

## DS-2CD2T55FWD-I5/I8 5 MP IR Fixed Bullet Network Camera



### Key Features

- Up to 5 megapixel high resolution
- Max. 2944 × 1656 @20fps
- 2.8 mm/4mm/6mm/8 mm/12mm fixed lens, optional
- H.265, H.265+, H.264+, H.264
- 120dB Wide Dynamic Range
- 3D Digital Noise Reduction
- 12 VDC & PoE (802.3af)
- IR range: 50m, 80m, optional
- Support on-board storage, up to 128 GB
- IP67
- Color: 0.01 Lux @(F1.2; AGC ON), 0.028 Lux @(F2.0; AGC ON)



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## Specification

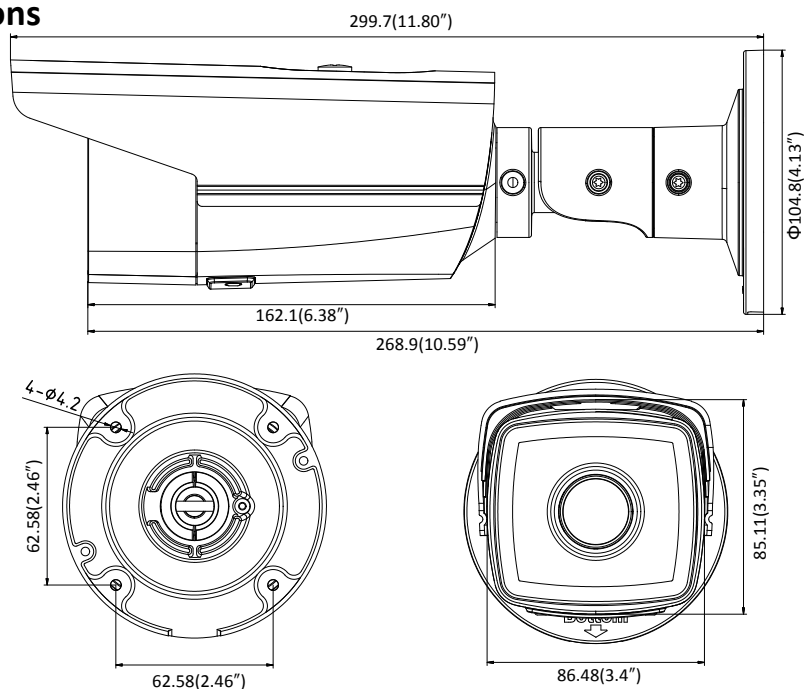
| <b>Camera</b>               |                                                                                                                                                                                                      |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/2.9" 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                                                                                                                                                                                                  |
| Focal length                | 2.8/4/6/8/12 mm                                                                                                                                                                                      |
| Focus                       | Fixed                                                                                                                                                                                                |
| FOV                         | 2.8 mm, horizontal field of view: 97°<br>4 mm, horizontal field of view: 78°<br>6 mm, horizontal field of view: 60°<br>8 mm, horizontal field of view: 39.5°<br>12 mm, horizontal field of view: 19° |
| Lens Mount                  | M12                                                                                                                                                                                                  |
| Iris                        | F2.0                                                                                                                                                                                                 |
| Day & Night                 | IR cut filter                                                                                                                                                                                        |
| DNR                         | 3D DNR                                                                                                                                                                                               |
| Wide Dynamic Range          | 120dB                                                                                                                                                                                                |
| 3-Axis Adjustment           | Pan: 0° to 360°, tilt: 0° to 100°, rotate: 0° to 360°                                                                                                                                                |
| <b>Compression Standard</b> |                                                                                                                                                                                                      |
| Video Compression           | Main stream: H.265/H.264<br>Sub stream: H.265/H.264/MJPEG<br>Third stream: H.265/H.264                                                                                                               |
| H.264 Type                  | Main Profile/High Profile                                                                                                                                                                            |
| H.264+                      | Main stream supports                                                                                                                                                                                 |
| H.265 Type                  | Main Profile                                                                                                                                                                                         |
| H.265+                      | Main stream supports                                                                                                                                                                                 |
| Video Bit Rate              | 32 Kbps to 16 Mbps                                                                                                                                                                                   |
| <b>Image</b>                |                                                                                                                                                                                                      |
| Max. Resolution             | 2944 × 1656                                                                                                                                                                                          |
| Main Stream                 | 50Hz: 20 fps (2944 × 1656), 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720)<br>60Hz: 20 fps (2944 × 1656), 30fps (2560 × 1440, 1920 × 1080, 1280 × 720)                                                |
| Sub Stream                  | 50Hz: 25fps (640 × 480, 640 × 360, 320 × 240)<br>60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)                                                                                                       |
| Third Stream                | 50Hz: 25fps (1280 × 720, 640 × 360, 352 × 288)<br>60Hz: 30fps (1280 × 720, 640 × 360, 352 × 240)                                                                                                     |
| Image Enhancement           | BLC/3D DNR/HLC                                                                                                                                                                                       |
| Image Settings              | Support rotate mode. Brightness, contrast, saturation, and sharpness are adjustable via web browser and client software                                                                              |
| ROI (Region of Interest)    | Support 1 fixed region for main stream and sub stream separately                                                                                                                                     |
| Day/Night Switch            | Day/Night/Auto/Schedule                                                                                                                                                                              |
| <b>Network</b>              |                                                                                                                                                                                                      |
| Network Storage             | Support microSD/SDHC/SDXC card (128G) local storage, NAS (NFS/SMB/CIFS), ANR                                                                                                                         |
| Alarm Trigger               | Motion Detection, Tampering Alarm, Network Disconnected, IP Address Conflict, Illegal Login, HDD full, HDD error                                                                                     |

|                              |                                                                                                                              |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Protocols                    | TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6 |
| Standard                     | ONVIF (PROFILE S, PROFILE G), ISAPI                                                                                          |
| General Function             | One-key Reset, Anti-Flicker, Heartbeat, Mirror, Password Protection, Privacy Mask, Watermark, IP Address Filter              |
| Firmware Version             | V5.5.52                                                                                                                      |
| API                          | ONVIF (PROFILE S, PROFILE G), ISAPI                                                                                          |
| Simultaneous Live View       | Up to 6 channels                                                                                                             |
| User/Host                    | Up to 32 users<br>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+                                                                           |
| <b>Interface</b>             |                                                                                                                              |
| 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                                                                                                                          |
| <b>Smart Feature-set</b>     |                                                                                                                              |
| Behavior Analysis            | Line crossing detection, intrusion detection, unattended baggage detection, object removal detection                         |
| Exception Detection          | Scene change detection                                                                                                       |
| Line Crossing Detection      | Cross a pre-defined virtual line, up to 1 pre-defined virtual lines supported                                                |
| Intrusion Detection          | Enter and loiter in a pre-defined virtual region, up to 1 pre-defined virtual regions supported                              |
| Object Removal Detection     | Objects removed from the pre-defined region, such as the exhibits on display.                                                |
| Unattended Baggage Detection | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials                                  |
| Face Detection               | Human face appears in the image can be detected and trigger linkage method                                                   |
| <b>General</b>               |                                                                                                                              |
| Operating Conditions         | -30 °C to +60 °C (-22 °F to +140 °F), Humidity 95% or less (non-condensing)                                                  |
| Power Supply                 | 12 VDC ± 25%, PoE(802.3af 36 – 57V, class 3)                                                                                 |
| Power Consumption            | -I5: 12 VDC ± 25%, 7 W; PoE, 9 W<br>-I8: 12 VDC ± 25%, 10 W; PoE, 12.5 W                                                     |
| IR Range                     | -I5: up to 50 m<br>-I8: up to 80 m                                                                                           |
| Protection Level             | IP67                                                                                                                         |
| Dimensions                   | Camera: Φ104.8 × 299.7 mm (Φ4.13" × 11.8")<br>Package: 386 × 156 × 155 mm (15.2" × 6.14" × 6.1")                             |
| Weight                       | 1200 g (2.65 lb.)                                                                                                            |

## Available Models

DS-2CD2T55FWD-I5(2.8 mm), DS-2CD2T55FWD-I5(4 mm), DS-2CD2T55FWD-I5(6 mm), DS-2CD2T55FWD-I5(8 mm), DS-2CD2T55FWD-I5(12 mm)  
DS-2CD2T55FWD-I8(2.8 mm), DS-2CD2T55FWD-I8(4 mm), DS-2CD2T55FWD-I8(6 mm), DS-2CD2T55FWD-I8(8 mm), DS-2CD2T55FWD-I8(12 mm)

## Dimensions



Unit: mm

## Accessories



DS-1280ZJ-S

Junction Box

Distributed by

## HIKVISION®

### Headquarters

No.555 Qianmo Road, Binjiang District,  
Hangzhou 310051, China  
T +86-571-8807-5998  
overseasbusiness@hikvision.com

**Hikvision USA**  
T +1-909-895-0400  
sales.usa@hikvision.com

**Hikvision Australia**  
T +61-2-8599-4233  
salesau@hikvision.com

**Hikvision India**  
T +91-22-28469900  
sales@pramahikvision.com

**Hikvision Canada**  
T +1-866-200-6690  
sales.canada@hikvision.com

**Hikvision Thailand**  
T +662-275-9949  
sales.thailand@hikvision.com

**Hikvision Europe**  
T +31-23-5542770  
sales.eu@hikvision.com

**Hikvision Italy**  
T +39-0438-6902  
info.it@hikvision.com

**Hikvision Brazil**  
T +55 11 3318-0050  
Latam.support@hikvision.com

**Hikvision Turkey**  
T +90 (216)521 7070- 7074  
sales.tr@hikvision.com

**Hikvision Malaysia**  
T +601-7652-2413  
sales.my@hikvision.com

**Hikvision UK & Ireland**  
T +01628-902140  
sales.uk@hikvision.com

**Hikvision South Africa**  
Tel: +27 (10) 0351172  
sale.africa@hikvision.com

**Hikvision France**  
T +33(0)1-85-330-450  
info.fr@hikvision.com

**Hikvision Kazakhstan**  
T +7-727-9730667  
nikia.panfilov@hikvision.ru

**Hikvision Vietnam**  
T +84-974270888  
sales.vt@hikvision.com

**Hikvision UAE**  
T +971-4-4432090  
salesme@hikvision.com

**Hikvision Singapore**  
T +65-6684-4718  
sg@hikvision.com

**Hikvision Spain**  
T +34-91-737-16-55  
info.es@hikvision.com

**Hikvision Tashkent**  
T +99-87-1238-9438  
uzb@hikvision.ru

**Hikvision Hong Kong**  
T +852-2151-1761  
info.hk@hikvision.com

**Hikvision Russia**  
T +7-495-669-67-99  
sateru@hikvision.com

**Hikvision Korea**  
T +82-(0)31-731-8817  
sales.korea@hikvision.com

**Hikvision Poland**  
T +48-22-460-01-50  
info.pl@hikvision.com

**Hikvision Indonesia**  
T +62-21-2933759  
Sales.Indonesia@hikvision.com

**Hikvision Colombia**  
sales.colombia@hikvision.com