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-2DE3204W-DE(T5) support 4 × optical zoom technology, PoE & 12 VDC power supply. Embedded with 1/2.8” progressive scan CMOS chip makes 120 dB WDR and 2 MP real-time resolution possible. With the pan/tilt and 4 × optical zoom Day/Night lens, the camera offers more details in the outdoor environments.

Hikvision DS-2DE3204W-DE(T5) 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.

- High quality imaging with 2 MP resolution
- Clear imaging against strong back lighting due to 120 dB WDR technology
- Pan and tilt ability enables camera to monitor zones of interest
- 4 × optical zoom allows for closer viewing of subjects in expansive areas
- Water and dust resistant (IP66) and vandal resistant (IK10)
**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.

<table>
<thead>
<tr>
<th>DORI</th>
<th>Detect</th>
<th>Observe</th>
<th>Recognize</th>
<th>Identify</th>
</tr>
</thead>
<tbody>
<tr>
<td>Definition</td>
<td>25 px/m</td>
<td>63 px/m</td>
<td>125 px/m</td>
<td>250 px/m</td>
</tr>
<tr>
<td>Distance (Tele)</td>
<td>130.9 m (429.5 ft)</td>
<td>51.9 m (170.4 ft)</td>
<td>26.2 m (85.9 ft)</td>
<td>13.1 m (42.9 ft)</td>
</tr>
</tbody>
</table>

**Specification**

**Camera**
- Image Sensor: 1/2.8” progressive scan CMOS
- Min. Illumination: Color: 0.005 Lux @ (F1.5, AGC ON), B/W: 0.001 Lux @ (F1.5, AGC ON)
- Shutter Speed: 1/1 to 1/30,000 s
- Slow Shutter: Yes
- Day & Night: IR cut filter
- Zoom: 4 × optical, 16 × digital
- Max. Resolution: 1920 × 1080

**Lens**
- Focus: Auto, semi-auto, manual
- Focal Length: 2.8 to 12 mm
- Zoom Speed: Approx. 2.0 s

**FOV**
- Horizontal field of view: 103.4° to 33° (wide-tele)
- Vertical field of view: 53.8° to 18.9° (wide-tele)
- Diagonal field of view: 122.6° to 37.8° (wide-tele)

**Aperture**
- Max. F1.5

**PTZ**
- Movement Range (Pan): 350°
- Movement Range (Tilt): 0° to 90°
- Pan Speed: Pan speed: configurable from 0.1° to 60°/s; preset speed: 60°/s
- Tilt Speed: Tilt speed: configurable from 0.1° to 50°/s, preset speed 50°/s
- Proportional Pan: Yes
- Presets: 300
- Patrol Scan: 8 patrols, up to 32 presets for each patrol
- Power-off Memory: Yes
- Park Action: Preset, patrol scan
- 3D Positioning: Yes
- PTZ Status Display: Yes
- Preset Freezing: Yes
- Scheduled Task: Preset, patrol scan, dome reboot, dome adjust, aux output

**Video**
- Main Stream:
  - 50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720)
  - 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)
- Sub-Stream:
  - 50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288)
  - 60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)
### Third Stream
- **50 Hz**: 25 fps (1920 x 1080, 1280 x 960, 1280 x 720, 704 x 576, 640 x 480, 352 x 288)
- **60 Hz**: 30 fps (1920 x 1080, 1280 x 960, 1280 x 720, 704 x 480, 640 x 480, 352 x 240)

### Video Compression
- **Main stream**: H.265+/H.265/H.264+/H.264
- **Sub-stream**: H.265/H.264/MJPEG
- **Third stream**: H.265/H.264

### Video Bit Rate
- 32 Kbps to 16 Mbps

### H.264 Type
- Baseline Profile/Main Profile/High Profile

### H.265 Type
- Main Profile

### Scalable Video Coding (SVC)
- H.264 and H.265 encoding

### Region of Interest (ROI)
- 8 fixed regions for each stream

### Audio
- **Audio Compression**: G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, PCM
- **Audio Bit Rate**
  - MP2L2: 32 kbps, 40 kbps, 48 kbps, 56 kbps, 64 kbps, 80 kbps, 96 kbps, 112 kbps, 128 kbps, 144 kbps, 160 kbps, 192 kbps
- **Audio Sampling Rate**
  - MP2L2: 16 kHz, 32 kHz, 48 kHz; PCM: 8 kHz, 16 kHz, 32 kHz, 48 kHz
- **Environment Noise Filtering**: Yes

### Network
- **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**: ISUP, ISAPI, Hikvision SDK, Hik-Connect, Open Network Video Interface
- **Simultaneous Live View**: Up to 20 channels
- **User/Host**: Up to 32 users; 3 user levels: administrator, operator, and user
- **Security**: Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MDS), watermark, IP address filter
- **Client**: iVMS-4200, Hik-Connect, HikCentral
- **Web Browser**: Firefox 52+, Safari 11+, Chrome 57+, IE11

### Image
- **Day/Night Switch**: Day, night, auto, scheduled-switch
- **Image Enhancement**: BLC, HLC, 3D DNR
- **Wide Dynamic Range (WDR)**: 120 dB WDR
- **Defog**: Digital defog
- **Regional Exposure**: Yes
- **Regional Focus**: Yes
- **Image Settings**: Saturation, brightness, contrast, sharpness, gain, and white balance adjustable by client software or web browser
- **Image Parameters Switch**: Yes
- **Privacy Mask**: 24 programmable polygon privacy masks, mask color or mosaic configurable
- **SNR**: ≥ 52 dB

### Interface
- **Alarm**: 1 input, 1 output
- **RS-485**: 1 RS-485 (Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)
- **Ethernet Interface**: RJ45, self-adaptive 10M/100M Ethernet port
- **On-board Storage**: Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB
<table>
<thead>
<tr>
<th>Audio</th>
<th>1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 KΩ ± 10%; 1 output (line out), line level, output impedance: 600 Ω</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reset</td>
<td>Yes</td>
</tr>
<tr>
<td>Event</td>
<td><strong>Basic Event</strong></td>
</tr>
<tr>
<td></td>
<td>Motion detection, video tampering alarm, alarm input and output, exception</td>
</tr>
<tr>
<td></td>
<td><strong>Smart Event</strong></td>
</tr>
<tr>
<td></td>
<td>Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection</td>
</tr>
<tr>
<td>Alarm Linkage</td>
<td>Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, and PTZ actions (such as preset, patrol scan)</td>
</tr>
<tr>
<td>General</td>
<td><strong>General Function</strong></td>
</tr>
<tr>
<td></td>
<td>Privacy mask, mirror, password protection, watermark, IP address filter</td>
</tr>
<tr>
<td>Power</td>
<td>12 VDC, PoE (802.3af) Max. 10 W</td>
</tr>
<tr>
<td>Operating Condition</td>
<td>-30 °C to 65 °C (-22 °F to 149 °F). Humidity 90% or less (non-condensing)</td>
</tr>
<tr>
<td>Material</td>
<td>ADC12, PC</td>
</tr>
<tr>
<td>Dimension</td>
<td>Ø140.7 mm × 107.2 mm (Ø5.54” × 4.22”)</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 950 g (2.09 lb.)</td>
</tr>
<tr>
<td>Language</td>
<td>33 languages: 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), Ukrainian</td>
</tr>
<tr>
<td>Approval</td>
<td><strong>Safety</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Environment</strong></td>
</tr>
<tr>
<td></td>
<td>CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)</td>
</tr>
<tr>
<td></td>
<td><strong>EMC</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Protection</strong></td>
</tr>
<tr>
<td></td>
<td>IP66 (IEC 60529-2013), IK10 (IEC 62262:2002), TVS 4000V lightning protection, surge protection and voltage transient protection</td>
</tr>
</tbody>
</table>

**Available Model**

DS-2DE3204W-DE(T5)
- **Dimension**

![Diagram with dimensions and notes](image)

Unit: mm (inch)

- **Accessory**
  - **Optional**

<table>
<thead>
<tr>
<th>DS-1227ZJ-PT6</th>
<th>DS-1280ZJ-PT6</th>
<th>DS-1273-ZJ-PT6</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Accessory 1" /></td>
<td><img src="image" alt="Accessory 2" /></td>
<td><img src="image" alt="Accessory 3" /></td>
</tr>
</tbody>
</table>