This Micro-designed 3” PTZ Mini Dome Camera shows the easiest installation, adjustment and maintenance that you have ever seen. It is a fantastic and practical camera for outdoor. In addition, DS-2DE3304W-DE support 4X zoom technology, and PoE&12VDC power supply. Embedded with 1/2.8” progressive scan CMOS chip makes DWDR and 3MP real-time resolution possible. With the pan/tilt and 4X zoom Day/Night lens, the camera offers more details in the outdoor environments.

Hikvision DS-2DE3304W-DE Mini PTZ Dome Cameras also features a wide range of functions, including intrusion detection, line crossing detection, motion detection and audio exception, benefitting users with great improvement on security efficiency, more importantly, with key events / objects being recorded for further forensic needs.

Key Features

- 1/2.8” Progressive Scan CMOS
- 2048 x 1536
- 4X Optical Zoom
- DWDR
- Support IP67/IK10
- PoE(802.3af)
- Support RS485
- Support plug & play
**Function Description**

**Basic function**
- High performance CMOS, up to 2048 x 1536@30fps resolution
- ±0.1° Preset Accuracy
- ONVIF(Open Network Video Interface Forum), CGI(Common Gateway Interface), PSIA(Physical Security Interoperability Alliance), to ensure greater interoperability between different platforms and compatibility
- 3D intelligent positioning function
- Power-off memory function: restore PTZ & Lens status after reboot
- Support RS485
- Support IP67/IK10
- PoE(802.3af)

**Functions**
- Detections: intrusion detection, line crossing detection, audio exception detection, motion detection
- Recording: edge recording, support smart search in smart NVR
- Support low bit rate, ROI

**Camera function**
- Auto iris, auto focus, auto white balance, backlight compensation and auto day & night switch
- Min. Illumination: 0.05Lux@(F1.6,AGC ON)(Color), 0.01Lux@(F1.6,AGC ON)(B/W)
- Support 8 privacy masks

**PTZ functions**
- 0-350° pan range and 0°-90° tilt range
- 0.1°-60°/s Manual Pan Speed and 0.1°-50°/s Manual Tilt Speed
- 300 presets programmable;
- 8 patrols, up to 32 presets per patrol

**Network function**
- Built-in Web server
- Micro SD card local storage, up to 128GB
- Support up to 8 NAS storage; Transmit the videos from SD card to the NAS after network resumed
- HTTPS encryption and IEEE 802.1x port-based network access control
- Support three streams; H.264/MJPEG video compression; Basic and advanced video configuration; Real time video at 2048 x 1536
- Multiple network protocols supported: IPv4/IPv6, TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS
- 1 audio input and 1 audio output
- 1 alarm input and 1 alarm output, alarm linkage support preset, recording, relay output, upload center, etc.
## Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>DS-2DE3304W-DE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Camera Module</strong></td>
<td></td>
</tr>
<tr>
<td>Image Sensor</td>
<td>1/2.8&quot; Progressive Scan CMOS</td>
</tr>
<tr>
<td>Min. Illumination</td>
<td>F1.6, AGC On : Color : 0.05 lux, B/W : 0.01 lux</td>
</tr>
<tr>
<td>Max. Image Resolution</td>
<td>2048(H) × 1536(V)</td>
</tr>
<tr>
<td>Focal Length</td>
<td>2.8~12mm, 4x</td>
</tr>
<tr>
<td>Digital Zoom</td>
<td>16X</td>
</tr>
<tr>
<td>Zoom Speed</td>
<td>Approx.1s(Wide~Tele)</td>
</tr>
<tr>
<td>Angle of View</td>
<td>105<del>33.5 degree (Wide</del>Tele)</td>
</tr>
<tr>
<td>Aperture Range</td>
<td>F1.6 ~F2.7</td>
</tr>
<tr>
<td>Focus Mode</td>
<td>Auto / Semiautomatic / Manual</td>
</tr>
<tr>
<td>DWDR</td>
<td>Support</td>
</tr>
<tr>
<td>Shutter Time</td>
<td>1/1~1/10,000s</td>
</tr>
<tr>
<td>AGC</td>
<td>Auto / Manual</td>
</tr>
<tr>
<td>White Balance</td>
<td>Auto / Manual /ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp</td>
</tr>
<tr>
<td>Day &amp; Night</td>
<td>IR Cut Filter</td>
</tr>
<tr>
<td>Privacy Mask</td>
<td>8 privacy masks programmable</td>
</tr>
<tr>
<td>Enhancement</td>
<td>3D DNR, HLC/BLC</td>
</tr>
<tr>
<td><strong>Pan and Tilt</strong></td>
<td></td>
</tr>
<tr>
<td>Range</td>
<td>Pan: 0~350°; Tilt: 0°~90°</td>
</tr>
<tr>
<td>Speed</td>
<td>Pan Manual Speed: 0.1~60°/s</td>
</tr>
<tr>
<td></td>
<td>Tilt Manual Speed: 0.1~50°/s</td>
</tr>
<tr>
<td>Number of Preset</td>
<td>300</td>
</tr>
<tr>
<td>Patrol</td>
<td>8 patrols, up to 32 presets per patrol</td>
</tr>
<tr>
<td>Park Action</td>
<td>Preset/Patrol</td>
</tr>
<tr>
<td>Scheduled Task</td>
<td>Preset / Reboot / Patrol /Self test / Aux output</td>
</tr>
<tr>
<td><strong>Features</strong></td>
<td></td>
</tr>
<tr>
<td>Detection</td>
<td>Intrusion detection, line crossing detection, audio exception detection, motion detection</td>
</tr>
<tr>
<td>ROI encoding</td>
<td>Support 4 areas with adjustable levels</td>
</tr>
<tr>
<td><strong>Alarm</strong></td>
<td></td>
</tr>
<tr>
<td>Alarm I/O</td>
<td>1/1</td>
</tr>
<tr>
<td>Alarm Trigger</td>
<td>Tampering alarm, Network disconnect, IP address conflict, Storage exception</td>
</tr>
<tr>
<td>Alarm Action</td>
<td>Preset, Recording, Relay output, Upload center, Upload FTP, Email linkage</td>
</tr>
</tbody>
</table>
### Input/Output

**Audio Input**
1 audio input (Mic/Line in), 2~2.4V[p-p]; output impedance: 1KΩ, ±10%

**Audio Output**
1 output, Line level, impedance: 600Ω

### Network

**Ethernet**
10Base-T / 100Base-TX, RJ45 connector

**Stream**
Support three streams

**Main Stream**
50Hz: 25fps (2048×1536, 1920×1080, 1280×960, 1280×720), 50fps (1280×960, 1280×720)
60Hz: 30fps (2048×1536, 1920×1080, 1280×960, 1280×720), 60fps (1280×960, 1280×720)

**Sub Stream**
50Hz: 25fps (704×576), 25fps (640×480), 25fps (320×288)
60Hz: 30fps (704×480), 30fps (640×480), 30fps (320×240)

**Third Stream**
50Hz: 25fps (1920×1080, 1280×720, 704×576, 640×480, 320×288)
60Hz: 30fps (1920×1080, 1280×720, 704×480, 640×480, 320×240)

**Image Compression**
H.264/MJPEG

**Audio Compression**
G.711ulaw/G.711alaw/G.726/MP2L2/G.722/PCM

**Protocols**
IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE

**Simultaneous Live View**
Up to 20 users

**Mini SD Memory Card**
Support up to 128GB Micro SD/SDHC/SDXC card. Support Edge recording

**User/Host Level**
Up to 32 users, 3 Levels: Administrator, Operator and User

**Security Measures**
User authentication (ID and PW); Host authentication (MAC address); IP address filtering

### System Integration

**Application programming**
Open-ended API, support Onvif, PSIA, CGI and Genetec

**Web Browser**
IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+

**Power**
POE (802.3af, class3)&12 VDC, Max. 8W

**Working Temperature**
-30°C ~ 65°C (-22°F ~ 149°F)

**Humidity**
90% or less

**Protection Level**
IP67, IK10, TVS 4,000V lightning protection, surge protection and voltage transient protection

**Certification**
FCC, CE, UL, RoHS, IEC/EN 61000, IEC/EN 55022, IEC/EN 55024, IEC /EN60950-1

**Dimensions**
Φ140.7×107.2mm

**Weight (approx.)**
950g

**Mount Option**
Wall mount: DS-1273ZJ~PT6; In-ceiling Mount: 1227ZJ-PT6; Junction Box: DS-1280ZJ~PT6

### Order Models

DS-2DE3304W-DE, POE(802.3af, class3)&12 VDC
Accessories

- DS-1273ZJ-PT6 Wall Mount
- 1227ZJ-PT6 In-ceiling Mount
- DS-1280ZJ-PT6 Junction box
- DS-1100KI Network Keyboard
- DS-1005KI USB Joy-stick

Dimensions

<table>
<thead>
<tr>
<th>Accessories</th>
<th>Dimensions</th>
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<tbody>
<tr>
<td>DS-1273ZJ-PT6</td>
<td>Width: 100.5 mm, Height: 100.5 mm</td>
</tr>
<tr>
<td>1227ZJ-PT6 In-ceiling Mount</td>
<td>Width: 105.0 mm, Height: 105.0 mm</td>
</tr>
<tr>
<td>DS-1280ZJ-PT6 Junction box</td>
<td>Width: 110.0 mm, Height: 110.0 mm</td>
</tr>
<tr>
<td>DS-1100KI Network Keyboard</td>
<td>Width: 115.0 mm, Height: 115.0 mm</td>
</tr>
<tr>
<td>DS-1005KI USB Joy-stick</td>
<td>Width: 120.0 mm, Height: 120.0 mm</td>
</tr>
</tbody>
</table>

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