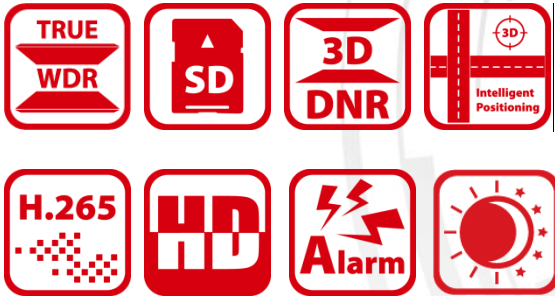


DS-2DY9250X-A 2MP 50× Network Positioning System



Hikvision DS-2DY9250X-A 2MP 50× 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: 0.05 Lux @(F1.8, AGC ON)
B/W: 0.01 Lux @(F1.8, AGC ON)
- 50× optical zoom, 16× digital zoom
- 120 dB WDR, 3D DNR, HLC, BLC
- 24 VAC
- Support H.265+/H.265 video compression



Specification

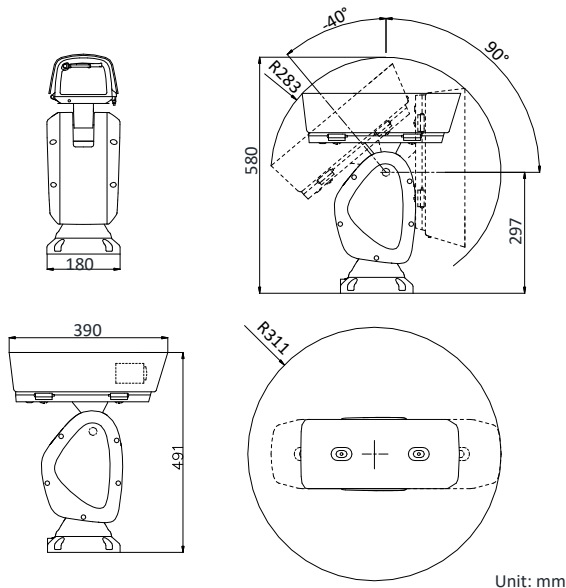
| Camera Module | | 2MP 50× Network Positioning System | |
|-----------------------|---|------------------------------------|--|
| Image Sensor | 1/2.8" progressive scan CMOS | | |
| Min. Illumination | Color: 0.05 Lux @(F1.8, AGC ON) B/W: 0.01 Lux @(F1.8, AGC ON) | | |
| White Balance | Auto/Manual/ATW (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 privacy masks | | |
| 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: 100°/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 | Support | | |
| 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 | Support | | |
| Park Action | Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan | | |
| PTZ Position Display | ON/OFF | | |
| Preset Freezing | Support | | |
| 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+ | Support | | |
| H.265 Type | Main Profile | | |
| H.265+ | Support | | |
| 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 |
| 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/EIS/Regional Exposure/Regional Focus |
| SVC | Support |
| Network | |
| Network Storage | Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NPS, 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 | Open-ended, support ONVIF, PSIA and CGI, support HIKVISION SDK and Third-Party Management Platform |
| 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+, Firefox 30+, Safari 8.0+ web browser |
| 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 |
| Fiber Cable | 1 1000 M FC interface, TX1310/ RX1550 nm wavelength, 20 km transmission distance |
| BNC | 1.0 V [p-p]/75 Ω, NTSC (or PAL) composite, BNC |
| General | |
| Power | 24 VAC (Max. 70 W) |
| Working Environment | Temperature: Outdoor: -40°C to 70°C (-40°F to 158°F) Humidity: ≤ 90% |
| Protection Level | IP66 Standard; TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection |
| Material | Aluminum alloy ADC12 |
| Dimensions | Φ390 mm × 491 mm (Φ 15.35" × 19.33") |
| Weight | Approx. 11 kg (24.25 lb) |

Order Model

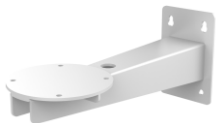
DS-2DY9250X-A 24 VAC

Dimensions



Unit: mm

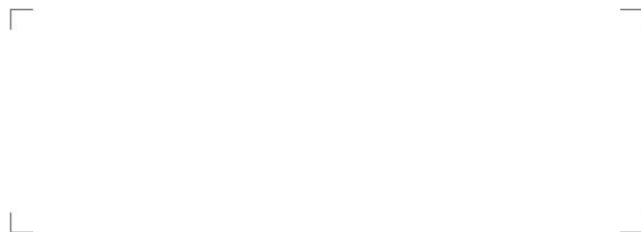
Accessories



DS-1693ZJ

Wall Mount

Distributed by



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