# DS-2DE3A400BW-DE(F1)(S5)
# 4 MP ColorVu Network PT Camera

## AcuSense



Hikvision DS-2DE3A400BW-DE(F1)(S5) 4MP Network PTZ Camera can be widely used in multiple indoor and outdoor scenes, such as malls, stores, parks, factories, scenic areas, entrances and exits.

Empowered by deep learning algorithms, Hikvision AcuSense technology brings human and vehicle targets classification alarms to front- and back-end devices. The system focuses on human and vehicle targets, vastly improving alarm efficiency and effectiveness.

- Focuses on human and vehicle targets classification based on deep learning
- Face capture: face tracking and grading; automatic selection of best shot; up to 5 faces detected and captured at the same time
- Linked audible and visual alarm. Built-in microphone and speaker
- Up to 2560 × 1440 @ 30 fps
- Min. illumination: Color: 0.0005 Lux @ (F1.0, AGC ON); 0 Lux with white light
- 24/7 colorful imaging with low power consumption. Up to 30 m white light distance
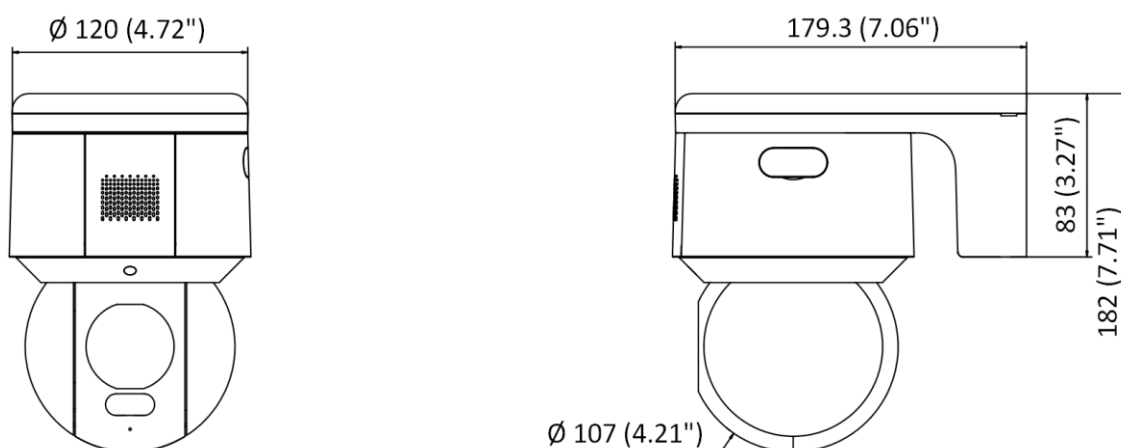- 120 dB WDR, 3D DNR, HLC, EIS
- IP66; PoE

## ▪ Specification

| Camera | |
|---|---|
| Image Sensor | 1/1.8" progressive scan CMOS |
| Min. Illumination | Color: 0.0005 Lux @ (F1.0, AGC ON); 0 Lux with white light |
| Shutter Speed | 1/1 to 1/30,000 s |
| Day & Night | 24/7 colorful imaging |
| Zoom | 16x digital |
| Max. Resolution | 2560 × 1440 |

| Lens | |
|---|---|
| Focal Length | 4 mm |
| FOV | DS-2DE3A400BW-DE(F1)(S5):<br>　Horizontal field of view: 88.7°<br>　Vertical field of view: 46.5°<br>　Diagonal field of view: 105.0°<br>DS-2DE3A400BW-DE(F1)(S5)(B)<br>　Horizontal field of view: 89°<br>　Vertical field of view: 45°<br>　Diagonal field of view: 107.0° |
| Aperture | F1.0 |

| Illuminator | |
|---|---|
| Supplement Light Type | White Light |
| Supplement Light Range | White Light Distance: up to 30 m |

| 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 |
| 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 (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720);<br>60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) |
| Sub-Stream | 50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288);<br>60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240) |
| Third Stream | 50Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288);<br>60Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240) |
| 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 |
| 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, AAC, PCM |
| 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 | ISAPI, Hikvision SDK, Hik-Connect, Open Network Video Interface (Profile S, Profile G, Profile T), ISUP |
| Simultaneous Live View | Up to 20 channels |
| User/Host | Up to 32 users. 3 levels: Administrator, Operator and User |
| Security | Authenticated username and password, MAC address binding, HTTPS encryption, 802.1X authenticated access, IP address filter |
| Web Browser | IE 10+, Chrome 57+, Firefox 52+, Safari 12+ |
| **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 |
| Image Stabilization | EIS |
| Regional Exposure | Yes |
| Image Settings | Saturation, brightness, contrast, sharpness, gain, and white balance adjustable by client software or web browser |
| Image Parameters Switch | Yes |
| Privacy Mask | Up to 24 masks (8 masks for each scene) |
| SNR | >52 dB |
| **Interface** | |
| Built-in Speaker | 1 built-in speaker |
| Power Output | 12 VDC; < 60 mA |
| Ethernet Interface | 1 RJ45 10 M/100 M Ethernet interface; PoE (802.3at) |
| On-board Storage | Built-in memory card slot, support MicroSD/SDHC/SDXC, up to 512 GB |
| Alarm | 1 input, 1 output |
| Audio | 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 |
| RS-485 | 1 RS-485 (Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive) |
| Reset | Yes |
| **Event** | |
| Basic Event | Video tampering alarm, motion detection, alarm input, alarm output, exception |
| Smart Event | Line crossing detection, region entrance detection, unattended baggage detection, object removal detection, intrusion detection, region exiting detection, audio exception detection |
| Alarm Linkage | Preset, memory card video recording, alarm output, sending email, notify surveillance center, upload to FTP, audible warning, white light flashing |

| Deep Learning Function | |
|---|---|
| Face Capture | Detects up to 5 faces simultaneously. Supports detecting, tracking, capturing, grading, selecting of face in motion, and outputs the best face picture |
| Perimeter Protection | Line crossing, intrusion, region entrance, region exiting<br>Support alarm triggering by specified target types (human and vehicle) |
| **General** | |
| General Function | Mirror, password protection, watermark, IP address filter |
| Power | 12 VDC, 3.33 A & PoE (802.3at), 42.5 to 57 VDC, 0.6 A<br>Max. 14 W (including max. 4 W for white light) |
| Operating Condition | Humidity: ≤ 90%, temperature: -30°C to 65°C (-22°F to 149°F) |
| Demist | Yes |
| Dimension | 179.3 mm × 120 mm × 182 mm (7.06" × 4.72" × 7.71") |
| Weight | Approx. 1.125 kg (2.48 lb.) |
| **Approval** | |
| Protection | IP66; 6000 V Lightning Protection, Surge Protection and Voltage Transient Protection |

▪ **Dimension**



Unit: mm (inch)

▪ **Available Model**

DS-2DE3A400BW-DE(F1)(S5)
DS-2DE3A400BW-DE(F1)(S5)(B)

**Accessory**

**Included**



**Power adapter**

**HIKVISION**

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