

iDS-2SR8141IXS-AB(40X)(T2)

4 MP 40x Radar PTZ Camera



- Up to 2560 x 1440 Resolution @ 60 fps
- Minimum Illumination
 - Color: 0.002 Lux @ (f/1.2, AGC On)
 - B/W: 0.0002 Lux @ (f/1.2, AGC On)
 - 0 Lux with IR
- Supports People Density Detection in Panoramic Channel
- 40x Optical Zoom, 16x Digital Zoom
- IR Distance: 660 ft (200 m), Supporting Smart IR
- Up to 230 ft (100 m) White Light Visual Alarm, Flashing and Solid Available
- 140 dB WDR
- Optical Defog, 3D DNR, HLC, EIS
- Vandal-Proof Alarm
- Detects Radar Events, Including Intrusion Detection, Line Crossing Detection
- Video Double Check, PTZ Camera Double Checks
- Radar Detected Targets Decrease False Alarms

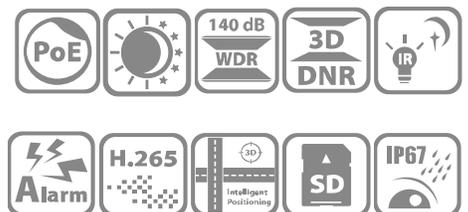
The Hikvision iDS-2SR8141IXS-AB(40X)(T2) Radar PTZ Camera combines security radar with network speed dome. The radar adopts phased array technology for intrusion detection, which is able to detect the distance, speed, and location of targets.

The device supports multi-target positioning, pattern tracking, and linked camera tracking in multiple directions. It can filter out false alarms in various event detections via intelligent algorithm analysis.

The radar PTZ camera can effectively work day and night in all weather conditions, including rain and fog. This product is suitable for many types of surveillance sites such as borderline, military areas, prisons, power stations, railways, museums, airports, and other locations that need perimeter protection.

Available Model

iDS-2SR8141IXS-AB(40X) (T2)



Specifications

iDS-2SR8141IXS-AB(40X)(T2)	
Camera Module	
Image Sensor	1/1.8" progressive scan CMOS
Minimum Illumination	Color: 0.002 lux @ (f/1.2, AGC on); B/W: 0.0002 lux @ (f/1.2, AGC on), 0 lux with IR
Shutter Speed	1/1 s to 1/30,000 s
Slow Shutter	Yes
Focus	Semi-auto, manual, auto
Day/Night	ICR
BLC	Yes
WDR	140 dB WDR
HLC	Yes
3D DNR	Yes
EIS	Yes
Regional Exposure	Yes
Regional Focus	Yes
Image Settings	Saturation, brightness, contrast, sharpness
Image Parameters Switch	Yes
White Balance	Auto, ATW, sodium lamp, fluorescent lamp, indoor, outdoor, MWB
Digital Zoom	16x
Optical Zoom	40x
Privacy Mask	Up to 24 masks, mosaic mask, mask color configurable, rectangle region
SNR	≥52 dB
General Function	Mirror, password protection, video tampering alarm, watermark, IP address filter
Optical Defog	Yes
Gain Control	Auto, manual
Lens	
Focal Length	6.0 mm to 240 mm, 40x optical
Zoom Speed	Approximately 4.8 s (optical, wide-tele)
FOV	Horizontal field of view: 59.0° to 1.8° (wide-tele), vertical field of view: 34.2° to 1.0° (wide-tele), diagonal field of view: 67° to 2.0° (wide-tele)
Minimum Working Distance	100 mm to 1500 mm (wide-tele)
Aperture	f/1.2
PTZ	
Movement Range (Pan)	360°
Movement Range (Tilt)	-20° to 90° (auto flip)
Pan Speed	Pan speed: configurable from 0.1° to 210°/s; preset speed: 280°/s
Tilt Speed	Tilt speed: configurable from 0.1° to 150°/s, preset speed 250°/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
Exception Detection	Network disconnected, IP address conflict, HDD full, illegal login, HDD error
Video	
Maximum Resolution	2560 × 1440
Main Stream	60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream	60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
Video Compression	H.265, H.264, MJPEG
Video Bit Rate	32 Kbps to 16384 Kbps
H.264 Type	Baseline profile, main profile, high profile
H.265 Type	Main profile
H.264+	Yes
H.265+	Yes
SVC	Yes
ROI	Dynamic target tracking, main stream, sub-stream and third stream respectively support eight fixed areas
Audio	
Audio Compression	G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, PCM
Audio Bit rate	64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 Kbps to 192 Kbps (MP2L2)

Specifications (continued)

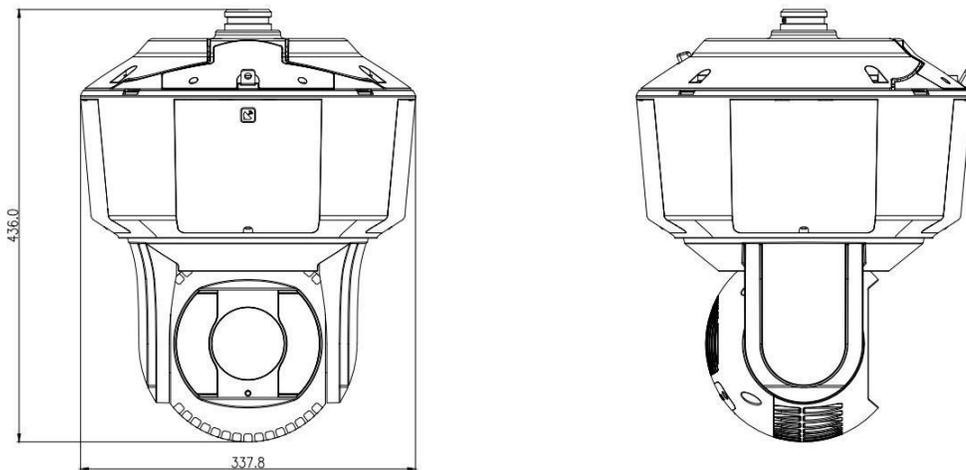
Smart Features	
Basic Event	Motion detection, video tampering alarm, alarm input, alarm output, exception
Smart Event	Intrusion detection, line crossing detection, region entrance detection, region exiting detection, audio exception detection
Smart Tracking	Manual tracking, panorama tracking, event tracking, support patrol tracking among multiple detection scenes
Smart Record	ANR, dual-VCA
Alarm Linkage	Preset, patrol scan, pattern scan, memory card video recording, alarm output, sending e-mail, notify surveillance center, upload to FTP
Smart Encoding	H.265+, H.264+, low bit rate, ROI
Warning and Alert	White light warning
Radar Event	Line crossing detection and intrusion detection, detected target tracked and captured by PTZ camera channel, video double checks radar detected targets to improve detection accuracy
Network	
Network Storage	NAS (NFS, SMB/CIFS)
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	Open-ended, supports ONVIF, ISAPI, and CGI, HIKVISION SDK, and third-party management platform
Simultaneous Live View	20
User/Host	32
Security Measures	Authenticated user name and password, MAC address binding, HTTPS encryption, 802.1x authenticated access, IP address filter
Client	iVMS-4200
Web Browser	Firefox 30+, Safari 11+, Chrome 41+, IE 11.0.9600.17843 and above version
Interface	
Communication Interface	RJ-45, self-adaptive 10M/100M Ethernet port
On-Board Storage	Built-in microSD slot, supports 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 2.4 Vp-p, 1k Ω \pm 10%
Audio Output	1 audio output, line level, impedance: 600 Ω
RS-485	Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive
Supplement Light	
IR Distance	660 ft (200 m)
Visual Alarm	330 ft (100 m)
Smart IR	Yes
General	
Power	24 VAC \pm 25% (maximum 60 W, including maximum 5 W for heater, maximum 12 W for IR, maximum 6 W for white light, and maximum 8 W for radar)
Operating Conditions	Temperature: -40° to 70° C (-40° to 158° F), humidity: \leq 95% non-condensing
Dimensions	\varnothing 338 mm (\varnothing 13.31") \times 436 mm (17.17")
Weight	Approximately 12 kg (26.46 lb)
Approval	
Protection	IP67 standard, 6000V lightning protection, surge protection, and voltage transient protection
Radar	
Working Frequency	24.05 to 24.25 GHz
Detection Distance	Human: 330 ft (100 m); vehicle: 390 ft (120 m)
Horizontal Detection Angle	\pm 45°
Vertical Detection Angle	\pm 14°
Maximum Detectable Targets	32
Distance Measurement Accuracy	\pm 3 ft 4 in (\pm 1 m)
Speed Measurement Accuracy	\pm 3 in/s (\pm 0.07 m/s)
Angle Measurement Accuracy	\pm 1°

DORI

The DORI (detect, observe, recognize, identify) distance gives the general idea of the camera's 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)	3310.3 m (10860.6 ft)	1313.6 m (4309.7 ft)	662.1 m (2172.2 ft)	331.0 m (1086.0 ft)

Dimensions



Unit:mm

Accessories

NOT INCLUDED				
				
WMP-PV-G Wall Mounting Bracket	CPM-PV-G Pendant Mounting Bracket	CPM20-PV-G Pendant Mounting Bracket	A24-5A-950 (USA) Power Adapter	PM-G Pole Mount