

DS-2CD2045FWD-I

4 MP Outdoor IR Fixed Network Bullet Camera

DarkFighter™



The Hikvision DS-2CD2045FWD-I Outdoor IR Fixed Network Bullet Camera provides high definition output. It supports H.265+ video compression, which assures savings in bandwidth and storage.

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

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

- **1/2.5" (4 MP) Progressive Scan CMOS**
- **Up to 2688 x 1520 Resolution @ 30 fps**
- **Minimum Illumination:**
Color: 0.014 lux @ (f/1.6, AGC on)
0 lux with IR
- **Darkfighter Technology**
- **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**
- **120dB True WDR**
- **MicroSD Card Slot Supports 128 GB**
- **IP67 Protection**
- **12 VDC and PoE (802.3af)**

Available models:
DS-2CD2045FWD-I



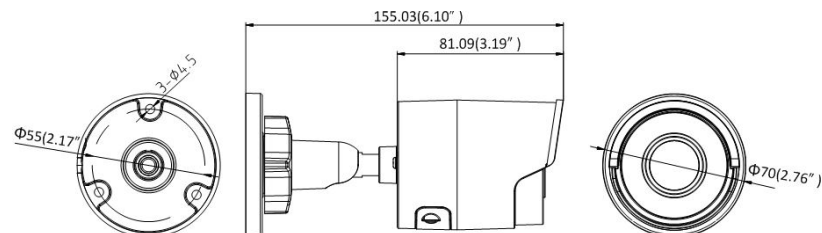
Specifications

DS-2CD2045FWD-I	
Camera	
Image Sensor	1/2.5" progressive scan CMOS
Minimum Illumination	Color: 0.014 lux @ (f/1.6, AGC on), 0 lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Auto-Iris	No
Day/Night	IR Cut Filter
Digital Noise Reduction	3D DNR
WDR	120dB
Three-Axis Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Lens	
Focal length	2.8 mm, 4 mm, and 6 mm
Aperture	f/1.6
FOV	2.8 mm, horizontal FOV: 109°, vertical FOV: 60°, diagonal FOV: 131° 4 mm, horizontal FOV: 88°, vertical FOV: 46°, diagonal FOV: 105° 6 mm, horizontal FOV: 53°, vertical FOV: 30°, diagonal FOV: 61°
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+	Yes
H.265 Type	Main profile
H.265+	Yes
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
Region of Interest	Supports one fixed region for main stream and sub-stream
Image	
Maximum Resolution	2688 × 1520
Main Stream	30 fps (2688 × 1520, 2304 × 1296, 1920 × 1080)
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
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser
Target Cropping	No
SVC	H.264 and H.265 encoding support
Day/Night Switch	Day/night/auto/schedule
Network	
Network Storage	Supports microSD/SDHC/SDXC card (128G), 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
API	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	IE 8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+
Interface	
Video Output	No
Communication Interface	1-port RJ45 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° F to 140° F (-30° C to 60° C), humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, Ø 5.5 mm coaxial plug power; PoE(802.3af, class 3)
Power Consumption and Current	12 VDC, 0.5 A, maximum 5.5 W, PoE (802.3af, 36V to 57V), 0.2 A to 0.1 A, maximum 7 W
Protection Level	IP67
Material	Metal
Dimensions	Ø 2.8" × 6.1" (Ø 70 mm × 155 mm)
Weight	0.90 lbs (0.41 kg)

Accessories



Dimensions



Units: mm (inches)