

DS-2CD5028G0/E-HI

DarkfighterX 2 MP Outdoor Smart Camera



DarkFighterX



 smart IPC

Hikvision DarkfighterX series camera adopts the patented dual-sensor design to process color and brightness independently, and outputs one FULL-COLOR image.

- Dual-sensor, 1/2.8" Progressive Scan CMOS
- 1920 × 1080 @ 30fps
- Full-Color Image Output
- 1 RS485, 2 Alarm Inputs/Outputs, 1 Audio Input/Output
- Operating Condition: -40 °C to +60 °C (-40 °F to +140 °F)
- H.265, H.264
- Up to 100 m IR range



## Specifications

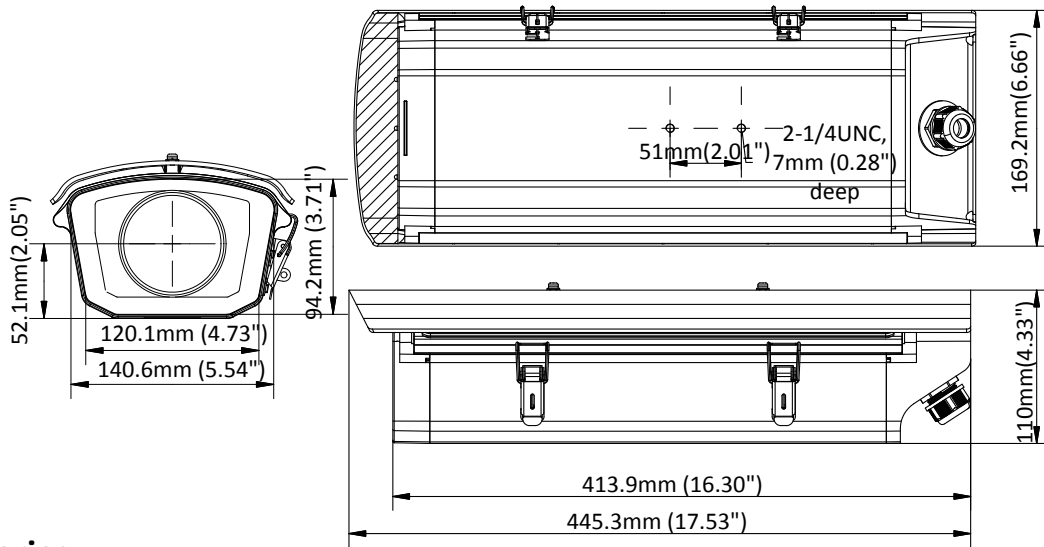
| <b>Camera</b>                |  |
|------------------------------|--|
| Image Sensor                 | Dual-sensor, 1/2.8" Progressive Scan CMOS  |
| Min. Illumination            | Color: 0.001 Lux @ (F1.5, AGC ON), B/W: 0.0001Lux @ (F1.5, AGC ON), 0 Lux with IR  |
| Shutter Speed                | 1 s - 1/30,000 s   |
| Slow Shutter                 | Support  |
| Auto-iris                    | HALL driver  |
| Day & Night                  | Auto   |
| Digital Noise Reduction      | 3D DNR   |
| WDR                          | DWDR   |
| <b>Lens</b>                  |  |
| Focal Length                 | 5 to 50 mm   |
| Aperture                     | F1.5 to F2.9   |
| FOV                          | Horizontal field of view: 60.5° to 6.3°<br>Vertical field of view: 34.9° to 3.54°<br>Diagonal field of view: 68.3° to 7.3°   |
| <b>IR</b>                    |  |
| IR Range                     | Up to 100 m  |
| Wavelength                   | 850 nm   |
| <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                   | Baseline Profile/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               | 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)  |
| <b>Smart Feature-set</b>     |  |
| Behavior Analysis            | Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection                |
| Exception Detection          | Scene change detection, audio exception detection, defocus detection   |
| Face Detection               | Support  |
| Region of Interest           | Support 4 fixed regions for each stream  |
| <b>Image</b>                 |  |
| Max. Resolution              | 1920 × 1080  |
| Main Stream Max. Frame Rate  | 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720)<br>60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)   |
| Sub-stream Max. Frame Rate   | 50Hz: 25fps (704 × 576, 640 × 480, 352 × 288)<br>60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)   |
| Third Stream Max. Frame Rate | 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288)<br>60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240) |
| Image Enhancement            | BLC/ 3D DNR/Defog  |
| Image Setting                | Rotate mode, saturation, brightness, contrast, and sharpness are adjustable by client software or web browser  |
| Day/Night Switch             | Day/Night/Auto/Scheduled   |

| <b>Network</b>                |   |
|-------------------------------|---|
| Network Storage               | Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR   |
| Alarm Trigger                 | Motion detection, video tampering alarm, network disconnected, IP address conflict, 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, mirror, heartbeat, password protection, privacy mask, watermark, IP address filter                            |
| API                           | ONVIF (PROFILE S, PROFILE G), ISAPI, SDK  |
| Simultaneous Live View        | Up to 20 channels   |
| User/Host                     | Up to 32 users<br>3 levels: Administrator, Operator and User  |
| Client                        | iVMS-4200   |
| Web Browser                   | IE8+, Chrome31-44, Firefox 30.0 - 51  |
| Security Measures             | User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filtering |
| <b>Interface</b>              |   |
| Audio                         | 1-ch 3.5 mm input (line in), 1-ch 3.5mm output (line out),  |
| Communication Interface       | 1 RJ45 10M/100M Ethernet port<br>1 RS-485 interface: Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive  |
| Alarm                         | 2 inputs, 2 outputs   |
| Video Output                  | CVBS  |
| On-board Storage              | Built-in Micro SD/SDHC/SDXC slot, up to 128 GB  |
| Reset Button                  | Yes   |
| <b>Audio</b>                  |   |
| Environment Noise Filtering   | Support   |
| Audio Sampling Rate           | 16kHz / 32kHz / 44.1kHz / 48kHz   |
| <b>General</b>                |   |
| Operating Conditions          | -40 °C to +60 °C (-40 °F to +140 °F), Humidity 95% or less (non-condensing)   |
| Power Supply                  | 24 VAC ± 20%, terminal block  |
| Power Consumption and Current | 24 VAC ± 20%<br>Heater off: max. 35W/1.5A<br>Heater on: max. 43W/1.79A  |
| Material                      | Aluminum alloy housing, plastic sun shield  |
| Dimensions                    | Camera: 445.3 × 110 × 169.2 mm (17.53" × 4.33" × 6.66")   |
| Weight                        | Approx.3800 g (8.38 lb.)  |

## Available Model:

DS-2CD5028G0/E-HI (5 to 50 mm)

**Dimensions**



**Accessories**



**DS-1293Z**  
Wall mount



**DS-1214ZJ-5**  
Horizontal pole mount



**DS-1269Z**  
Pendant mount

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 Europe**  
T +31-23-55-42-770  
info.eu@hikvision.com

**Hikvision Middle East**  
T +971-4-8816086  
salesme@hikvision.com

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

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

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

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

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

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

**Hikvision UK**  
T +01628-902140  
support.uk@hikvision.com

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

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

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

**Hikvision Korea**  
T +82-31-731-8841  
sales.korea@hikvision.com

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

**Hikvision Africa**  
T +27 (10) 0351172  
sale.africa@hikvision.com

**Hikvision Hong Kong**  
T +852-2151-1761