and offers an EXIR 2.0 range of up to 100 ft (30 m).

Smart features such as line crossing, intrusion, unattended luggage, and scene change detection are also supported.

Available models:

DS-2CD2185FWD-I

DS-2CD2185FWD-IS: Audio I/O and alarm I/O



Specifications

DS-2CD2185FWD-I(S)	
Camera	
Image Sensor	1/2.5" progressive scan CMOS
Minimum Illumination	Color: 0.028 lux @ (f/2.0, AGC on), 0 lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Day/Night	IR cut filter
Digital Noise Reduction	3D DNR
WDR	120 dB
Three-Axis Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Lens	
Focal length	2.8 mm, 4 mm, or 6 mm fixed lens
Aperture	f/2.0
FOV	2.8 mm, horizontal field of view: 102°; 4 mm, horizontal field of view: 79°; 6 mm, horizontal field of view: 50°
Lens Mount	M12
IR	
IR Range	Up to 100 ft (30 m)
Wavelength	850 nm
Compression Standard	
Video Compression	Main stream: H.265+/H.265/H.264+/H.264; sub stream: H.265+/H.265/H.264+/H.264/MJPEG; third stream: H.265+/H.265/H.264+/H.264
H.264 Type	Main profile/high profile
H.264+	Main stream supported
H.265 Type	Main profile
H.265+	Main stream supported
Video Bit Rate	32 Kbps to 16 Mbps
Smart Features	
Behavior Analysis	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection
Exception Detection	Scene change detection
Face Detection	Yes
Image	
Maximum Resolution	3840 × 2160
Main Stream	20 fps (3840 × 2160), 30fps (3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)
Sub Stream	30 fps (640 × 480, 640 × 360, 320 × 240)
Third Stream	30 fps (1280 × 720, 640 × 360, 352 × 240)
Image Enhancement	BLC/3D DNR/HLC
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness and white balance adjustable by client software or Web browser
Region of Interest	Supports one fixed region for main stream and sub-stream separately
Day/Night Switch	Day/night/auto/schedule
Audio and Alarm (-S)	
Audio Compression	6.711/6.722.1/6.726/MP2L2/PCM
Audio Bit Rate	64 Kbps (6.711)/16 Kbps (6.722.1)/16 Kbps (6.726)/32–192 Kbps (MP2L2)
Environment Noise Filtering	Yes
Audio I/O	Yes, mono soundtrack
Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Audio	1 audio input (line in), 1 audio output interface, terminal block
Alarm	1 alarm input, 1 alarm output (maximum 12 VDC, 30 mA), terminal block
Network	
Network Storage	Support microSD/SDHC/SDXC card (128 GB), local storage and NAS (NFS, SMB/CIFS), ANR
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1x, QoS, IPv6, Bonjour
General Function	One-key reset, anti-flicker, three streams, heartbeat, password protection, privacy mask, watermark, IP address filter
Standard	ONVIF (PROFILE S, PROFILE G), ISAPI
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users; 3 levels: administrator, operator, and user
Client	iVMS-4200, iVMS-4500, Hik-Connect
Web Browser	Plug-in required live view: IE 8+, Chrome 41.0 to 44, Firefox 30.0 to 51, Safari 8.0 to 11 Plug-in free live view: Chrome 45.0+, Firefox 52.0+
Interface	
Communication Interface	1-port RJ-45 10M/100M self-adaptive Ethernet port
On-Board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Reset Button	Yes
General	
Operating Conditions	-22° to 140° F (-30° to 60° C), humidity 95% or less (non-condensing)
Power Supply	12 VDC ±25%, 6.2 W, PoE (802.3af, 36 V to 57 V, class 3), 9 W
Protection Level	IP67, IK10
Material	Metal and plastic
Dimensions	Ø4.4" × 3.2" (Ø111 mm × 82.4 mm)
Weight	1.1 lbs (0.50 kg)

Accessories (not included)

							
WMS Wall Mount Short w/Junction Box	PC110 110 mm Pendant Cap	CM Corner Mount	PM Pole Mount	AB110 Angled Base	CPM Pendant Mount	CB110 Conduit Base	SRS Sun Rain Shield

Dimensions

