



## 8MP Network Dome Camera with 2.8mm

DS-2CD2185FWD-I 2.8mm

SKU: 16258    UPC: 842571000000

The Hikvision DS-2CD2185FWD-I 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, 6 mm or 8 mm fixed 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. This is the black finish version of the product.

### Features

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, 6mm or 8 mm Fixed Lens  
H.265+, H.265, H.264+, H.264  
120 dB True WDR  
Audio and Alarm Input/Output  
MicroSD Card Slot Supports 128 GB  
IP67, IK10 Protection  
Black Finish  
12 VDC and PoE (802.3af)

Camera Image Sensor 1/2.5" Progressive Scan CMOS Min. Illumination Color: 0.01 lux @(F1.2, AGC ON), 0.028 Lux @(F2.0, AGC ON), 0 lux with IR Shutter Speed 1/3 s to 1/100,000 s Slow Shutter Yes Wide Dynamic Range 120dB Day & Night IR Cut Filter Angle Adjustment Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355° Lens Focus Fixed Lens Type 2.8/4/6/8/12 mm FOV 2.8 mm, horizontal field of view: 102°; 4 mm, horizontal field of view: 79°; 6 mm, horizontal field of view: 50°; 8 mm, horizontal field of view: 40°; 12 mm, horizontal field of view: 23° Aperture F2.0 Lens Mount M12 IR IR Range 30 m Video Max. Resolution 3840 x 2160 Main Stream 50Hz: 20 fps (3840 x 2160), 25 fps (3072 x 1728, 2560 x 1440, 1920 x 1080, 1280 x 720); 60Hz: 20 fps (3840 x 2160), 30fps (3072 x 1728, 2560 x 1440, 1920 x 1080, 1280 x 720) Sub Stream 50Hz: 25fps (640 x 480, 640 x 360, 320 x 240); 60Hz: 30fps (640 x 480, 640 x 360, 320 x 240) Third Stream 50Hz: 25fps (1280 x 720, 640 x 360, 352 x 288); 60Hz: 30fps (1280 x 720, 640 x 360, 352 x 240) Video Compression Main stream: H.265/H.264; Sub-stream: H.265/H.264/MJPEG; Third stream: H.265/H.264 Video Bit Rate 32 Kbps to 16 Mbps H.264 Type Main Profile/High Profile H.265 Type Main Profile H.264+ Main stream supports H.265+ Main stream supports Region Of Interest (ROI) Support 1 fixed region for main stream and sub-stream separately Audio Audio Compression G722.1/G.711/G726/MP2L2/PCM/MP3 Audio Bit Rate 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/8Kbps-320Kbps(MP3) Network Simultaneous Live View Up to 6 channels API ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, Ehome Protocols TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS User/Host Up to 32 users, 3 levels: Administrator, Operator and User 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, TLS 1.2 Network Storage Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS, SMB/CIFS), ANR 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+ Image Day/Night Switch Day/Night/Auto/Schedule DNR 3D DNR Image Enhancement BLC/3D DNR/HLC Image Settings Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client



software or web browser Interface On-Board StorageBuilt-in Micro SD/SDHC/SDXC slot, up to 128G Hardware  
ResetYes Communication Interface1 RJ45 10M/100M self-adaptive Ethernet port Event Smart EventLine crossing  
detection, intrusion detection, unattended baggage detection, object removal detection Face DetectionYes Exception  
DetectionScene change detection General Firmware VersionV5.5.80 General FunctionOne-key reset, anti-flicker, three  
streams, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter Startup And Operating  
Conditions-30 °C to +60 °C (-22 °F to +140 °F), Humidity 95% or less (non-condensing) Power Supply12 VDC ± 25%,  
6.2 W, PoE(802.3af, 36 V to 57 V,class 3), 9 W Camera DimensionCamera: 111 x 82.4 mm (4.4" x 3.2");Package:  
134 x 134 x 108 mm (5.27" x 5.27" x 4.25") Camera WeightCamera: 500 g (1.1 lb.)