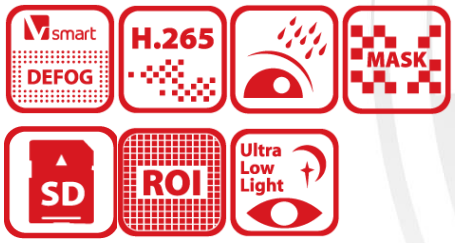
# DS-2DYH2A0IXS-D(T2)
## 2 MP Network Stable Positioning System




Hikvision DS-2DYH2A0IXS-D(T2) 2 MP 100 × Network Stable Positioning System adopts 1/1.8" progressive scan CMOS chip. With the 100 × 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, forests, roads, railways, airports, ports, squares, parks, scenic spots, stations and large venues, etc.

- 2 MP, up to 1920 × 1080 resolution
- Focal length: 10 mm to 1000 mm, 100 × optical zoom, 16× digital zoom
- Excellent low-light performance with powered-by-DarkFighter technology
- Up to 3000 m laser distance
- The device adopts the wiper for car, which can effectively work in all weather conditions and easy to change
- Support power-off memory. The device restores to the last position at which it stays for a certain period (configurable) before power-off
- Support optical defog and OIS
- Water and dust resistant (IP66)

## ▪ Specification

| | |
|---|---|
| **Camera Module** | |
| Image Sensor | 1/1.8" progressive scan CMOS |
| Min. Illumination | Color: 0.005 Lux @ (F3.0, AGC ON)<br>B/W: 0.0005 Lux @ (F3.0, AGC ON), 0 Lux with laser |
| Shutter Speed | 1/1 s to 1/30,000 s |
| Focus | semi-auto, manual, auto |
| Day & Night | ICR |
| 3D DNR | yes |
| Defog | yes |
| OIS | yes |
| White Balance | Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp |
| Digital Zoom | 16 × |
| Optical Zoom | 10 mm to 1000 mm, 100 × optical |
| Privacy Mask | up to 24 masks,polygon region ,mosaic mask ,mask color configurable |
| Optical Defog | yes |
| **Lens** | |
| Focal Length | 10 mm to 1000 mm, 100 × optical |
| FOV | Horizontal field of view: 31.2° to 0.4° (wide-tele)<br>Vertical field of view: 17.8° to 0.2° (wide-tele)<br>Diagonal field of view: 35.5° to 0.5° (wide-tele) |
| Aperture | F3.0 to F11.5 |
| **PTZ** | |
| Movement Range (Pan) | 360° |
| Movement Range (Tilt) | -45° to 45° (auto flip) |
| Pan Speed | pan speed: configurable from 0.1° ~ 40°/s |
| Tilt Speed | tilt speed: configurable from 0.1° ~ 20°/s |
| Proportional Zoom | yes |
| Presets | 300 |
| Patrol Scan | 8 patrols, up to 32 presets for each patrol |
| Pattern Scan | 4 pattern scans, record time over 10 minutes for each scan |
| Power-off Memory | yes |
| Park Action | preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan |
| 3D Positioning | yes |
| PTZ Status Display | yes |
| Preset Freezing | yes |
| Scheduled Task | preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan, dome reboot, dome adjust, aux output |
| **Video** | |
| Max. Resolution | 1920 × 1080 |
| Stream Type | main stream, sub-stream, third stream |

| | |
|---|---|
| Main Stream | 50Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720)<br>60Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720) |
| Sub-Stream | 50Hz: 25 fps (704 × 576, 640 × 480, 352 × 288)<br>60Hz: 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 | H.265, H.264, MJPEG |
| H.264 Type | baseline profile, main profile, high profile |
| **Audio** | |
| Audio Compression | G722.1/G.711ulaw/G.711alaw/MP2L2/G.726/PCM |
| **Smart Features** | |
| Face Capture | yes |
| Basic Event | motion detection, video tampering alarm, alarm input, alarm output, exception |
| Smart Event | Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, unattended baggage detection, object removal detection, Intrusion Detection |
| Smart Encoding | low bit rate, ROI, SVC |
| **Network** | |
| Protocols | IPv4/IPv6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTP,TCP/IP,UDP,IGMP,ICMP,DHCP,PPPoE,Bonjour |
| API | Open Network Video Interface, CGI, ISUP |
| Simultaneous Live View | 20 |
| User/Host | Up to 32 users. 3 levels: Administrator, Operator and User |
| **Interface** | |
| Communication Interface | 1 RJ45 10 M/100 M Ethernet Interface |
| On-board Storage | Built-in microSD slot,support microSD/microSDHC/microSDXC cards, up to 256 GB |
| Alarm Input | 7 alarm inputs |
| Alarm Output | 2 alarm outputs |
| Audio Input | 1 audio input, 2.0 to 2.4Vp-p, 1k Ohm±10% |
| Audio Output | 1 audio output, line level, impedance: 600 Ω |
| RS-485 | Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive |
| **Supplement Light** | |
| Laser Distance | up to 3000 m Laser distance |
| Wavelength | 808 nm |
| **General** | |
| Power | DC48V, 6.67 A, 320 W max |
| Operating Conditions | Temperature: -40°C to 70°C (-40°F to 158°F), Humidity: ≤ 95% |
| Wiper | Yes. Rain-sensing auto control |
| Dimensions | 662 mm × 449 mm × 620 mm (26.06" × 17.68" × 24.41") |
| Weight | 50 kg (110.25 lb.) |
| Web Client Language | English |
| **Approval** | |
| Protection | IP66 Standard, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection |

## ▪ DORI

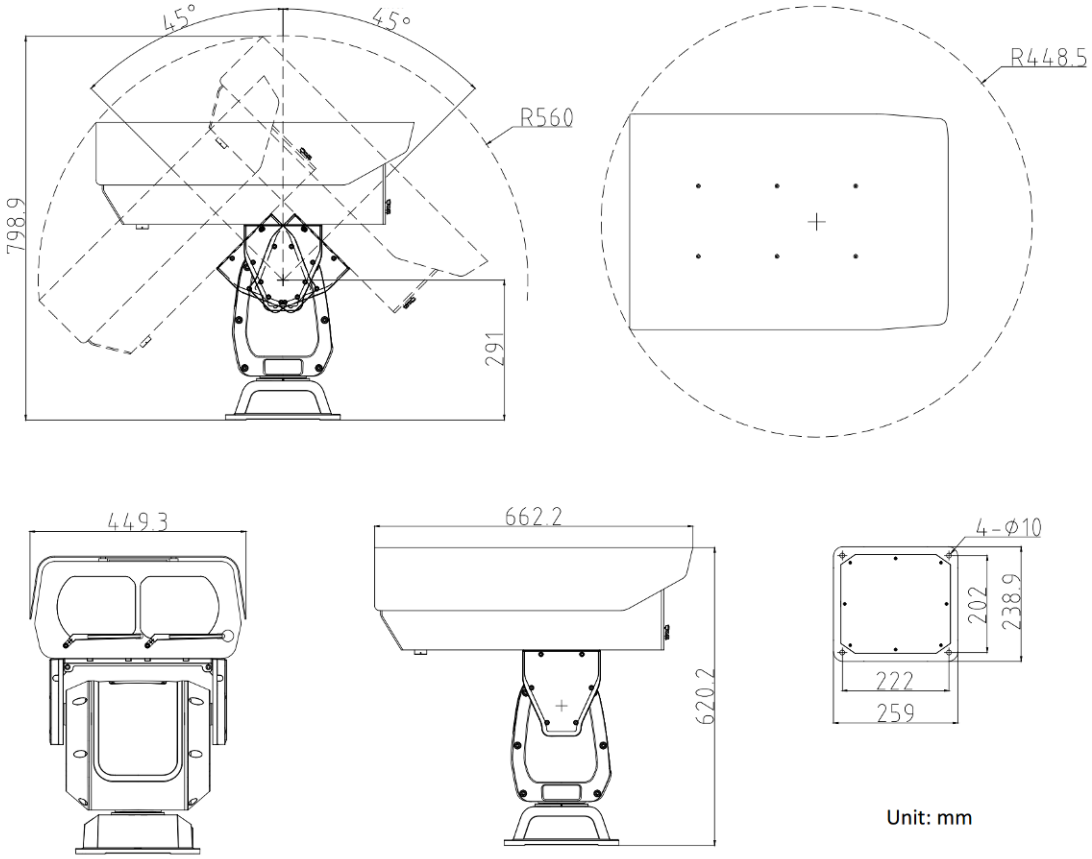
The DORI (detect, observe, recognize, identify) distance gives the general idea of the camera ability to distinguish persons or objects within its field of view. It is calculated based on the camera sensor specification and the criteria given by EN 62676-4: 2015.

| DORI | Detect | Observe | Recognize | Identify |
|---|---|---|---|---|
| Definition | 25 px/m | 63 px/m | 125 px/m | 250 px/m |
| Distance (Tele) | 11034.5 m (36202.43 ft) | 4378.8 m (14366.14 ft) | 2206.9 m (7240.49 ft) | 1103.4 m (3620.08 ft) |

## ▪ Available Model

DS-2DYH2A0IXS-D (T2)

## ▪ Dimension




Unit: mm

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