

## DS-2DY9236IX-A

### 2 MP 36× IR Network Positioning System



- **1/1.9" Progressive Scan CMOS**
- **Up to 1920 x 1080 Resolution**
- **Minimum Illumination:**  
Color: 0.002 Lux @ (F1.5, AGC ON)  
B/W: 0.0002 Lux @ (F1.5, AGC ON)  
0 Lux with IR
- **Up to 655 ft (200 m) IR Distance**
- **H.265+/H.265 Video Compression**
- **36x Optical Zoom, 16x Digital Zoom**
- **Electronic Image Stabilization**
- **Smart Detection: Line Cross, Intrusion, Region Enter/Exit**
- **120 dB WDR, 3D DNR, HLC, BLC**
- **IP66 Protection**
- **24 VAC, 110 W**

Hikvision DS-2DY9236IX-A IR Network Positioning Systems produce images with a resolution of up to 1920 x 1080 pixels.

The camera features a 36x optical zoom lens, with gyroscopically controlled Electronic Image Stabilization, that significantly reduces the visible impact from low frequency vibrations and shaking in applications where external factors would otherwise degrade image performance at high zoom.

The IR Network Positioning System also features a wide range of smart functions, including intrusion detection, line crossing detection, and audio exception, which allows for key events and objects to be recorded for further forensic needs.

**Available models:**  
DS-2DY9236IX-A



# Specifications

DS-2DY9236IX-A	
Camera Module	
Image Sensor	1/1.9" progressive scan CMOS
Minimum Illumination	Color: 0.002 Lux @(F1.5, AGC ON); B/W: 0.0002 Lux @(F1.5, AGC ON); 0 Lux with IR
Shutter Time	1/1 to 1/30,000 s
White Balance	Auto / manual / ATW (auto-tracking white balance) / indoor / outdoor / fluorescent lamp / sodium lamp
AGC	Auto / manual
Day and 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	5.6 mm to 207 mm, 36× Optical
Zoom Speed	Approximately 4.4 s (optical lens, wide to tele)
Angle of View	Horizontal field of view: 59.8° to 2.0° (wide to tele); vertical field of view: 33.6° to 1.1° (wide to tele); diagonal field of view: 68.6° to 2.3° (wide to tele)
Minimum Working Distance	10 mm to 1,500 mm (wide to tele)
Aperture Range	F1.5 to F4.5
IR	
IR Distance	Up to 655 ft (200 m)
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°
Tilt Speed	Configurable, from 0.1°/s to 40°/s, preset speed: 100°/s
Proportional Zoom	Supported
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	Supported
Park Action	Preset / pattern scan / patrol scan / auto scan / tilt scan / random scan / frame scan / panorama scan
PTZ Position Display	On / off
Preset Freezing	Supported
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+	Supported
H.265 Type	Main profile
H.265+	Supported
Video Bitrate	32 kbps to 16,384 kbps
Audio Compression	G.711 alaw / G.711 ulaw / G.722.1 / G.726 / MP2L2 / PCM
Audio Bitrate	G.711alaw / G.711ulaw: 64 Kbps; G.722.1: 16 Kbps; G.726: 16 Kbps; MP2L2: 32 Kbps to 160 Kbps; PCM: 16 Kbps
Smart Features	
Smart Detection	Audio exception detection, intrusion detection, line crossing 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	
Maximum Resolution	1920 × 1080
Main Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720); 50 fps (1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288); 60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288); 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
Image Enhancement	HLC / BLC / 3D DNR / Defog / Electronic Image Stabilization / Regional Exposure / Regional Focus
SVC	Supported
Network	
Network Storage	Built-in memory card slot, support microSD / 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 platforms
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 to 44, Firefox 30.0 to 51
Interface	
Audio	1-ch audio input/1-ch audio output
Network Interface	1 RJ45 10 M/100 M Ethernet Interface, Hi-PoE
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	
Power	24 VAC (maximum 110 W)
Working Temperature	-40° F to 158° F (-40°C to 70°C); humidity: ≤ 90%
Protection Level	IP66 standard, TVS 6,000V lightning protection, surge protection and voltage transient protection
Material	Aluminum alloy ADC12
Dimensions	18.11" x 15.35" x 19.33" (460 mm x 390 mm x 491 mm)
Weight	Approximately 28.66 lb (13 kg)

## Accessories



## Dimensions

