



SICH-20132PR

2 MP 32X IR Network Speed Dome, 1/2.8" progressive scan CMOS. Can be widely used for wide ranges of high-definition (e.g. rivers, roads, railways, airports, squares, parks, etc.)

1/2.8" Progressive Scan CMOS

Up to 1920 × 1080@30fps resolution

Colour: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON), 0 Lux with IR

32X optical zoom, 16X digital zoom

WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus

Up to 150 m IR distance

24 Vac & Hi-PoE, IP66

Support H.265+/H.265 video compression

Camera Module

Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Colour: 0.005 Lux @ (F1.6, AGC ON) B/W: 0.001 Lux @ (F1.6, AGC ON) 0 Lux with IR
White Balance	Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp
Gain	Auto/Manual
Shutter Time	50 Hz: 1/1 ÷ 1/30,000 s 60 Hz: 1/1 ÷ 1/30,000 s
Day & Night	IR Cut Filter
Digital Zoom	16x
Privacy Mask	24 programmable privacy masks, mask color configurable
Focus Mode	Auto/Semi-automatic/Manual
WDR	120 dB WDR

Lens

Focal Length	4.8 ÷ 153 mm, 32X optical zoom
Zoom Speed	~ 5.6 s (optical lens, wide-tele)
Field of View (FOV)	Horizontal FOV : 55.6° ÷ 2.04° (Wide-Tele) Vertical FOV: 32.4° ÷ 1.14° (Wide-Tele) Diagonal FOV: 63° ÷ 2.34° (Wide-Tele)
Working Distance	10 ÷ 1500 mm (wide-tele)
Aperture Range	F1.2 ÷ F4.4

IR

IR Distance	150 m
Smart IR	Yes

PTZ

Movement Range (Pan)	360° endless
Pan Speed	Configurable, from 0.1°/s ÷ 120°/s Preset speed: 120°/s
Movement Range (Tilt)	-15° ÷ 90° (auto-flip)
Tilt Speed	Configurable, 0.1°/s ÷ 80°/s Preset Speed: 80°/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
3D Positioning	Yes
PTZ Position 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

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 Baseline Profile/Main Profile/High Profile
H.264 Type	Yes
H.264+	Yes
H.265 Type	Main Profile
H.265+	Yes
Video Bitrate	256 Kbps to 16384 Kbps
Audio Compression	G.711alaw/G.711ulaw/G.722.1/G.726/MP2L2/PCM
Audio Bitrate	G.711alaw/G.711ulaw: 64 Kbps G.722.1/G.726: 16 Kbps MP212/PCM: 32 Kbps to 160 Kbps
SVC	Yes

Smart Features

Basic Event	Motion Detection, Video Tampering Detection, Exception
Smart Event	Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Object Removal Detection, Unattended Baggage Detection, Audio Exception Detection
Smart Record	ANR (Automatic Network Replenishment), Dual-VCA
ROI	Main stream, sub-stream, and third stream respectively support four fixed areas.

Image

Max. Resolution	1920 × 1080
Main Stream	50 Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720), 50fps (1280 × 960, 1280 × 720) 60 Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720), 60fps (1280 × 960, 1280 × 720)
Sub-Stream	50 Hz: 25fps (704 × 576, 640 × 480, 352 × 288) 60 Hz: 30fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	50 Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60 Hz: 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

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, Trigger Recording, Trigger Alarm Output, 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, UDP, IGMP, ICMP, 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
Security Measures	3 levels: <i>Administrator, Operator and User</i> User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filtering
Client	CTR-MAZi, CMS-MAZi
Web Browser	IE 8 to 11, Chrome 31.0+, Firefox 30.0+, Edge 16.16299+

Interface

Network Interface	1 RJ45 10 M/100 M Ethernet, Hi-PoE
Audio	1-ch audio input, 2 to 2.4 V[p-p], 1 KΩ ± 10% 1-ch audio output, line level, impedance: 600 Ω
Alarm	2-ch alarm input/1-ch alarm output

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, 2.2 A, 50/60 Hz and Hi-PoE, 42.5 ÷ 57 Vdc, 1.41 A

Working Temperature
Working Humidity
Protection Level

Material
Dimensions
Weight

Max.: 30 W, including max. 10 W for IR
-30 °C ÷ +65 °C (-22 °F ÷ 149 °F)
≤ 90%
IP66 Standard, 4000 V Lightning Protection, Surge Protection and Voltage Transient Protection
ADC 12, PC, PC+10% GF
Φ 208 × 345 mm (Φ 8.19" × 13.58")
~ 3.3 kg (7.28 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)	1963.6 m (6442.4 ft)	779.2 m (2556.5 ft)	392.7 m (1288.5 ft)	196.4 m (644.2 ft)

