

DS-2CD2045FWD-I 4 MP IR Fixed Bullet Network Camera



Key Features

- 1/2.5" Progressive Scan CMOS
- 2560 × 1440@30 fps
- 2.8, 4, 6, 8, 12 mm fixed lens
- Color: 0.009 lux @(F1.2, AGC ON), 0.016 lux @(F1.6, AGC ON), 0 lux with IR
- H.265+, H.265, H.264+, H.264
- 4 Behavior analyses
- 120dB WDR
- BLC/3D DNR/ROI
- IP67
- Built-in microSD/SDHC/SDXC card slot, up to 128 GB



Specifications

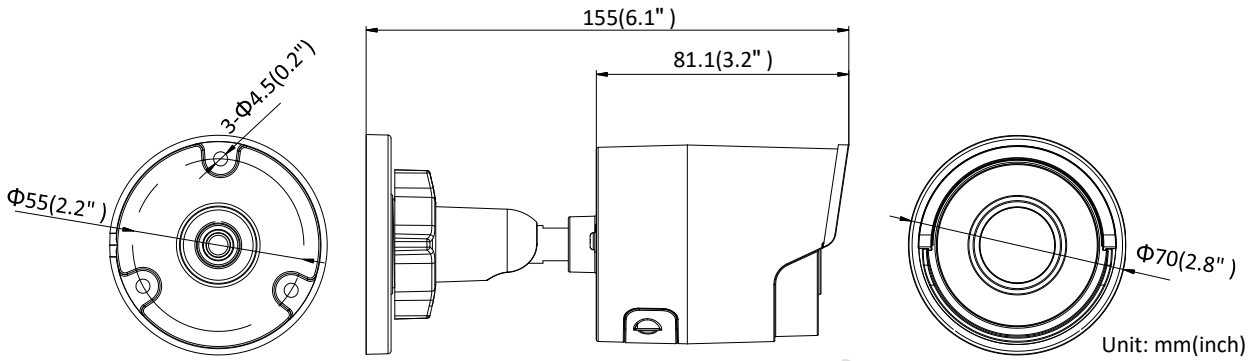
| Camera | |
|-----------------------------|---|
| Image Sensor | 1/2.5" Progressive Scan CMOS |
| Min. Illumination | Color: 0.009 lux @(F1.2, AGC ON), 0.016 lux @(F1.6, AGC ON), 0 lux with IR |
| Shutter Speed | 1/3 s to 1/100,000 s |
| Slow Shutter | Yes |
| Auto-Iris | No |
| Day & Night | IR Cut Filter |
| Digital Noise Reduction | 3D DNR |
| WDR | 120dB |
| 3-Axis Adjustment | Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360° |
| Lens | |
| Focal Length | 2.8, 4, 6, 8, 12 mm |
| Aperture | F1.6 |
| Focus | No |
| 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° 8 mm, horizontal FOV: 41°, vertical FOV: 23°, diagonal FOV: 48° 12 mm, horizontal FOV: 25°, vertical FOV: 14°, diagonal FOV: 29° |
| Lens Mount | M12 |
| IR | |
| IR Range | Up to 30 m |
| Wavelength | 850nm |
| Compression Standard | |
| Video Compression | Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/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 Feature-set | |
| Behavior Analysis | Line crossing detection, intrusion detection, object removal detection, unattended baggage detection |
| Exception Detection | Scene change detection |
| Face Detection | Yes |
| Region of Interest | Support 1 fixed region for main stream and sub-stream |
| Image | |
| Max. Resolution | 2560 × 1440 |
| Main Stream | 50Hz: 25 fps (2560 × 1440, 2304 × 1296, 1920 × 1080) 60Hz: 30 fps (2560 × 1440, 2304 × 1296, 1920 × 1080) |
| Sub-Stream | 50Hz: 25 fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30 fps (640 × 480, 640 × 360, 320 × 240) |

| | |
|-------------------------------|--|
| Third Stream | 50Hz: 25 fps (1280 × 720, 640 × 360, 352 × 288) 60Hz: 30 fps (1280 × 720, 640 × 360, 352 × 240) |
| Image Enhancement | BLC/3D DNR |
| Image Settings | Rotate mode, saturation, brightness, contrast, sharpness, and white balance 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 | Support microSD/SDHC/SDXC card (128G), local storage and NAS (NFS, SMB/CIFS), ANR |
| Alarm Trigger | Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD full, HDD error |
| 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, mirror, password protection, privacy mask, watermark, IP address filter |
| Firmware Version | V5.5.5 |
| 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, Hik-Connect, iVMS-5200, iVMS-4500 |
| Web Browser | IE8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+ |
| Interface | |
| Video Output | No |
| Communication Interface | 1 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 | -30 °C to +60 °C (-22 °F to +140 °F), humidity 95% or less (non-condensing) |
| Power Supply | 12 VDC ± 25%, Φ 5.5 mm coaxial plug power PoE(802.3af, class 3) |
| Power Consumption and Current | 12 VDC, 0.5 A, max. 5.5 W PoE (802.3af, 36V to 57V), 0.2 A to 0.1 A, max. 7 W |
| Protection Level | IP67 |
| Material | Metal |
| Dimensions | Camera: Φ70 × 155 mm (Φ2.8" × 6.1") Package: 216 × 121 × 118 mm (8.5" × 4.8" × 4.7") |
| Weight | Camera: 410 g (0.9 lb.) |

Available Model:

DS-2CD2045FWD-I (2.8/4/6/8/12 mm)

Dimensions



Accessory



DS-1280ZJ-XS
Junction Box

Distributed by



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