

DarkFighter

## DS-2DF8C848I5XS-AELW(T2) 8 MP 48 × Network IR Speed Dome



- 1/1.8" progressive scan CMOS
- Up to 3840 × 2160 resolution
- Color: 0.002Lux @ (F1.5, AGC ON), B/W: 0.0002Lux @ (F1.5, AGC ON)
- 48× optical zoom, 16× digital zoom
- 120dB WDR, 3D DNR, EIS, OIS, HLC, Smart IR
- Up to 500 m laser distance
- Support H.265+/H.265 video compression
- Support Rapid focus
- IP67, IK10 (excluding glass window)
- Support detecting up to 30 faces at the same time. Support detecting, tracking, capturing, grading, selecting of face in motion, and output the best face picture of the face
- Support vehicle detection (license plate number, vehicle model, and vehicle color recognition)
- Person arming: supports real-time modeling and comparison, arms and tracks predefined persons, and uploads the longitude and latitude information of the target during tracking
- Vehicle arming: supports vehicle detection and license plate recognition, arms and tracks predefined vehicles, and uploads the longitude and latitude information of the target during tracking



## ▪ Specification

| Camera Module           |                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor            | 1/1.8" progressive scan CMOS                                                                                                                                    |
| Min. Illumination       | Color: 0.002 Lux @ (F1.5, AGC ON), B/W: 0.0002 Lux @ (F1.5, AGC ON)                                                                                             |
| Shutter Speed           | 1/1 s to 1/30,000 s                                                                                                                                             |
| Slow Shutter            | yes                                                                                                                                                             |
| Focus                   | semi-auto,manual,auto                                                                                                                                           |
| Day & Night             | ICR                                                                                                                                                             |
| Day/Night Switch        | day, night, auto, scheduled-switch                                                                                                                              |
| BLC                     | yes                                                                                                                                                             |
| WDR                     | 120 dB WDR                                                                                                                                                      |
| HLC                     | yes                                                                                                                                                             |
| 3D DNR                  | yes                                                                                                                                                             |
| Defog                   | yes                                                                                                                                                             |
| EIS                     | yes                                                                                                                                                             |
| OIS                     | yes                                                                                                                                                             |
| Regional Exposure       | yes                                                                                                                                                             |
| Regional Focus          | yes                                                                                                                                                             |
| Image Settings          | saturation,brightness,contrast,sharpness                                                                                                                        |
| Image Parameters Switch | yes                                                                                                                                                             |
| White Balance           | auto,ATW,sodium lamp,fluorescent lamp,indoor,outdoor,MWB                                                                                                        |
| Digital Zoom            | 16×                                                                                                                                                             |
| Optical Zoom            | 48×                                                                                                                                                             |
| Privacy Mask            | up to 24 masks,mosaic mask ,mask color configurable,rectangle region                                                                                            |
| SNR                     | ≥52dB                                                                                                                                                           |
| Optical Defog           | yes                                                                                                                                                             |
| Lens                    |                                                                                                                                                                 |
| Focal Length            | 6.0 to 288 mm, 48 × Optical                                                                                                                                     |
| Zoom Speed              | approx. 5 s                                                                                                                                                     |
| FOV                     | Horizontal field of view: 60.0° to 2.0° (wide-tele),<br>Vertical field of view: 35.8° to 1.2° (wide-tele),<br>Diagonal field of view: 67.0° to 2.4° (wide-tele) |
| Aperture                | F1.5                                                                                                                                                            |
| PTZ                     |                                                                                                                                                                 |
| Movement Range (Pan)    | 360°                                                                                                                                                            |
| Movement Range (Tilt)   | -20° to 90° (auto flip)                                                                                                                                         |
| Pan Speed               | pan speed: configurable from 0.1° to 210°/s; preset speed: 280°/s                                                                                               |
| Tilt Speed              | tilt speed: configurable from 0.1° to 150°/s, preset speed 250°/s                                                                                               |
| Proportional Zoom       | yes                                                                                                                                                             |
| Presets                 | 300                                                                                                                                                             |
| Patrol Scan             | 8 patrols, up to 32 presets for each patrol                                                                                                                     |
| Pattern Scan            | 4 pattern scans, record time over 10 minutes for each scan                                                                                                      |
| Power-off Memory        | yes                                                                                                                                                             |

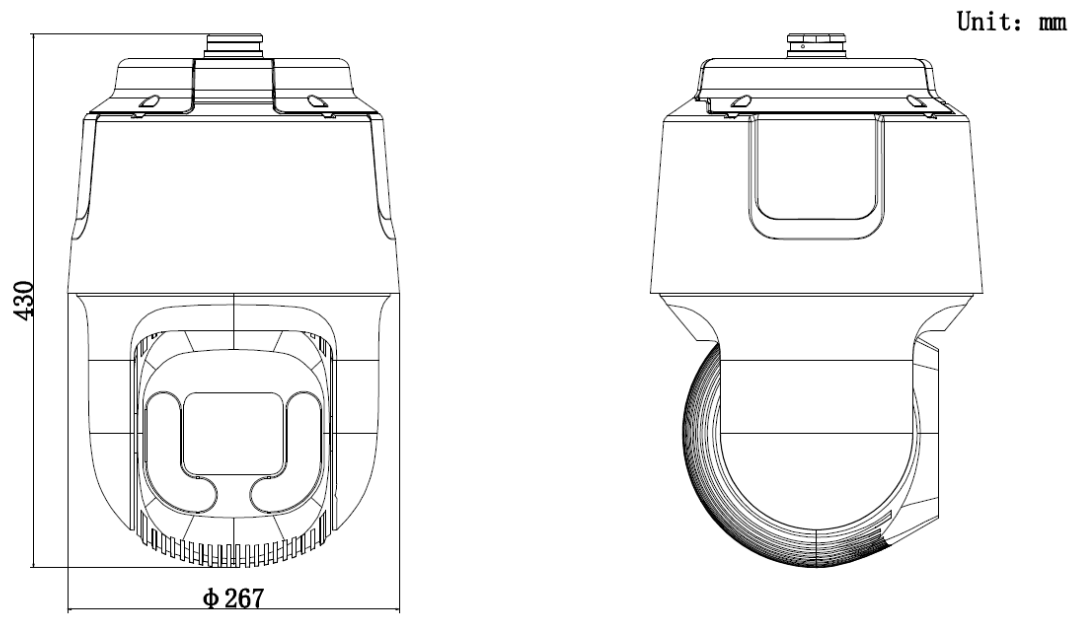
|                             |                                                                                                                                                                               |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Park Action                 | Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan                                                                                      |
| 3D Positioning              | yes                                                                                                                                                                           |
| PTZ Status Display          | yes                                                                                                                                                                           |
| Preset Freezing             | yes                                                                                                                                                                           |
| Scheduled Task              | preset,pattern scan,patrol scan,auto scan,tilt scan,random scan,frame scan,panorama scan,dome reboot,dome adjust,aux output                                                   |
| <b>Video</b>                |                                                                                                                                                                               |
| Max. Resolution             | 3840 × 2160                                                                                                                                                                   |
| Main Stream                 | 50 Hz: 25 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720);<br>60 Hz: 30 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)               |
| Sub-Stream                  | 50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288)<br>60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)                                                                            |
| Third Stream                | 50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288)<br>60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)  |
| Video Compression           | H.265,H.264,MJPEG                                                                                                                                                             |
| Video Bit Rate              | 32 Kbps to 16384 Kbps                                                                                                                                                         |
| H.264 Type                  | baseline profile,main profile,high profile                                                                                                                                    |
| H.265 Type                  | main profile                                                                                                                                                                  |
| H.264+                      | yes                                                                                                                                                                           |
| H.265+                      | yes                                                                                                                                                                           |
| SVC                         | yes                                                                                                                                                                           |
| ROI                         | dynamic face tracking,fixed region,dynamic license plate tracking                                                                                                             |
| <b>Audio</b>                |                                                                                                                                                                               |
| Audio Compression           | G.711alaw,G.711ulaw,G.722.1,G.726,MP2L2,PCM                                                                                                                                   |
| Audio Bit rate              | 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 Kbps to 128 Kbps(MP2L2)                                                                                                  |
| <b>Smart Features</b>       |                                                                                                                                                                               |
| Multi-target-type Detection | support face and human body capture, and output linked information                                                                                                            |
| Face Capture                | Support detecting up to 30 faces at the same time. Support detecting, tracking, capturing, grading, selecting of face in motion, and output the best face picture of the face |
| Face Comparison             | yes                                                                                                                                                                           |
| Basic Event                 | audio exception,motion detection,video tampering alarm,alarm input,alarm output,video tampering alarm,exception                                                               |
| Smart Event                 | intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, vandal-proof alarm |
| Smart Tracking              | manual tracking,panorama tracking,event tracking,support patrol tracking among multiple detection scenes                                                                      |
| Smart Record                | ANR,Dual-VCA                                                                                                                                                                  |
| Alarm Linkage               | preset,patrol scan,pattern scan,memory card video recording,alarm output,sending email,notify surveillance center, upload to FTP,NAS video recording                          |
| Smart Encoding              | H.265+,H.264+,low bit rate,ROI,SVC                                                                                                                                            |
| <b>Network</b>              |                                                                                                                                                                               |
| Network Storage             | NAS (NFS, SMB/ CIFS)                                                                                                                                                          |

|                               |                                                                                                                                                      |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protocols                     | IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour           |
| API                           | Open-ended API, ONVIF, ISAPI, Hikvision SDK, Third-party management platform, Hik-Connect, ISUP                                                      |
| Simultaneous Live View        | 20                                                                                                                                                   |
| User/Host                     | 32                                                                                                                                                   |
| Security Measures             | Authenticated username and password,MAC address binding,HTTPS encryption,802.1X authenticated access,IP address filter                               |
| Client                        | iVMS-4200                                                                                                                                            |
| Web Browser                   | IE10-11, Chrome 57+, Firefox 52+, Safari 12+                                                                                                         |
| <b>Interface</b>              |                                                                                                                                                      |
| Communication Interface       | Self-adaptive 10M/100M Ethernet port                                                                                                                 |
| On-board Storage              | support microSD/microSDHC/microSDXC cards, up to 256 GB                                                                                              |
| Alarm Input                   | 7 alarm inputs                                                                                                                                       |
| Alarm Output                  | 2 alarm output                                                                                                                                       |
| Audio Input                   | 1 audio input                                                                                                                                        |
| Audio Output                  | 1 audio output, line level, impedance: 600 Ω                                                                                                         |
| RS-485                        | Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive                                                                                              |
| <b>Supplement Light</b>       |                                                                                                                                                      |
| Laser Distance                | 500 m                                                                                                                                                |
| Smart IR                      | yes                                                                                                                                                  |
| <b>General</b>                |                                                                                                                                                      |
| Power Consumption and Current | 24 VAC (Max. 62 W, including max. 12 W for IR and max. 8 W for heater), PoE 802.3 bt (Max. 51 W, including max. 12 W for IR and max. 8 W for heater) |
| Wiper                         | Yes. Rain-sensing auto control                                                                                                                       |
| Dimensions                    | Ø 267 mm × 430 mm (Ø 10.51" × 16.93")                                                                                                                |
| Weight                        | Approx. 9.6 kg (21.16 lb.)                                                                                                                           |
| <b>Approval</b>               |                                                                                                                                                      |
| Protection                    | IP67 Standard, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection, IK10 (excluding glass window)                          |

## ▪ Available Model

DS-2DF8C848I5XS-AELW (T2)

▪ Dimension



▪ Accessory

▪ Included



▪ Optional

| DS-1604ZJ-P | DS-1663ZJ-P | DS-1660ZJ-P | DS-1661ZJ-P | DS-1619ZJ-HP2 |
|-------------|-------------|-------------|-------------|---------------|
|             |             |             |             |               |

| DS-1662ZJ-P                                                                        | DS-1667ZJ-P                                                                        | DS-1682ZJ-P                                                                        | DS-1604ZJ-Pole-P                                                                    | DS-1604ZJ-Corner-P                                                                   |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|   |   |   |   |   |
| DS-1604ZJ-BOX-P                                                                    | DS-1604ZJ-BOX-CORNER-P                                                             | DS-1604ZJ-BOX-POLE-P                                                               | LAS60-57CN-RJ45                                                                     | HKKD-13002 (EU)<br>A24-5A-950 (USA)<br>MKAC-76-245000 V (UK)                         |
|  |  |  |  |  |

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