

## DS-2CD2H55FWD-IZS

### 5 MP WDR Varifocal Outdoor Network Turret Camera



## H.265+

- 1/2.9" (5 MP) Progressive Scan CMOS
- 2944 x 1656 Resolution @ 20 fps
- EXIR 2.0 with up to 100 ft (30 m) IR Range
- 2.8 to 12 mm Motorized Lens
- H.265+, H.265, H.264+, H.264
- 120dB WDR
- Audio and Alarm Input/Output
- MicroSD Card Slot Supports 128 GB
- Convenient Integrated Conduit Base
- IP67, IK10 Protection
- 12 VDC and PoE (802.3af)

Hikvision's DS-2CD2H55FWD-IZS provides important new technology for any security application. The H.265+ codec assures savings in bandwidth and storage. High quality and high resolution images are assured with the 5 MP (2944 x 1656) image sensor. EXIR 2.0 technology enhances night time performance.

**Available models:**  
DS-2CD2H55FWD-IZS



# Specifications

## DS-2CD2H55FWD-IZS

| Camera                        |   |
|-------------------------------|---|
| Image Sensor                  | 1/2.9" progressive scan CMOS  |
| Minimum Illumination          | Color: 0.01 lux @ (F1.2, AGC ON), 0 lux with IR; color: 0.014 lux @ (F1.4, AGC ON), 0 lux with IR   |
| Shutter Time                  | 1/3 s to 1/100,000 s  |
| Slow Shutter                  | Supported   |
| Day & Night                   | IR Cut Filter   |
| Digital Noise Reduction       | 3D DNR  |
| WDR                           | 120dB   |
| 3-Axis Adjustment             | Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°  |
| Lens                          |   |
| Focal length                  | 2.8 to 12 mm  |
| Aperture                      | F1.4  |
| FOV                           | Horizontal field of view: 88° to 29°; vertical field of view: 47.5° to 16.5°; diagonal field of view: 103° to 33°                           |
| Lens Mount                    | Ø14   |
| 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.264 / MJPEG; third stream: H.265 / H.264                                |
| H.264 Type                    | Main profile / high profile   |
| H.265 Type                    | Main profile  |
| Video Bit Rate                | 32 Kbps to 16 Mbps  |
| Audio Compression             | G.711 / G.722.1 / G.726 / MP2L2 / PCM   |
| Audio Bit Rate                | 64 Kbps (G.711) / 16 Kbps (G.722.1) / 16 Kbps (G.726) / 32 to 192 Kbps (MP2L2)  |
| Smart Features                |   |
| Behavior Analysis             | Line crossing detection, intrusion detection, unattended baggage detection, object removal detection  |
| Face Detection                | Supported   |
| Region of Interest            | Supports one fixed region for main stream and sub stream  |
| Image                         |   |
| Maximum Resolution            | 2944 × 1656   |
| Main Stream                   | 20 fps (2944 × 1656), 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)   |
| Sub Stream                    | 30 fps (640 × 360, 352 × 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                                       |
| Day/Night Switch              | Auto / schedule / triggered by alarm in   |
| Network                       |   |
| Network Storage               | Supports microSD / SDHC / SDXC card (128 GB), 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, alarm input, alarm output |
| 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, Hik-Connect, iVMS-5200   |
| Web Browser                   | IE 8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+   |
| Interface                     |   |
| Audio                         | 1 input (line in, 3.5 mm), 1 output (3.5 mm), mono sound  |
| Communication Interface       | 1 RJ45 10M/100M self-adaptive Ethernet port   |
| Alarm                         | 1 input, 1 output (maximum 12 VDC, 30 mA)   |
| Video Output                  | 1Vp-p composite output (75 Ω/BNC)   |
| On-Board storage              | Built-in microSD / SDHC / SDXC slot, up to 128 GB   |
| SVC                           | Supports H.264 and H.265 encoding   |
| Reset Button                  | Supported   |
| Audio                         |   |
| Environment Noise Filtering   | Supported   |
| Audio Sampling Rate           | 8 kHz / 16 kHz / 32 kHz / 44.1 kHz / 48 kHz   |
| General                       |   |
| Operating Conditions          | -22° F to 140° F (-30° C to 60° C)  |
| Power Supply                  | 12 VDC ± 25%, PoE (802.3af); terminal block for DC input  |
| Power Consumption and Current | 12 VDC, 0.92 A, maximum 11 W, PoE (802.3af, 36 to 57 V), 0.35 to 0.22 A, maximum 12.5 W   |
| Protection Level              | IP67, IK10, TVS 2000V lightning protection, surge protection and voltage transient protection   |
| Material                      | Metal   |
| Dimensions                    | Ø5.35" × 5.73" (Ø135.8 mm × 145.5 mm)   |
| Weight                        | With package: 2.69 lbs (1.22 kg), camera: 2.34 lbs (1.06 kg)  |

# Accessories

|   |   |   |   |   |   |
|---|---|---|---|---|---|
|  |  |  |  |  |  |
| <b>CPM</b><br>Ceiling Pendant Mount   | <b>PC135H</b><br>Pendant Cap  | <b>WML</b><br>Wall Mount Long w/Back Box  | <b>PM1</b><br>Vertical Pole Mount   | <b>CM1</b><br>Corner Mount  | <b>AB135</b><br>15° Angled Base   |

# Dimensions

