

FCS-4064

2 MP 32 × IR Network Speed Dome



FCS-4064 2 MP 32 × IR Network Speed

Dome adopts 1/2.8" progressive scan CMOS chip. With the 32 × 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, roads, railways, airports, squares, parks, scenic spots, and venues.

- High quality imaging with 2 MP resolution
- Excellent low-light performance via powered-by-DarkFighter technology
- Clear imaging against strong back lighting due to 120 dB WDR technology
- Pan and tilt ability enables camera to monitor zones of interest
- 32 × optical zoom allows for closer viewing of subjects in expansive areas
- Up to 200 m IR range ensures safety at night
- Water and dust resistant (IP66) and vandal resistant (IK10)
- Face capture: Up to 5 faces captured at the same time

▪ 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)	1600.0 m (5249.3 ft)	634.9 m (2083.1 ft)	320.0 m (1049.9 ft)	160.0 m (524.9 ft)

▪ Specification

Camera	
Image Sensor	1/2.8" progressive scan CMOS
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON); B/W: 0.001 Lux @ (F1.6, AGC ON), 0 Lux with IR
Shutter Speed	1 s to 1/30,000 s
Slow Shutter	Yes
Day & Night	IR cut filter
Zoom	32 × optical, 16 × digital
Max. Resolution	1920 × 1080
Lens	
Focus	Auto, semi-auto, manual
Focal Length	4.8 mm to 153.6 mm
Zoom Speed	Approx. 4.8 s
FOV	Horizontal field of view: 58.6° to 2.4° (wide-tele), Vertical field of view: 29.6° to 1.4° (wide-tele), Diagonal field of view: 67.0° to 2.8° (wide-tele)
Aperture	Max. F1.6 Auto, semi-auto, manual
Illuminator	
Supplement Light Type	IR
Supplement Light Range	IR Distance: up to 200 m
PTZ	
Movement Range (Pan)	360°
Movement Range (Tilt)	-15° to 90° (auto flip)
Pan Speed	Pan speed: configurable from 0.1° to 160°/s; preset speed: 240°/s
Tilt Speed	Tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s
Proportional Pan	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 Status Display	Yes
Preset Freezing	Yes

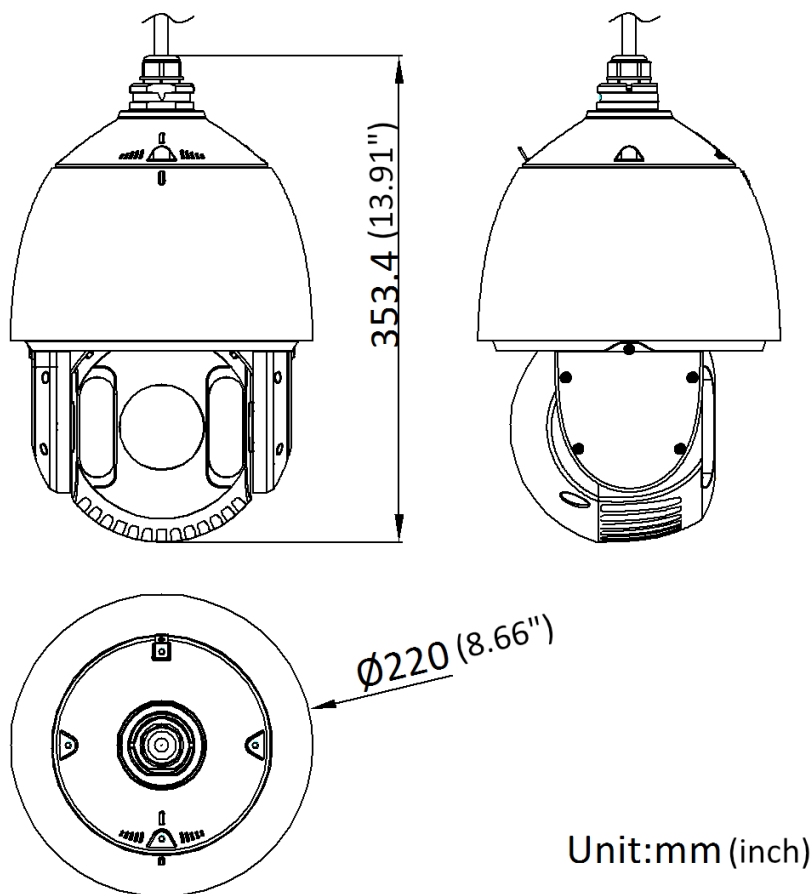
Scheduled Task	Preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan, dome reboot, dome adjust, aux output
Video	
Main Stream	50 Hz: 50 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 60 fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (704 × 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)
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
Video Bit Rate	32 kbps to 16384 kbps
H.264 Type	Baseline profile, main profile, high profile
H.265 Type	Main profile
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	8 fixed regions for each stream
Audio	
Audio Compression	G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, PCM
Audio Bit Rate	MP2L2: 32 kbps, 40 kbps, 48 kbps, 56 kbps, 64 kbps, 80 kbps, 96 kbps, 112 kbps, 128 kbps, 144 kbps, 160 kbps, 192 kbps
Audio Sampling Rate	MP2L2: 16 kHz, 32 kHz, 48 kHz, PCM: 8 kHz, 16 kHz, 32 kHz, 48 kHz
Environment Noise Filtering	Yes
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, ISUP, Bonjour, Websocket, Websockets, IP-conflict detection
API	ISUP, ISAPI, SDK, Open Network Video Interface
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users, 3 user levels,
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, control timeout settings, security audit log, TLS 1.2, host authentication (MAC address)
Web Browser	IE11, Chrome 57+, Firefox 52+, Safari 12+
Image	
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Wide Dynamic Range (WDR)	120 dB
Defog	Digital defog
Image Stabilization	No
Regional Exposure	Yes
Regional Focus	Yes

Image Settings	Saturation, brightness, contrast, sharpness, gain, and white balance adjustable by client software or web browser
Image Parameters Switch	Yes
Privacy Mask	24 programmable polygon privacy masks, mask color or mosaic configurable
SNR	> 52dB
Interface	
Ethernet Interface	1 RJ45 10M/100M self-adaptive Ethernet port
Alarm	2 alarm inputs, 1 alarm output
Audio	1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 K Ω $\pm$ 10%; 1 output (line out), line level, output impedance: 600 Ω
Reset	Yes
Event	
Basic Event	Video tampering alarm, motion detection, alarm input, alarm output, exception
Smart Event	Face detection, line crossing detection, region entrance detection, unattended baggage detection, object removal detection, intrusion detection, region exiting detection, audio exception detection
Smart Tracking	Manual tracking, auto-tracking
Alarm Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, and PTZ actions (such as preset, patrol scan, pattern scan)
Deep Learning Function	
Face Capture	Detects up to 5 faces simultaneously. Supports detecting, capturing, grading, selecting of face in motion, and output the best face picture of the face
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle)
General	
Power	24 VAC, Max. 24 W, including max. 1.6 W for heater and 12 W for IR; PoE (802.3at)
Operating Condition	-30°C to 65°C (-22°F to 149°F) , humidity lower than 90%RH
Demist	Yes
Material	ADC 12, PC, PC+10%GF
Dimension	Ø 220 mm × 353.4 mm (Ø 8.66" × 13.91")
Weight	Approx. 4.5 kg (9.92 lb.)
Approval	
EMC	FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3:2013+A1:2019, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC (ICES-003: Issue 7); KC (KN 32: 2015, KN 35: 2015)
Safety	UL (UL 62368-1) , CB (IEC 62368-1:2014+A11); CE-LVD (EN 62368-1:2014+A11:2017), BIS (IS 13252(Part 1):2010/ IEC 60950-1: 2005); LOA (IEC/EN 60950-1)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IK10 (IEC 62262:2002), IP66 (IEC 60529-2013), 6000V Lightning Protection, Surge Protection and Voltage Transient Protection

▪ Available Model

FCS-4064

▪ Dimension



Included

Standard Wall Mount

Power adapter



Optional Accessories:



Model	CAS-7331	CAS-7332	CAS-7333	CAS-7334
Type	Wall mount	Vertical pole mount	Corner mount	Wall mount, including power box
Description Spec	white Aluminum alloy 97×182×305mm	white Aluminum alloy 117×194×310mm	white Aluminum alloy 176.8×194×419.5mm	white Aluminum alloy Φ209.2×310×399.1mm



Model	CAS-7335	CAS-7336	CAS-7337	CAS-7338
Type	Vertical Pole Mount with junction box	Wall Mount with junction box	Gooseneck mount	Pendant mount
Description Spec	white Aluminum alloy & steel 209.7×314×600mm	white Aluminum alloy & steel 255.5×314×546.4mm	white Aluminum alloy 455.2×130.4×841.5mm	white Aluminum alloy Φ116.5×200mm



Model	CAS-7339	CAS-7340	CAS-7341
Type	Pendant mount	Ceiling mount	Parapet mount
Description Spec	white Aluminum alloy Φ116.5×500mm	white Aluminum alloy Φ116.5×57mm	white Aluminum alloy Φ180×950×800mm