

DS-2DY9236I8X-A (T3) 2 MP 36 × Laser Network Positioning System

DarkFighter



Hikvision DS-2DY9236I8X-A 2 MP 36 × Laser Network Positioning System adopts 1/1.8" progressive scan CMOS chip. With the 36 × 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.

Key Features

- 1/1.8" progressive scan CMOS
- Up to 1920 × 1080 resolution
- Min. illumination:
Color: 0.002 Lux @(F1.3, AGC ON)
B/W: 0.0002 Lux @(F1.3, AGC ON)
0 Lux with Laser
- Rain-sensing auto wiper
- 36 × optical zoom, 16 × digital zoom
- 140 dB WDR, 3D DNR, HLC, BLC, Smart IR
- 24 VAC
- Support H.265+/H.265 video compression
- Support up to 800 m laser distance
- Support vandal-proof alarm
- Support face capture to detect, track, capture, grade, and select face in motion
- Support road traffic to detect vehicles, including license plate number, vehicle model, and vehicle color



Specification

| Camera Module | |
|-----------------------|---|
| Image Sensor | 1/1.8" progressive scan CMOS |
| Min. Illumination | Color: 0.002 Lux @ (F1.3, AGC ON) B/W: 0.0002 Lux @ (F1.3, AGC ON) 0 Lux with Laser |
| Shutter Speed | 1/1 s to 1/30,000 s |
| Focus | Semi-Auto, Manual, Auto |
| Day & Night | ICR |
| BLC | Yes |
| WDR | 140 dB WDR |
| HLC | Yes |
| 3D DNR | Yes |
| EIS | Yes. Built-in gyroscope to improve EIS performance. |
| Regional Exposure | Yes |
| Regional Focus | Yes |
| White Balance | Auto, ATW, Sodium Lamp, Fluorescent Lamp, Indoor, Outdoor |
| Digital Zoom | 16 × |
| Optical Zoom | 36 × |
| Privacy Mask | Up to 24 masks, polygon region, mosaic mask, mask color configurable |
| General Function | Mirror, Password Protection, Watermark, IP Address Filter |
| Lens | |
| Focal Length | 6.0 mm to 216 mm, 36 × Optical |
| Zoom Speed | Approx. 4.5 s |
| FOV | Horizontal field of view: 56.6° to 2.0° (wide-tele), Vertical field of view: 33.7° to 1.2° (wide-tele), Diagonal field of view: 63.4° to 2.3° (wide-tele) |
| Aperture | F1.3 |
| PTZ | |
| Movement Range (Pan) | 360° |
| Movement Range (Tilt) | From -90° to 40° (auto-flip) |
| Pan Speed | Configurable, from 0.1°/s to 100°/s, Preset Speed: 100°/s |
| Tilt Speed | Configurable, from 0.1°/s to 50°/s, Preset Speed: 100°/s |
| Proportional Zoom | Yes |
| Presets | 300 |
| Patrol Scan | 8 patrols |
| Pattern Scan | 4 pattern scans |
| 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 |
| Vandal-proof Alarm | Yes |
| Video | |
| Max. Resolution | 1920 × 1080 |
| Main Stream | 50Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720) |
| Sub-Stream | 50Hz: 25fps (704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240) |

| | |
|-------------------------|--|
| Third Stream | 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (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 |
| H.265 Type | main profile |
| H.264+ | Yes |
| H.265+ | Yes |
| SVC | Yes |
| ROI | Yes |
| Audio | |
| Audio Compression | G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, PCM |
| Smart Features | |
| Basic Event | Motion Detection, Video Tampering Alarm, Alarm Input, Alarm Output, Exception |
| Smart Event | Unattended Baggage Detection, Object Removal Detection, Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Audio Exception Detection |
| Face Capture | Support detecting up to 30 faces at the same time. Support detecting, tracking, capturing, grading, selecting of face in motion, and output the best face picture of the face. |
| Road Traffic | Support vehicle detection (license plate number, vehicle model, and vehicle color recognition) |
| Smart Tracking | Manual Tracking, Event Tracking, Auto-Tracking |
| Smart Record | ANR, Dual-VCA |
| Alarm Linkage | Alarm actions, such as Preset, Patrol Scan, Pattern Scan, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card/NAS, Send Email, etc. |
| Network | |
| 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,ONVIF (Profile S, Profile G, Profile T) |
| 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, iVMS-5200, Hik-Connect |
| Web Browser | IE 8 to 11, Chrome 31.0+, Firefox 30.0+, Safari 11+ |
| Interface | |
| Communication Interface | 1 RJ45 10 M/100 M Ethernet Interface |
| On-board Storage | Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB; NAS (NFS, SMB/ CIFS), ANR |
| Alarm Input | 7 alarm inputs |
| Alarm Output | 2 alarm outputs |
| Audio Input | 1 audio input, 2.0 to 2.4 Vp-p, 1k Ohm ± 10% |
| Audio Output | 1 audio output, line level, impedance: 600 Ω |
| Video Output | 1.0 V[p-p]/75 Ω, PAL, NTSC, BNC connector |
| RS-485 | Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive |
| Supplement Light | |
| Laser Distance | Up to 800 m laser distance |
| General | |
| Power | 24 VAC. Max. 120 W, including max. 25 W for laser and max. 13W for heater |
| Operating Conditions | Temperature: Outdoor: -40°C to 70°C (-40°F to 158°F); Humidity: ≤ 95% |
| Wiper | Yes. Rain-sensing auto control |
| Material | Aluminum alloy ADC12 |

| | |
|---------------------|--|
| Dimensions | 256 × 334 × 505 mm (10.08" × 13.15" × 19.88") |
| Weight | Approx. 17 kg (37.48 lb) |
| Web Client Language | 32 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) |
| 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) | 2979.3 m (9774.6 ft) | 1182.3 m (3878.9 ft) | 595.9 m (1955.1 ft) | 297.9 m (977.4 ft) |

Available Model

DS-2DY923618X-A (T3), 24 VAC

**You are recommended to purchase memory card together with the product if needed. After ordering, the memory card will be installed to product during manufacturing.*

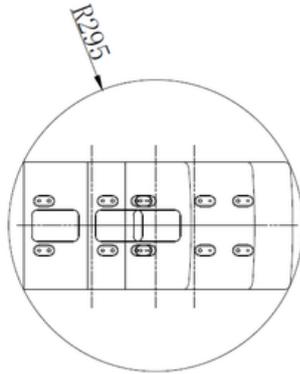
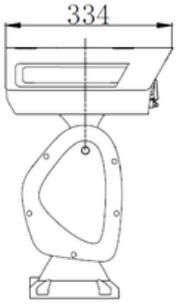
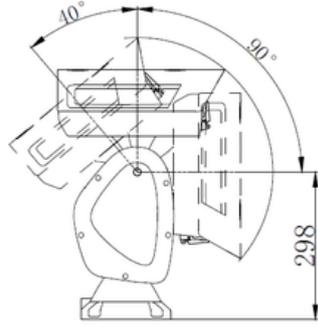
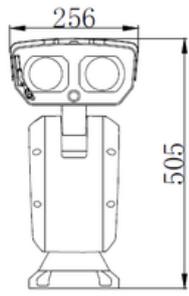
Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

| Level | Description |
|------------------------|--|
| Top-level protection | Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more. |
| Moderate protection | Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain. |
| No specific protection | Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed. |

Dimensions



**Accessory
Optional****DS-1693ZJ
Wall Mount****MKAC-96-248000V (UK)
MKAC-96-248000V (EU)
MKAC-96-248000U (US)
Power Adapter**

Distributed by

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