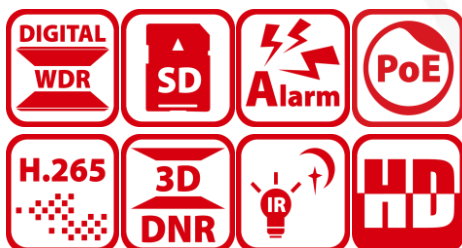


## DS-2DE7430IW-AE E Series 4 MP 30 × IR Network Speed Dome



Hikvision DS-2DE7430IW-AE 4 MP 30 × IR Network Speed Dome adopts 1/1.9" progressive scan CMOS chip. With the 30 × optical zoom lens, the camera offers more details over expansive areas.

This series of cameras can be widely used for wide ranges of high-definition, such as the rivers, forests, roads, railways, airports, ports, squares, parks, scenic spots, stations and large venues.

- 1/1.9" progressive scan CMOS
- Up to 2560 × 1440 resolution
- Min. illumination:  
Color: 0.005 Lux @(F1.5, AGC ON)  
B/W: 0.002 Lux @(F1.5, AGC ON)  
0 Lux with IR
- 30 × optical zoom, 16 × digital zoom
- Defog, EIS, 3D DNR, BLC, HLC, Digital WDR
- Up to 150 m IR distance
- 24 VAC & Hi-PoE
- Support H.265+/H.265 video compression



## Specifications

| Camera Module         |                                                                                           |
|-----------------------|-------------------------------------------------------------------------------------------|
| Image Sensor          | 1/1.9" progressive scan CMOS                                                              |
| Min. Illumination     | Color: 0.005 Lux @(F1.5, AGC ON)<br>B/W: 0.002 Lux @(F1.5, AGC ON)<br>0 Lux with IR       |
| White Balance         | Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp |
| Gain                  | Auto/Manual                                                                               |
| Shutter Time          | 50Hz: 1 to 1/30,000 s<br>60Hz: 1 to 1/30,000 s                                            |
| Day & Night           | IR Cut Filter                                                                             |
| Digital Zoom          | 16 ×                                                                                      |
| Privacy Mask          | 8 programmable privacy masks                                                              |
| Focus Mode            | Auto/Semi-automatic/Manual                                                                |
| Digital WDR           | Yes                                                                                       |
| Lens                  |                                                                                           |
| Focal Length          | 5.9 to 177 mm, 30 × Optical Zoom                                                          |
| Zoom Speed            | Approx. 4.8 s (Optical Lens, Wide-Tele)                                                   |
| Horizontal FOV        | 48.8° to 2.3° (Wide-Tele)                                                                 |
| Working Distance      | 10 to 1500 mm (wide-tele)                                                                 |
| Aperture Range        | F1.5 to F3.4                                                                              |
| Infrared              |                                                                                           |
| IR Distance           | 150 m                                                                                     |
| Smart IR              | Yes                                                                                       |
| IR Control            | IR brightness and angle are intelligently adjustable according to the scenes              |
| PTZ                   |                                                                                           |
| Movement Range (Pan)  | 360° endless                                                                              |
| Pan Speed             | Configurable, from 0.1°/s to 160°/s<br>Preset speed: 240°/s                               |
| Movement Range (Tilt) | From -15° to 90° (auto-flip)                                                              |
| Tilt Speed            | Configurable, from 0.1°/s to 120°/s<br>Preset speed: 200°/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  |
| PTZ Position 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>Compression Standard</b> |                                                                                                                                                                                                                                                      |
| Video Compression           | Main Stream: H.265+/H.265/H.264+/H.264<br>Sub-stream: H.265/H.264/MJPEG<br>Third Stream: H.265/H.264/MJPEG                                                                                                                                           |
| H.264 Type                  | Baseline profile/main profile/high profile                                                                                                                                                                                                           |
| Audio Compression           | G.711alaw/G.711ulaw/G.722.1/G.726/MP2L2/PCM                                                                                                                                                                                                          |
| SVC                         | Yes                                                                                                                                                                                                                                                  |
| <b>Smart Features</b>       |                                                                                                                                                                                                                                                      |
| Basic Event                 | Motion Detection, Video Tampering, Alarm Input, Alarm Output, Exception                                                                                                                                                                              |
| Smart Event                 | Audio Exception Detection, Face Detection, Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection                                                                                                         |
| Smart Record                | ANR (Automatic Network Replenishment), dual-VCA                                                                                                                                                                                                      |
| Region of Interest          | Main stream, sub-stream, and third stream respectively support four fixed areas.                                                                                                                                                                     |
| Auto-Tracking               | Yes                                                                                                                                                                                                                                                  |
| <b>Image</b>                |                                                                                                                                                                                                                                                      |
| Max. Resolution             | 2560 × 1440                                                                                                                                                                                                                                          |
| Main Stream                 | 50Hz: 25fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720); 50fps (1920 × 1080, 1280 × 960, 1280 × 720)<br>60Hz: 30fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720); 60fps (1920 × 1080, 1280 × 960, 1280 × 720) |
| Sub-Stream                  | 50Hz: 25fps (704 × 576, 640 × 480, 352 × 288)<br>60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)                                                                                                                                                       |
| Third Stream                | 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           | HLC, BLC, defog, 3D DNR, EIS, regional exposure, regional focus                                                                                                                                                                                      |
| <b>Network</b>              |                                                                                                                                                                                                                                                      |
| Network Storage             | Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 128 GB; NAS (NFS, SMB/ CIFS), ANR                                                                                                                                                       |
| Alarm Linkage               | Alarm actions, such as Preset, Patrol Scan, Pattern Scan, Memory Card Video Recording, Trigger Recording, E-Map, VCA Capture, Upload to FTP, Send Email, etc.                                                                                        |
| Protocols                   | IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour                                                                                                              |
| API                         | ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK                                                                                                                                                                                                  |
| Simultaneous Live View      | Up to 20 channels                                                                                                                                                                                                                                    |
| User/Host                   | Up to 32 users<br>3 user levels: administrator, operator and user                                                                                                                                                                                    |
| Security Measures           | User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filtering                                                                                            |
| Client                      | iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect                                                                                                                                                                                                         |
| Web Browser                 | IE 8 to 11, Chrome 31.0+, Firefox 30.0+, Edge 16.16299+                                                                                                                                                                                              |

| Interface                     |                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alarm Interface               | 2-ch alarm input and 1-ch alarm output                                                                                                                                                                                                                                                                                                        |
| Audio Interface               | 1-ch audio input and 1-ch audio output                                                                                                                                                                                                                                                                                                        |
| Network Interface             | 1 RJ45 10 M/100 M Ethernet, Hi-PoE                                                                                                                                                                                                                                                                                                            |
| General                       |                                                                                                                                                                                                                                                                                                                                               |
| Language (Web Browser Access) | 32 languages.<br>English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil) |
| Power                         | 24 VAC, 2.5 A, 50/60Hz and Hi-PoE, 42.5 to 57 VDC, 1.41 A<br>Max. 40 W, including Max. 19 W for IR and Max. 10 W for heater                                                                                                                                                                                                                   |
| Working Environment           | Temperature: -30°C to 65°C (-22°F to 149°F), humidity: ≤ 90%                                                                                                                                                                                                                                                                                  |
| Protection Level              | IP66 Standard, IK10 (excluding glass window), 4000V Lightning Protection, Surge Protection and Voltage Transient Protection                                                                                                                                                                                                                   |
| Dimension                     | Φ 220 mm × 353.4 mm (Φ 8.66" × 13.91")                                                                                                                                                                                                                                                                                                        |
| Weight                        | Approx. 4.5 kg (9.92 lb.)                                                                                                                                                                                                                                                                                                                     |

## DORI

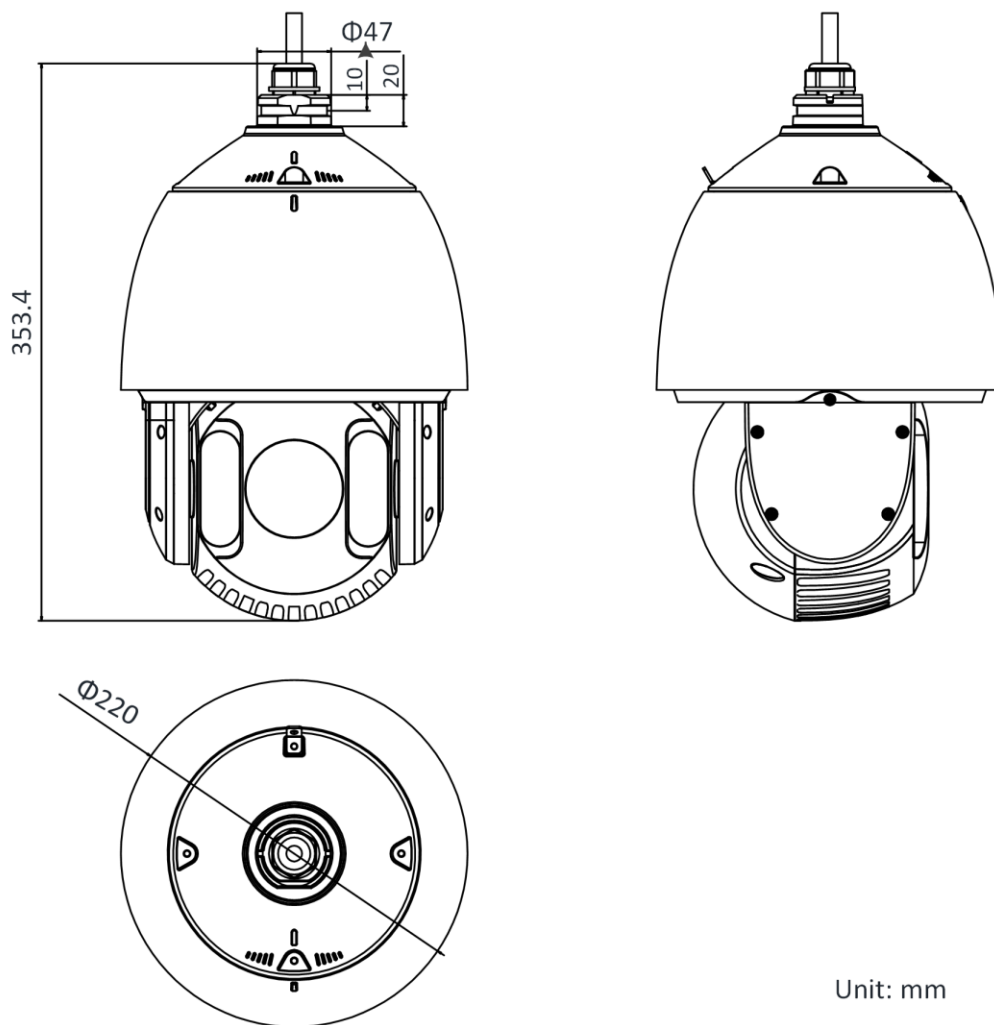
The DORI (detect, observe, recognize, identify) distance gives the general idea of the camera ability to distinguish persons or objects within its field of view. It is calculated based on the camera sensor specification and the criteria given by EN 62676-4: 2015.

| DORI            | Detect               | Observe             | Recognize           | Identify           |
|-----------------|----------------------|---------------------|---------------------|--------------------|
| Definition      | 25 px/m              | 63 px/m             | 125 px/m            | 250 px/m           |
| Distance (Tele) | 2241.7 m (7354.5 ft) | 889.6 m (2918.5 ft) | 448.3 m (1470.9 ft) | 224.2 m (735.5 ft) |

## Available Model

DS-2DE7430IW-AE, 24 VAC & Hi-PoE

## Dimensions



## Accessory

### Optional



**DS-1604ZJ**  
Wall Mount



**DS-1602ZJ**  
Wall Mount



**DS-1604ZJ-Box**  
Wall Mount with Junction  
Box



**DS-1604ZJ-Box-Corner**  
Wall Mount with Junction  
Box



**DS-1604ZJ-Box-Pole**  
Vertical Pole Mount with  
Junction Box



**DS-1661ZJ**  
Pendant Mount



**DS-1662ZJ**  
Pendant Mount



**DS-1667ZJ**  
Extendable Pole for  
Pendant Mount



**DS-1682ZJ**  
**Extendable Pole for**  
**Pendant Mount**



**DS-1663ZJ**  
**Ceiling Mount**



**DS-1681ZJ**  
**Installation Adapter**



**DS-1673ZJ**  
**Horizontal Pole Mount**



**DS-1619ZJ**  
**Gooseneck Mount**



**DS-160ZJ**  
**Parapet Wall Mount**



**HKA-A24250-230(EU)**  
**HKKD-12077(USA)**  
**HKA-A24250-230-BS(UK)**  
**PSE-A1525/5060(JP)**  
**Power Adapter**



**LAS60-57CN-RJ45**  
**Hi-PoE midspan**



**DS-1100KI**  
**Network Keyboard**



**DS-1005KI**  
**USB Joy-stick**

Distributed by



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