# DS-2DE2A404IW-DE3
## 4 MP 4x IR Outdoor Network PTZ Camera

**DarkFighter**™

The Hikvision DS-2DE2A404IW-DE3 IR Outdoor Network PTZ Cameras provide high definition output. They support H.265+ video compression, which assures bandwidth and storage savings.

The camera is equipped with a 2.8 mm to 12 mm motorized varifocal lens and offers an IR range of up to 65 ft (20 m). DarkFighter™ technology provides full-color imaging even under extremely low light conditions.

Smart features such as line crossing, intrusion, scene change detection, and face detection are also supported.

**Available models:**
DS-2DE2A404IW-DE3

- 1/3" (4 MP) Progressive Scan CMOS
- Up to 2560 x 1440 Resolution @ 24 fps
- Minimum Illumination:
  Color: 0.005 Lux @ (ƒ/1.6, AGC on)
  B/W: 0.001 Lux @ (ƒ/1.6, AGC on)
  0 Lux with IR
- DarkFighter™ Technology
- 4x Optical Zoom, 16x Digital Zoom
- H.265+, H.265, H.264+, H.264
- 120 dB WDR, 3D DNR
- Built-in Microphone
- IP66, IK10 Protection
- 12 VDC and PoE (802.3af)

TRUE WDR | 3D DNR | IR | ROI | H.265+ | MASK

# Specifications

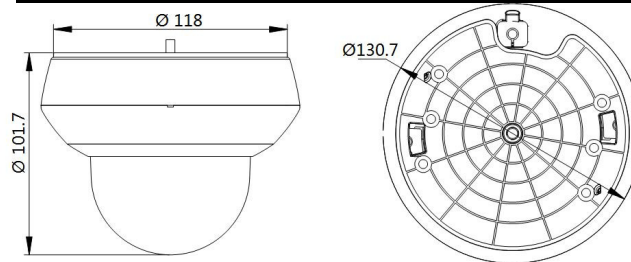| DS-2DE2A404IW-DE3 | |
|---|---|
| **Camera** | |
| Image Sensor | 1/3" progressive scan CMOS |
| Minimum Illumination | Color: 0.005 lux @ (f/1.6, AGC on), b/w: 0.001 lux @ (f/1.6, AGC on), 0 lux with IR |
| White Balance | Auto/manual/ATW (auto-tracking white balance)/indoor/outdoor/fluorescent lamp/sodium lamp |
| Gain | Auto/manual |
| Shutter Speed | 1/1 s to 1/30,000 s slow shutter model (2x, 3x, 4x, 6x, 8x) |
| Day/Night | IR cut filter |
| Digital Zoom | 16x |
| Privacy Mask | 24 programmable privacy masks |
| Focus Mode | Auto/semi-automatic/manual |
| WDR | 120 dB WDR |
| **Lens** | |
| Focal Length | 2.8 mm to 12 mm, 4x optical zoom |
| Zoom Speed | Approximately 2s (optical lens, wide-tele) |
| Field of View | Horizontal field of view: 100° to 33° (wide-tele), vertical field of view: 53° to 18° (wide-tele), diagonal field of view: 119° to 37.5° (wide-tele) |
| Working Distance | 10 mm to 1500 mm (wide-tele) |
| Aperture Range | f/1.6 to f/2.7 |
| **PTZ** | |
| Movement Range (Pan) | 0° to 330° |
| Pan Speed | Configurable, from 0.1°/s to 100°/s, preset speed: 100°/s |
| Movement Range (Tilt) | From 0° to 90° |
| Tilt Speed | Configurable, from 0.1°/s to 100°/s, preset speed: 100°/s |
| Proportional Zoom | Supported |
| Presets | 300 |
| Power-off Memory | Supported |
| **Compression Standard** | |
| 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/MJPEG |
| H.264 Type | Baseline profile/main profile/high profile |
| H.264+ | Supported |
| H.265+ | Supported |
| Video Bit Rate | 32 kbps to 16384 kbps |
| Audio Compression | G.711alaw/G.711ulaw/G.722.1/G.726/MP2L2/PCM |
| Audio Bit Rate | 64 kbps (G.711)/16 kbps (G.722.1)/16 kbps (G.726)/32 kbps to 160 kbps (MP2L2) |
| SVC | Supported |
| **Smart Features** | |
| Basic Event | Motion detection, video tampering detection, exception detection |
| 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 |
| **IR** | |
| IR Distance | 65 ft (20 m) |
| Smart IR | Supported |
| **Image** | |
| Maximum Resolution | 2560 × 1440 |
| Main Stream | 24 fps (2560 × 1440), 30 fps (2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720) |
| Sub Stream | 30 fps (704 × 480, 640 × 480, 352 × 240) |
| Third Stream | 30 fps (1280 × 720, 704 × 480, 640 × 480, 352 × 240) |
| Image Enhancement | 3D DNR, HLC, EIS, regional exposure, regional focus |
| **Network** | |
| Network Storage | MicroSD/SDHC/SDXC card (256 GB), local storage and NAS (NFS,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, PPPoE, Bonjour |
| API | Open-ended, supports ONVIF, ISAPI, and CGI, HIKVISION SDK and third-party management platform, Hik-Connect |
| Simultaneous Live View | Up to 20 channels |
| User/Host | Up to 32 users, 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, Hik-Connect |
| Web Browser | IE 8 to 11, Chrome 31.0 to 44, Firefox 30.0 to 51 |
| **Interface** | |
| Audio | 1-ch audio input and 1-ch audio output, built-in microphone |
| Communication Interface | 1-port RJ45 10 M/100 M Ethernet, PoE |
| **General** | |
| Power | 12 VDC and PoE, maximum: 12 W (maximum 3.9 W for IR) |
| Working Temperature | -4° to 140° F (-20° to 60° C) |
| Working Humidity | ≤90% non-condensing |
| Protection Level | IP66 Standard, IK10, TVS 4000V lightning protection, surge protection, and voltage transient protection |
| Material | Aluminum alloy, PC, PC + ABS |
| Dimensions | Ø5.15" x 4.00" (Ø130.7 mm × 101.7 mm) |
| Weight | Approximately 1.17 lbs (0.53 kg) |

# Accessories



**WMP-MPZ**
Wall Mount

# Dimensions



Unit:mm

HIKVISION

083120NA