

## DS-2DE5330W-AE3 3 MP 30 × Network Speed Dome



Hikvision DS-2DE5330W-AE3 3 MP 30 × Network Speed Dome adopts 1/2.8" 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 different indoor environment.

### Key Features

- 1/2.8" progressive scan CMOS
- Up to 2048 × 1536@30fps resolution
- Min. illumination:  
Color: 0.05 Lux @(F1.6, AGC ON)  
B/W: 0.01 Lux @(F1.6, AGC ON)
- 30 × optical zoom, 16 × digital zoom
- WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus
- 24 VAC & PoE (802.3at, class4)
- Support H.265+/H.265 video compression



## Specification

| Camera Module         |                                                                                                                                                               |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor          | 1/2.8" progressive scan CMOS                                                                                                                                  |
| Min. Illumination     | Color: 0.05 Lux @(F1.6, AGC ON)<br>B/W: 0.01 Lux @(F1.6, AGC ON)                                                                                              |
| White Balance         | Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp                                                                     |
| Gain                  | Auto/Manual                                                                                                                                                   |
| Shutter Time          | 50Hz: 1/1 s to 1/30,000 s<br>60Hz: 1/1 s to 1/30,000 s                                                                                                        |
| Day & Night           | IR Cut Filter                                                                                                                                                 |
| Digital Zoom          | 16 ×                                                                                                                                                          |
| Privacy Mask          | 24 programmable privacy masks, mask color configurable                                                                                                        |
| Focus Mode            | Auto/Semi-automatic/Manual                                                                                                                                    |
| WDR                   | 120 dB WDR                                                                                                                                                    |
| Lens                  |                                                                                                                                                               |
| Focal Length          | 4.5 mm to 135 mm, 30 × optical zoom                                                                                                                           |
| Zoom Speed            | Approx. 4.1 s (optical lens, wide-tele)                                                                                                                       |
| Field of View         | Horizontal field of view: 57.2° to 2.2° (Wide-Tele)<br>Vertical field of view: 44.4° to 1.6° (Wide-Tele)<br>Diagonal field of view: 68.5° to 2.7° (Wide-Tele) |
| Working Distance      | 10 mm to 1500 mm (wide-tele)                                                                                                                                  |
| Aperture Range        | F1.6 to F4.4                                                                                                                                                  |
| PTZ                   |                                                                                                                                                               |
| Movement Range (Pan)  | 360° endless                                                                                                                                                  |
| Pan Speed             | Configurable, from 0.1°/s to 250°/s,<br>Preset speed: 300°/s                                                                                                  |
| Movement Range (Tilt) | From -5° to 90° (auto-flip)                                                                                                                                   |
| Tilt Speed            | Configurable, from 0.1°/s to 150°/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                                                                      |
| 3D Positioning        | Yes                                                                                                                                                           |
| 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                                   |
| Compression Standard  |                                                                                                                                                               |
| 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                                                                                                                    |
| H.264+                | Yes                                                                                                                                                           |
| H.265 Type            | Baseline Profile/Main Profile/High Profile                                                                                                                    |
| H.265+                | Yes                                                                                                                                                           |
| Video Bitrate         | 32 Kbps to 16384 Kbps                                                                                                                                         |

|                                |                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Audio Compression              | G.711alaw/G.711ulaw/G.722.1/G.726/MP2L2/PCM                                                                                                                                                                                                                                                                                                   |
| Audio Bitrate                  | G.711alaw/G.711ulaw: 64 Kbps<br>G.722.1/G.726: 16 Kbps<br>MP2L2/PCM: 32 Kbps/64 Kbps/128 Kbps                                                                                                                                                                                                                                                 |
| SVC                            | Yes                                                                                                                                                                                                                                                                                                                                           |
| <b>Smart Features</b>          |                                                                                                                                                                                                                                                                                                                                               |
| Basic Event                    | Motion Detection, Alarm Input, Alarm Output, Video Tampering Detection, Exception                                                                                                                                                                                                                                                             |
| Smart Event                    | Face Detection, Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Object Removal Detection, Unattended Baggage Detection, Audio Exception Detection                                                                                                                                          |
| Smart Record                   | ANR (Automatic Network Replenishment), Dual-VCA                                                                                                                                                                                                                                                                                               |
| ROI                            | Main stream, sub-stream, and third stream respectively support four fixed areas.                                                                                                                                                                                                                                                              |
| Auto-Tracking                  | Yes                                                                                                                                                                                                                                                                                                                                           |
| <b>Image</b>                   |                                                                                                                                                                                                                                                                                                                                               |
| Max. Resolution                | 2048 × 1536                                                                                                                                                                                                                                                                                                                                   |
| Main Stream                    | 50Hz: 25fps (2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720)<br>50fps (1920 × 1080, 1280 × 960, 1280 × 720)<br>60Hz: 30fps (2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720)<br>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/3D DNR/Defog/EIS/Regional Exposure/Regional Focus                                                                                                                                                                                                                                                                                     |
| <b>Network</b>                 |                                                                                                                                                                                                                                                                                                                                               |
| Network Storage                | Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NFS, SMB/CIFS), ANR                                                                                                                                                                                                                                                 |
| Alarm Linkage                  | Alarm actions, such as Notify Surveillance Center, Upload to FTP, Send Email, Trigger Recording, Recording Linkage, and Alarm Input, etc.                                                                                                                                                                                                     |
| Protocols                      | IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP/IP, 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 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+                                                                                                                                                                                                                                                                                       |
| <b>Interface</b>               |                                                                                                                                                                                                                                                                                                                                               |
| 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, PoE (802.3at, class4)                                                                                                                                                                                                                                                                                             |
| <b>General</b>                 |                                                                                                                                                                                                                                                                                                                                               |
| 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, 1.5 A, 50/60 Hz and PoE (802.3at), 42.5 to 57 VDC, 0.6 A, class4<br>Max.: 22 W                                                                                                                                                                                                                                                        |
| Working Temperature            | -10°C to 50°C (14°F to 122°F)                                                                                                                                                                                                                                                                                                                 |
| Working Humidity               | ≤ 90%                                                                                                                                                                                                                                                                                                                                         |

|                  |                                                                                                    |
|------------------|----------------------------------------------------------------------------------------------------|
| Protection Level | 4000V Lightning Protection, Surge Protection and Voltage Transient Protection                      |
| Material         | ADC 12, PC+ABS, PC/PMMA                                                                            |
| Dimensions       | Φ 183.4 mm × 243 mm (Φ 7.22" × 9.57") (Indoor)<br>Φ 245 mm × 236 mm (Φ 9.65" × 9.29") (In-ceiling) |
| Weight           | Approx. 3 kg (6.61 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) | 2160.0 m (7086.6 ft) | 857.1 m (2812.1 ft) | 432.0 m (1417.3 ft) | 216.0 m (708.7 ft) |

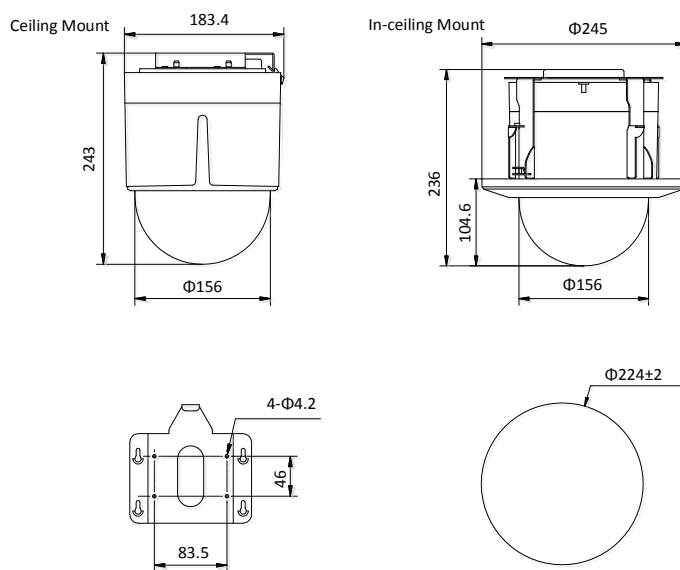
## Available Model

DS-2DE5330W-AE3, 24 VAC & PoE (802.3at, class4)

## Dimensions

### Note:

The product supports two installation methods, ceiling mount and in-ceiling mount.



Unit: mm

## Accessory

### Included



In-ceiling mount

(Only for in-ceiling model)

### Optional:



HKA-A24250-230(EU)

HKKD-12077(USA)

HKA-A24250-230-BS(UK)

PSE-A1525/5060(JP)



LAS60-57CN-RJ45

Hi-PoE midspan



DS-1100KI

Network Keyboard



DS-1005KI

USB Joy-stick

Distributed by



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