Hikvision DS-2DE4425IW-DE 4MP 25× Network IR Speed Dome adopts 1/2.5" progressive scan CMOS chip. With the 25× 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, roads, railways, airports, squares, parks, scenic spots, and venues, etc.

**Key Features**

- 1/2.5" progressive scan CMOS
- Up to 2560 × 1440@30fps resolution
- Min. illumination:
  - Color: 0.005 Lux @(F1.6, AGC ON)
  - B/W: 0.001 Lux @(F1.6, AGC ON)
  - 0 Lux with IR
- 25× optical zoom, 16× digital zoom
- WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus
- Up to 100 m IR distance
- 12 VDC & PoE+ (802.3 at, class 4)
- Support H.265+/H.265 video compression

www.hikvision.com
## Specification

### Camera Module

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Image Sensor</strong></td>
<td>1/2.5&quot; progressive scan CMOS</td>
</tr>
<tr>
<td><strong>Min. Illumination</strong></td>
<td>Color: 0.005 Lux @ (F1.6, AGC ON)</td>
</tr>
<tr>
<td></td>
<td>B/W: 0.001Lux @ (F1.5, AGC ON)</td>
</tr>
<tr>
<td></td>
<td>0 Lux with IR</td>
</tr>
<tr>
<td><strong>White Balance</strong></td>
<td>Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp</td>
</tr>
<tr>
<td><strong>Gain</strong></td>
<td>Auto/Manual</td>
</tr>
<tr>
<td><strong>Shutter Time</strong></td>
<td>50Hz: 1/1 s to 1/30,000 s</td>
</tr>
<tr>
<td></td>
<td>60Hz: 1/1 s to 1/30,000 s</td>
</tr>
<tr>
<td><strong>Day &amp; Night</strong></td>
<td>IR Cut Filter</td>
</tr>
<tr>
<td><strong>Digital Zoom</strong></td>
<td>16x</td>
</tr>
<tr>
<td><strong>Privacy Mask</strong></td>
<td>24 programmable privacy masks</td>
</tr>
<tr>
<td><strong>Focus Mode</strong></td>
<td>Auto/Semi-automatic/Manual</td>
</tr>
<tr>
<td><strong>WDR</strong></td>
<td>120 dB WDR (not supported by full frame rate)</td>
</tr>
</tbody>
</table>

### Lens

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Focal Length</strong></td>
<td>4.8 mm to 120 mm, 25× optical zoom</td>
</tr>
<tr>
<td><strong>Zoom Speed</strong></td>
<td>Approx. 3.6 s (optical lens, wide-tele)</td>
</tr>
<tr>
<td><strong>Field of View</strong></td>
<td>Horizontal field of view: 59.5° to 2.6° (Wide-Tele)</td>
</tr>
<tr>
<td></td>
<td>Vertical field of view: 35.7° to 1.5° (Wide-Tele)</td>
</tr>
<tr>
<td></td>
<td>Diagonal field of view: 66.6 to 3.0° (Wide-Tele)</td>
</tr>
<tr>
<td><strong>Working Distance</strong></td>
<td>10 mm to 1500 mm (wide-tele)</td>
</tr>
<tr>
<td><strong>Aperture Range</strong></td>
<td>F1.6 to F3.5</td>
</tr>
</tbody>
</table>

### IR

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>IR Distance</strong></td>
<td>100 m</td>
</tr>
<tr>
<td><strong>Smart IR</strong></td>
<td>Support</td>
</tr>
</tbody>
</table>

### PTZ

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Movement Range (Pan)</strong></td>
<td>360° endless</td>
</tr>
<tr>
<td><strong>Pan Speed</strong></td>
<td>Configurable, from 0.1°/s to 80°/s, Preset speed: 80°/s</td>
</tr>
<tr>
<td><strong>Movement Range (Tilt)</strong></td>
<td>From -15° to 90° (auto-flip)</td>
</tr>
<tr>
<td><strong>Tilt Speed</strong></td>
<td>Configurable, from 0.1°/s to 80°/s, Preset Speed: 80°/s</td>
</tr>
<tr>
<td><strong>Proportional Zoom</strong></td>
<td>Support</td>
</tr>
<tr>
<td><strong>Presets</strong></td>
<td>300</td>
</tr>
<tr>
<td><strong>Patrol Scan</strong></td>
<td>8 patrols, up to 32 presets for each patrol</td>
</tr>
<tr>
<td><strong>Pattern Scan</strong></td>
<td>4 pattern scans, record time over 10 minutes for each scan</td>
</tr>
<tr>
<td><strong>Power-off Memory</strong></td>
<td>Support</td>
</tr>
<tr>
<td><strong>Park Action</strong></td>
<td>Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan</td>
</tr>
<tr>
<td><strong>3D Positioning</strong></td>
<td>Support</td>
</tr>
<tr>
<td><strong>PTZ Position Display</strong></td>
<td>Support</td>
</tr>
<tr>
<td><strong>Preset Freezing</strong></td>
<td>Support</td>
</tr>
<tr>
<td><strong>Scheduled Task</strong></td>
<td>Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux Output</td>
</tr>
</tbody>
</table>

### Compression Standard

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Video Compression</strong></td>
<td>Main Stream: H.265+/H.265/H.264+</td>
</tr>
<tr>
<td></td>
<td>Sub-stream: H.265/H.264/MJPEG</td>
</tr>
<tr>
<td></td>
<td>Third Stream: H.265/H.264/MJPEG</td>
</tr>
<tr>
<td><strong>H.264 Type</strong></td>
<td>Baseline Profile/Main Profile/High Profile</td>
</tr>
<tr>
<td>Feature</td>
<td>Details</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>Working Network Interface</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Alarm Interface</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Client Security Measures</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Simultaneous Live View</strong></td>
<td></td>
</tr>
<tr>
<td><strong>API</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Alarm Linkage</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Network Storage</strong></td>
<td>Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NPS, SMB/CIFS), ANR</td>
</tr>
<tr>
<td><strong>Protocols</strong></td>
<td>IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPoE, Bonjour</td>
</tr>
<tr>
<td><strong>Security Measures</strong></td>
<td>User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filtering</td>
</tr>
<tr>
<td><strong>Client</strong></td>
<td>iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect</td>
</tr>
<tr>
<td><strong>Web Browser</strong></td>
<td>IE 8 to 11, Chrome 31.0 to 44, Firefox 30.0 to 51</td>
</tr>
<tr>
<td><strong>Interface</strong></td>
<td>1-ch audio input and 1-ch audio output</td>
</tr>
<tr>
<td><strong>Alarm</strong></td>
<td>1-ch alarm input/1-ch alarm output</td>
</tr>
<tr>
<td><strong>Network Interface</strong></td>
<td>1 RJ45 10 M/100 M Ethernet, PoE+ (802.3 at, class4)</td>
</tr>
<tr>
<td><strong>General</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Power</strong></td>
<td>12 VDC and PoE+ (802.3 at, class4) Max.: 18 W (Max. 7W for IR)</td>
</tr>
<tr>
<td><strong>Working Temperature</strong></td>
<td>-30°C to 65°C (-22°F to 149°F)</td>
</tr>
</tbody>
</table>

**Smart Features**

- **Basic Event**: Motion Detection, Video Tampering Detection, Exception
- **Smart Event**: Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Object Removal Detection, Unattended Baggage Detection, Audio Exception Detection
- **ROI**: An automatic network replenishment, dual-VCA
- **Image**: Main stream, sub-stream, and third stream respectively support four fixed areas.
- **Image Enhancement**: Main stream, sub-stream, and third stream respectively support four fixed areas.
- **Network**: Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NPS, SMB/CIFS), ANR
- **Protocols**: IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPoE, Bonjour
- **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 to 44, Firefox 30.0 to 51
- **Interface**: 1-ch audio input and 1-ch audio output
- **Alarm**: 1-ch alarm input/1-ch alarm output
- **Network Interface**: 1 RJ45 10 M/100 M Ethernet, PoE+ (802.3 at, class4)
- **General**: 12 VDC and PoE+ (802.3 at, class4) Max.: 18 W (Max. 7W for IR)
- **Working Temperature**: -30°C to 65°C (-22°F to 149°F)
<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Humidity</td>
<td>≤ 90%</td>
</tr>
<tr>
<td>Protection Level</td>
<td>IP66 Standard, TVS 4000V Lightning Protection, Surge Protection and Voltage Transient Protection</td>
</tr>
<tr>
<td>Material</td>
<td>ADC 12, PC+10% GF</td>
</tr>
<tr>
<td>Dimensions</td>
<td>Φ 164.5 mm × 290 mm (Φ 6.48&quot; × 11.42&quot;)</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 2 kg (4.41 lb)</td>
</tr>
<tr>
<td>Available Model</td>
<td>DS-2DE4425IW-DE (C), 12 VDC &amp; PoE+ (802.3 at, class 4)</td>
</tr>
</tbody>
</table>

**Dimensions**

![Diagram showing dimensions](image-url)
Key Features

- 6 Megapixel Image Sensor
- 1/1.8'' Progressive Scan CMOS
- Up to 3072 × 2048 Real-Time Streaming
- 360° View Angle
- Multiple Viewing Modes
- Multiple ePTZ Streams with Preset and Patrol Functions
- Ceiling, Wall, or Table Mount Modes
- Up to 15 Meters IR Range
- Built-In Microphone and Speaker
- IP66
- IK10 Vandal Resistant

Dimensions (unit: mm)

Mounting Options

Order Models
DS-2CD6362F-I
DS-2CD6362F-IV (vandal resistant, IP66, IK10)
Key Features

- 8.29 MP high performance CMOS
- Auto focus
- 3840 × 2160 resolution
- 2.7 mm to 13.5 mm motorized vari-focal lens
- EXIR 2.0, Smart IR, up to 80 m IR distance
- OSD menu, DNR
- 4 in 1 video output (switchable TVI/AHD/CVI/CVBS)
- IP67
- Up the coax (HIKVISION-C)
## Specification

<table>
<thead>
<tr>
<th>Camera</th>
<th>8.29 megapixel progressive scan CMOS</th>
</tr>
</thead>
</table>
| **Frame Rate** | TVI: 8MP@12.5fps, 8MP@15fps, 5MP@20fps, 4MP@25fps, 4MP@30fps, 2MP@25fps, 2MP@30fps  
CVI: 8MP@12.5fps, 8MP@15fps  
AHD: 8M@12.5fps, 8M@15fps  
CVBS: 960H P/N |
| **Resolution** | 3840 (H) × 2160 (V) |
| **Min. illumination** | Color: 0.01 Lux @ (F1.2, AGC ON), 0 Lux with IR |
| **Shutter Time** | PAL: 1/12.5s to 1/50, 000 s  
NTSC: 1/15 s to 1/50, 000 s |
| **Lens** | 2.7 mm to 13.5 mm motorized vari-focal lens |
| **Horizontal Field of View** | 108.1° to 45.6° |
| **Lens Mount** | Φ14 |
| **Day & Night** | IR cut filter |
| **Angle Adjustment** | Pan: 0° to 360°; Tilt: 0° to 90°; Rotate: 0° to 360° |
| **Synchronization** | Internal synchronization |
| **DWDR (Digital Wide Dynamic Range)** | 105 dB |
| **Menu** | AGC: Yes  
D/N Mode: Auto/Color/BW (Black and White)  
White Balance: Auto/Manual  
BLC: Yes  
DWDR (Digital Wide Dynamic Range): Yes  
Functions: Brightness, Sharpness, DNR, Mirror, Smart IR, HLC |
| **Interface** | Video Output: 1 HD analog output  
Switch Button: TVI/AHD/CVI/CVBS |
| **General** | Operating Conditions: -40 °C to 60 °C (-40 °F to 140 °F), humidity: 90% or less (non-condensation)  
Power Supply: 9 VDC to 15 VDC  
-A: 9.6 VDC to 14.4 VDC; 19.2 VAC to 28.8 VAC  
*You are recommended to use one power adapter to supply the power for one camera.*  
Power Consumption: Max: 8.6 W  
-A: Max: 10.8 W  
Protection Level: IP67  
Material: Front cover: Metal  
Main body: Plastic  
Bracket: Metal  
IR Range: Up to 80 m  
Communication: Up the coax, Protocol: HIKVISION-C (TVI output)  
Dimensions: 84.5 mm × 92 mm × 255.1 mm (3.33" × 3.62" × 10")  
Weight: Approx. 695 g (1.53 lb.) |
Order Model
DS-2CE19U1T-IT3ZF, DS-2CE19U1T-AIT3ZF

Dimension

Accessories

Distributed by

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DS-2CD2755FWD-IZS
5 MP WDR Vari-focal Network Dome Camera

Key Features

- 1/2.9" Progressive Scan CMOS
- 2944 × 1656 resolution
- H.265, H.265+
- 120dB WDR
- IP67, IK10
- BLC/3D DNR/ROI
- Smart encoding: Support low bit rate, low latency
- 4 behavior analyses and face detection
## Specifications

<table>
<thead>
<tr>
<th><strong>Camera</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Image Sensor</td>
<td>1/2.9&quot; Progressive Scan CMOS</td>
</tr>
<tr>
<td>Min. Illumination</td>
<td>Color: 0.01 Lux @ (F1.2, AGC ON), 0 Lux with IR Color: 0.014 Lux @ (F1.4, AGC ON), 0 Lux with IR</td>
</tr>
<tr>
<td>Shutter Speed</td>
<td>1/3 s to 1/100,000 s</td>
</tr>
<tr>
<td>Slow Shutter</td>
<td>Support</td>
</tr>
<tr>
<td>Day &amp; Night</td>
<td>IR Cut Filter</td>
</tr>
<tr>
<td>Digital Noise Reduction</td>
<td>3D DNR</td>
</tr>
<tr>
<td>WDR</td>
<td>120dB</td>
</tr>
<tr>
<td>3-Axis Adjustment</td>
<td>Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Lens</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Focal length</td>
<td>2.8 to 12 mm</td>
</tr>
<tr>
<td>Aperture</td>
<td>F1.4</td>
</tr>
</tbody>
</table>
| FOV                 | Horizontal field of view: 88° to 29°  
Vertical field of view: 47.5° to 16.5°  
Diagonal field of view: 103° to 33° |
| Lens Mount          | Φ14                                |

<table>
<thead>
<tr>
<th><strong>IR</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>IR Range</td>
<td>Up to 30 m</td>
</tr>
<tr>
<td>Wavelength</td>
<td>850nm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Compression Standard</strong></th>
<th></th>
</tr>
</thead>
</table>
| Video Compression        | Main stream: H.265/H.265/H.264+/H.264  
Third stream: H.265+/H.265/H.264+/H.264 |
| H.264 Type               | Main Profile/High Profile          |
| H.265 Type               | Main Profile                       |
| Video Bit Rate          | 32 Kbps to 16 Mbps                 |
| Audio Compression       | G722.1/G711ulaw/G711alaw/G726/MP2L2 |
| Audio Bit Rate          | 32 to 128kbps                      |

<table>
<thead>
<tr>
<th><strong>Smart Feature-set</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Behavior Analysis</td>
<td>Line crossing detection, intrusion detection, unattended baggage detection, object removal detection</td>
</tr>
<tr>
<td>Face Detection</td>
<td>Support</td>
</tr>
<tr>
<td>Region of Interest</td>
<td>Support 1 fixed region for each stream</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Image</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Resolution</td>
<td>2944 × 1656</td>
</tr>
</tbody>
</table>
| Main Stream           | 50Hz: 20 fps (2944 × 1656), 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720)  
60Hz: 20 fps (2944 × 1656), 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720) |
| Sub Stream            | 50Hz: 25fps (640 × 360, 352 × 288)  
60Hz: 30fps (640 × 360, 352 × 240) |
| Third Stream          | 50Hz: 25fps (1280 × 720, 640 × 360, 352 × 288)  
60Hz: 30fps (1280 × 720, 640 × 360, 352 × 240) |
| Image Enhancement     | BLC/3D DNR                         |
| Image Setting         | Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser |
**Day/Night Switch**  
Auto/Schedule/Triggered by Alarm In

<table>
<thead>
<tr>
<th><strong>Network</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Network Storage</strong></td>
<td>Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR</td>
</tr>
<tr>
<td><strong>Alarm Trigger</strong></td>
<td>Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD full, HDD error, Alarm input, Alarm output</td>
</tr>
<tr>
<td><strong>Protocols</strong></td>
<td>TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour</td>
</tr>
<tr>
<td><strong>General Function</strong></td>
<td>One-key reset, anti-flicker, three streams, heartbeat, password protection, privacy mask, watermark, IP address filter</td>
</tr>
<tr>
<td><strong>API</strong></td>
<td>ONVIF (PROFILE S, PROFILE G), CGI, ISAPI</td>
</tr>
<tr>
<td><strong>Simultaneous Live View</strong></td>
<td>Up to 6 channels</td>
</tr>
</tbody>
</table>
| **User/Host** | Up to 32 users  
3 levels: Administrator, Operator and User |
| **Client** | iVMS-4200, iVMS-4500, iVMS-5200 |
| **Web Browser** | IE8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+ |

<table>
<thead>
<tr>
<th><strong>Interface</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Audio</strong></td>
<td>1 input (line in, 3.5 mm), 1 output(3.5 mm), single track</td>
</tr>
<tr>
<td><strong>Communication Interface</strong></td>
<td>1 RJ45 10M/100M self-adaptive Ethernet port</td>
</tr>
<tr>
<td><strong>Alarm</strong></td>
<td>1 input, 1 output (max. 12 VDC, 30 mA)</td>
</tr>
<tr>
<td><strong>Video Output</strong></td>
<td>1Vp-p composite output (75 Ω/BNC)</td>
</tr>
<tr>
<td><strong>On-board storage</strong></td>
<td>Built-in Micro SD/SDHC/SDXC slot, up to 128 GB</td>
</tr>
<tr>
<td><strong>SVC</strong></td>
<td>H.264 encoding supports</td>
</tr>
<tr>
<td><strong>Reset Button</strong></td>
<td>Support</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Audio</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Environment Noise Filtering</strong></td>
<td>Support</td>
</tr>
<tr>
<td><strong>Audio Sampling Rate</strong></td>
<td>16 kHz</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>General</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operating Conditions</strong></td>
<td>-30 °C to +60 °C (-22 °F to +140 °F), Humidity 95% or less (non-condensing)</td>
</tr>
</tbody>
</table>
| **Power Supply** | 12 VDC ± 25%, PoE (802.3af)  
Terminal block for DC input |
| **Power Consumption and Current** | 12 VDC, 0.8A, max. 10W  
PoE (802.3af, 37V to 57V), 0.3A to 0.1A, max. 11.5W |
| **Protection Level** | IP67, IK10  
TVS 2000V Lightning Protection, Surge Protection and Voltage Transient Protection |
| **Material** | Metal |
| **Dimensions** | Φ153.4 × 133.1 mm (Φ6.04” × 5.24”) |
| **Weight** | Camera: 1287 g (2.84 lb.) |

Note: If the WDR and Rotation are both enabled, the frame rate of the main stream should not be more than 20.
Available Model:
DS-2CD2755FWD-IZS

Dimensions

Accessories

DS-1471ZJ-155
Pendant Mount

DS-1473ZJ-155
Wall Mount

DS-1475ZJ-SUS
Vertical Pole Mount

DS-1476ZJ-SUS
Corner Mount

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DS-1200KI Series Network Keyboard

Features and Functions

- 128 x 64 screen
- 4-axis joystick
- Connectable to the Multi-functional Video Center (MVC), Matrix Access Gateway (VAG), Video Wall Controller, Decoder, etc.; and shortcut operation of camera/camera groups switch on video wall
- Connectable to dome and realize PTZ control and picture capture by joystick operation
- Connectable to DVR via network or serial port, and operation of front panel buttons
- 16 user accounts management: 1 admin and 15 operators
- System upgrade and import / export of configuration files by USB-flash disk
- Captured pictures (FAT32) can be stored in U-flash disk
- Network access and configuration by Web browser support; and up to 1000 devices can be managed in the keyboard operation mode
## Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>DS-1200KI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>System</strong></td>
<td></td>
</tr>
<tr>
<td>LCD screen</td>
<td>128 x 64 pixel screen</td>
</tr>
<tr>
<td>Joystick</td>
<td>4-axis joystick</td>
</tr>
<tr>
<td>Control mode</td>
<td>Network, RS-232, RS-422, RS-485</td>
</tr>
<tr>
<td><strong>External Interfaces</strong></td>
<td></td>
</tr>
<tr>
<td>Network interface</td>
<td>1; 10 M/100 Mbps self-adaptive Ethernet interface</td>
</tr>
<tr>
<td>Serial interface</td>
<td>1 RS-232, 1 RS-422, 1 RS-485</td>
</tr>
<tr>
<td>USB interface</td>
<td>1 × USB 2.0</td>
</tr>
<tr>
<td><strong>General</strong></td>
<td></td>
</tr>
<tr>
<td>Power supply</td>
<td>12 VDC</td>
</tr>
<tr>
<td>Consumption</td>
<td>≤ 4.5 W</td>
</tr>
<tr>
<td>Working temperature</td>
<td>-10 to +55° C (14 to 131° F)</td>
</tr>
<tr>
<td>Working humidity</td>
<td>10% to 90%</td>
</tr>
<tr>
<td>Dimensions (W × D × H)</td>
<td>435 × 193 × 110 mm (17.1 × 7.6 × 4.3 inch)</td>
</tr>
<tr>
<td>Weight</td>
<td>≤ 1 kg (2.2 lb)</td>
</tr>
</tbody>
</table>

## Available Models

**DS-1200KI**

Distributed by [Hikvision](https://www.hikvision.com)
Features and Functions

Professional and Reliable
- Dual-OS design to ensure high reliability of system running
- ANR technology to enhance the storage reliability when the network is disconnected
- HDD hot swap with RAID0, RAID1, RAID5, RAID6 and RAID10 storage scheme configurable
- Configurable normal or hot spare working mode to constitute an N+1 hot spare system

Video Input and Transmission
- Up to 64-ch 12 MP IP cameras can be connected
- Connectable to the third-party network cameras

Compression and Recording
- H.264+ compression effectively reduces the storage space and costs by up to 50%
- Full channel recording at up to 12MP resolution

HD Video Output
- HDMI1/VGA1 and HDMI2/VGA2 outputs provided
- HDMI1 Video output at up to 4K (3840 \times 2160) resolution

Storage and Playback
- Up to 8 SATA interfaces and 1 eSATA interface connectable for recording and backup
- Smart search for efficient playback.
- 8/16-ch synchronous playback at up to 1080p resolution

Smart &POS Function
- Supports multiple VCA (Video Content Analytics) events
- Smart search for the selected area in the video; and smart playback to improve the playback efficiency
- Supports VCA search for fire/ship/temperature/temperature difference detection triggered video files
- POS information overlay on live view and playback
- POS triggered recording and alarm

Network & Ethernet Access
- Hik Cloud P2P & HiDDNS (Dynamic Domain Name System) for easy network management
- 2 Gigabit Ethernet network interfaces; Host and user authentication (up to 20 users)
## Specifications

<table>
<thead>
<tr>
<th></th>
<th>DS-9608NI-I8</th>
<th>DS-9616NI-I8</th>
<th>DS-9632NI-I8</th>
<th>DS-9664NI-I8</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Video/Audio input</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IP video input</td>
<td>8-ch</td>
<td>16-ch</td>
<td>32-ch</td>
<td>64-ch</td>
</tr>
<tr>
<td>Two-way audio</td>
<td>1-ch, RCA (2.0Vp-p, 1 kΩ)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Network</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incoming bandwidth</td>
<td>128 Mbps</td>
<td>256 Mbps</td>
<td>320 Mbps</td>
<td>320 Mbps</td>
</tr>
<tr>
<td>Outgoing bandwidth</td>
<td>256 Mbps, or 200 Mbps (when RAID is enabled)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remote connection</td>
<td>128</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Video/Audio output</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recording resolution</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CVBS output (Optional)</td>
<td></td>
<td>1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VGA1 /HDMI1 output resolution</td>
<td></td>
<td>HDMI1: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VGA2 /HDMI2 output resolution</td>
<td></td>
<td>VGA1: 2K (2560 × 1440)/60Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Audio output</td>
<td>2-ch, RCA (2.0Vp-p, 1 kΩ)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Decoding</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decoding format</td>
<td>H.265/H.265+/H.264+/MPEG4/MJPEG</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Live view/Playback resolution</td>
<td></td>
<td>12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Synchronous playback</td>
<td></td>
<td>8-ch</td>
<td>16-ch</td>
<td></td>
</tr>
<tr>
<td>Capability</td>
<td>4-ch @ 4K or 16-ch @ 1080p</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Network management</strong></td>
<td></td>
<td>TCP/IP, DHCP, HIK Cloud P2P, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPIp™, HTTPS, RTP, UDP/IP, HTTP, FTP, SNMP</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Hard disk</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SATA</td>
<td>8 SATA interfaces – NAS storage DS-A81024D HOT PLUG 24HDD SATA (6TB each) is optional</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>eSATA</td>
<td>1 eSATA interface</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Capacity</td>
<td>Up to 6TB capacity for each HDD</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Disk array</strong></td>
<td></td>
<td>RAID0, RAID1, RAID5, RAID6, RAID10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Array type</td>
<td>RAID0, RAID1, RAID5, RAID6, RAID10</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of arrays</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>External interface</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Network interface</td>
<td>2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Serial interface</td>
<td>RS-232; RS-485; Keyboard</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>USB interface</td>
<td>Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alarm in/out</td>
<td>16/4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>General</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power supply</td>
<td>100 to 240 VAC, 50 to 60 Hz</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. Power</td>
<td>200 W</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Consumption (without hard disk)</td>
<td>≤ 30 W</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Working temperature</td>
<td>-10 to +55º C (+14 to +131º F)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Working humidity</td>
<td>10 to 90 %</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chassis</td>
<td>19-inch rack-mounted 2U chassis</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions(W × D × H)</td>
<td>445 × 470 ×90 mm (17.5&quot;x 18.5” x 3.5&quot;)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight (without hard disk)</td>
<td>≤ 10 kg (22 lb)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Physical Interfaces

<table>
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<tr>
<th>Index</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>LAN1/LAN2 Interface</td>
</tr>
<tr>
<td>2</td>
<td>LINE IN</td>
</tr>
<tr>
<td>3</td>
<td>AUDIO OUT</td>
</tr>
<tr>
<td>4</td>
<td>HDMI1/HDMI2 Interface</td>
</tr>
<tr>
<td>5</td>
<td>VGA1/VGA2 Interface</td>
</tr>
<tr>
<td>6</td>
<td>USB 3.0 Interface</td>
</tr>
<tr>
<td>7</td>
<td>RS-232 Interface</td>
</tr>
<tr>
<td>8</td>
<td>eSATA Interface</td>
</tr>
<tr>
<td>9</td>
<td>Alarm In/Alarm Out</td>
</tr>
<tr>
<td>10</td>
<td>100 to 240 VAC power supply</td>
</tr>
<tr>
<td>11</td>
<td>Power Switch</td>
</tr>
<tr>
<td>12</td>
<td>GND</td>
</tr>
</tbody>
</table>

Available Models

DS-9608NI-I8, DS-9616NI-I8, DS-9632NI-I8, DS-9664NI-I8