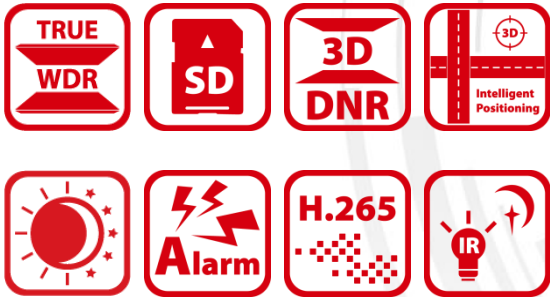


DS-2DY9250IX-A (D) 2MP 50× IR Network Positioning System



Hikvision DS-2DY9250IX-A 2MP 50× IR Network Positioning System adopts 1/2.8" progressive scan CMOS chip. With the 50× 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

- 1/2.8" progressive scan CMOS
- Up to 1920 × 1080 resolution
- Min. illumination:
Color: 0.01 Lux @(F1.8, AGC ON)
B/W: 0.001 Lux @(F1.8, AGC ON)
0 Lux with IR
- 50 × optical zoom, 16 × digital zoom
- 120 dB WDR, 3D DNR, HLC, BLC, OIS
- 24 VAC
- Support up to 400 m IR distance
- Support H.265+/H.265 video compression



Specification

| Camera Module | |
|---|---|
| 2MP 50 × IR Network Positioning System | |
| Image Sensor | 1/2.8" progressive scan CMOS |
| Min. Illumination | Color: 0.01 Lux @(F1.8, AGC ON) B/W: 0.001 Lux @(F1.8, AGC ON) 0 Lux with IR |
| White Balance | Auto/Manual/ATW (Auto-tracing White Balance)/ Indoor/Outdoor/Fluorescent lamp/Sodium lamp |
| AGC | Auto/Manual |
| Shutter Time | 1/1 s to 1/30,000 s |
| Day & Night | IR Cut Filter |
| Digital Zoom | 16 × |
| Privacy Mask | 24 programmable polygon privacy masks, mask color or mosaic configurable |
| Focus Mode | Auto/Semi-automatic/Manual |
| WDR | 120 dB WDR |
| Lens | |
| Focal Length | 6.6 mm to 330 mm, 50× Optical |
| Zoom Speed | Approx. 4.5 s (optical lens, wide-tele) |
| FOV | Horizontal field of view: 41.3° to 1.1° (wide-tele) Vertical field of view: 23.6° to 0.6° (wide-tele) Diagonal field of view: 47.4° to 1.3° (wide-tele) |
| Working Distance | 10 mm to 1500 mm (wide-tele) |
| Aperture Range | F1.8 to F5.5 |
| PTZ | |
| Movement Range (Pan) | 360° endless |
| Pan Speed | Configurable, from 0.1°/s to 100°/s, Preset Speed: 50°/s |
| Movement Range (Tilt) | From -90° to 40° (auto-flip) |
| Tilt Speed | Configurable, from 0.1°/s to 50°/s, Preset Speed: 100°/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 |
| PTZ Position Display | ON/OFF |
| 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 |
| 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+ | Yes |
| H.265 Type | Main Profile |
| H.265+ | Yes |
| Video Bitrate | 32 kbps to 16384 kbps |
| Audio Compression | G.711alaw/G.711ulaw/G.722.1/G.726/MP2L2/PCM |
| Audio Bitrate | 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-160Kbps(MP2L2) |
| Smart Feature | |
| Smart Detection | Face Detection, Intrusion Detection, Line Crossing Detection, Audio Exception Detection, Region Entrance Detection, Region Exiting Detection |
| ROI encoding | Main stream, sub-stream and third stream respectively support eight fixed areas. |
| Smart Record | ANR (Automatic Network Replenishment), Dual-VCA |

| IR | |
|--------------------------------|---|
| IR Distance | 400 m |
| Smart IR | Yes |
| Image | |
| Max. Resolution | 1920 × 1080 |
| Main Stream | 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 50fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720) 60fps (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) |
| Image Enhancement | HLC/BLC/3D DNR/Defog/OIS/Regional Exposure/Regional Focus |
| SVC | Yes |
| Network | |
| Network Storage | Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NFS, SMB/CIFS), ANR |
| 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. |
| Protocols | IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, DHCP, PPPoE, Bonjour |
| API | ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK |
| 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-5200 |
| Web Browser | IE 8 to 11, Chrome 31.0+, Firefox 30.0+, Edge 16.16299+, Safari 11+ |
| Interface | |
| Audio | 1-ch audio input/1-ch audio output |
| Network Interface | 1 RJ45 10 M/100 M Ethernet Interface |
| Alarm | 7-ch alarm input/2-ch alarm output |
| RS-485 | Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive |
| BNC | 1.0 V [p-p]/75 Ω, NTSC (or PAL) composite, BNC |
| General | |
| Language (Web Browser Access) | 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) |
| Power | 24 VAC, Max. 110 W, including max. 27.2 W for IR and max. 31W for heater |
| Working Environment | Temperature: Outdoor: -40°C to 70°C (-40°F to 158°F) Humidity: ≤ 95% |
| Protection Level | IP66 Standard; 6000V Lightning Protection, Surge Protection and Voltage Transient Protection |
| Material | Aluminum alloy ADC12 |
| Dimensions | Φ460 mm × 491 mm (Φ 18.11" × 19.33") |
| Weight | Approx. 13 kg (28.66 lb) |

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.

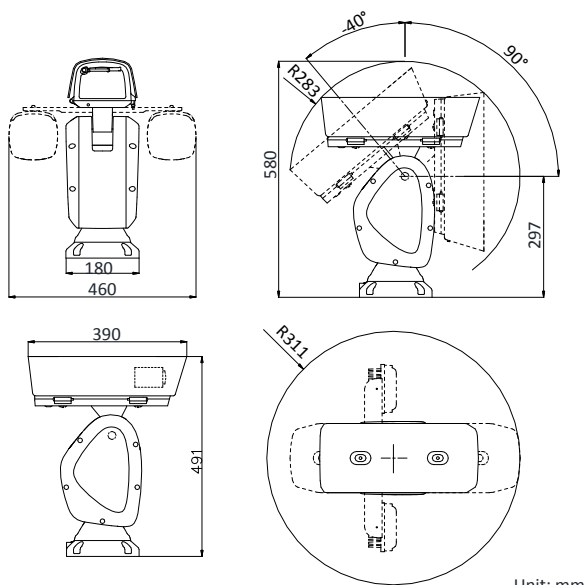
| DORI | Detect | Observe | Recognize | Identify |
|-----------------|-----------------------|--------------------|---------------------|---------------------|
| Definition | 25 px/m | 63 px/m | 125 px/m | 250 px/m |
| Distance (Tele) | 4137.9 m (13575.9 ft) | 1642 m (5387.3 ft) | 827.6 m (2715.2 ft) | 413.8 m (1357.6 ft) |

Order Model

DS-2DY9250IX-A (D), 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.*

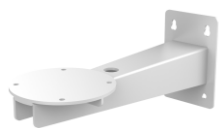
Dimensions



Unit: mm

Accessory

Optional



DS-1693ZJ
Wall Mounting Bracket



MKAC-96-248000V (UK)
MKAC-96-248000V (EU)
MKAC-96-248000U (US)
Power Adapter

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