

Datasheet



Camera

CC410W

Synology

CC410W



AI-Powered Wi-Fi Camera for Flexible Installation

The CC410W is a 4MP Wi-Fi camera that enables seamless connectivity without the need for complex wiring. It provides crisp, high-resolution HDR video at 2560×1440, with a smooth 30 FPS and features a wide 125-degree field of view. It is weatherproof with an IP65 rating and includes two-way audio for immediate communication. Plus, it boasts edge AI capabilities for enhanced security and response efficiency.

- **Crisp Video, Night and Day**
4 MP sensor with 125° wide-angle view, and high power IR LED for 10 meters of night vision
- **Dual Band Wi-Fi**
Supports both 2.4 GHz and 5 GHz Wi-Fi networks
- **Integrated 2-way Audio**
Enables remote conversations and instructions to deter threats and respond immediately
- **Edge AI Detection and Search**
Camera-based AI capabilities for enhanced security
- **Flexible Deployment**
A cross-platform design enables on-premises or cloud-based management



Flexible Securing Every Corner

Compact, wide-angle, Wi-Fi-connected camera designed to secure any environment.

- 4 MP (2560×1440) resolution and 125° viewing angle for clear and wide coverage
- Wall/ceiling/magnet mount offers durable, flexible positioning on various surfaces
- IP65 weather resistance ensures functionality in diverse conditions, from dusty winds to rainy climates
- Two-way audio enables real-time communication to deter potential threats and provide immediate on-scene response without delay
- High Dynamic Range (HDR) ensures clear, detailed images in both shadows and bright areas despite high contrast light conditions
- High power infrared LED provides clear night vision up to 10 meters



Flexible deployment options

A cross-platform design enables you to choose between on-premises or cloud-based management.

- **Surveillance Station:** Host video locally on your NAS for complete local control¹
- **Surveillance365:** A cloud-native VSaaS solution for serverless, rapid deployment²
- **BeeStation Plus:** Build your own private monitoring hub and manage cameras through the BeeCamera app
- **Third-Party System:** Connect to other NVR or VMS using the standard ONVIF protocol



Secure and safe, always reliable

From monitoring to recording, protect your footage with our integrated safeguards.

- The camera is NDAA and TAA compliant, meeting US government procurement regulations
- Privacy masks can be permanently embedded into footage or applied to live view to cover sensitive areas
- Long-term firmware support from Synology includes security patches and updates

Notes:

1. When used with Surveillance Station, the camera must be paired with a Surveillance Device License Pack. Please ensure sufficient licenses are available.
2. When used with Surveillance365, a Synology microSD card is recommended to ensure optimal compatibility and performance. For third-party cards, a Class 10 (C10) / UHS-1 (U1) / V10 high-quality microSD card with a minimum write speed of 10MB/s is recommended.

Hardware Overview





No.	Name	No.	Name
1.	Microphone	5.	MicroSD Slot
2.	Status Indicator	6.	Set Screw
3.	Speaker	7.	Mounting Plate and Magnet
4.	Reset Button		

Technical Specifications

Hardware Specifications

Optical

Image Sensor	1/3"
IR LED wavelength	850 nm
Max. IR distance	10m (32.8ft) (0.001lux)
Shutter Speed	1/16000 s to 1/30 s
Day & Night	Automatically removable infrared-cut filter

Lens

Lens type	Fixed Focal
Focal Length	2.12 mm
Field of View	125° H, 72° V, 145° D (LDC ON)
DORI	D: 45m, O: 18m, R: 9m, I: 4.5m
Aperture	F2.0

Video

Max. video resolution	2560×1440 @ 30 FPS
Multi-exposure HDR	v
DNR	• 3DNR • 2DNR

Audio

Microphone	v
Speaker	v

Connection

WiFi Protocol	IEEE 802.11 a/b/g/n/ac
WiFi Frequency	2.4 GHz / 5 GHz
Wireless Encryption Protocol	• WPA Personal • WPA2 Personal • WPA3 Personal

I/O

Reset	v
On board storage	MicroSD card slot X 1 Supported file format: exFAT Note: microSD card is not included

Power Supply

5V DC

General

Form Factor	Cube
Dimension	Ø54 × 110 mm (Ø2.13 × 4.33")
Weight	200 g (0.44 lbs)

Temperature

Operating Condition	Starting temperature:-20°C to 40 °C (-4°F to 104°F) Operating humidity:5%~95% (non-condensing)
Storage Condition	Storage temperature:-40°C to 60°C (-40°F to 140°F) Storage humidity:5%~95% (non-condensing)

Certification

Regulatory Compliance	BSMI, CE, CB, FCC, iDA, IC, JATE, NCC, RCM, TELEC, UKCA, VCCI
Environment	REACH, ROHS, WEE
Waterproof	IP65
Vandal	-
NDAA Compliant	v
TAA Compliant	v

Warranty

2-year

Packaging Content

- Main Unit X 1
- 5V DC power adapter X 1
- Installation guide X 1
- Screw pack X 1

Software Specifications

Video & Audio	Surveillance Station	Surveillance365
Main Stream	2560×1440 @ 30 FPS 2304×1296 @ 30 FPS 1920×1080 @ 30 FPS 1280×720 @ 30 FPS	2560×1440 @ 30 FPS 1920×1080 @ 30 FPS 1280×720 @ 30 FPS
Maximum Bitrate	6144 kbps	3072 kbps
Sub Stream	1280×720 @ 30 FPS	Not supported
Video Format	- H.264 - H.265	H.264
Bitrate Control	- Maximum bitrate - Variable bitrate	- Maximum bitrate - Low bandwidth mode
Audio Compression	G.711	G.711
Audio Denoise	v	v
Image Adjustment	- Brightness - Contrast - Sharpness - Saturation - White Balance - Exposure Control - High Dynamic Range (HDR) 3D/2D Noise Reduction 50/60 Hz Flicker Reduction - Day/Night mode - Overlay	- Brightness - Contrast - Sharpness - Saturation - White Balance - Exposure Control - High Dynamic Range (HDR) 3D/2D Noise Reduction 50/60 Hz Flicker Reduction - Day/Night mode - Overlay
Day/Night Mode	- Auto - Day - Night - Schedule	- Auto - Day - Night - Schedule
Video Orientation	- Mirror - Flip - Rotation (0°, 90°, 180°, 270°)	- Mirror - Flip - Rotation (0°, 90°, 180°, 270°)
Privacy Mask	- Removeable/Unremovable mode - Up to 5 zones	- Unremovable mode - Up to 5 zones
Max RTSP Connections	4	Not supported

Analytics	Surveillance Station	Surveillance365
Event Analytics	• Audio Detection • Tampering Detection • Motion Detection	• Tampering Detection • Audio Detection
People & Vehicle	• People Detection • Vehicle Detection • Crowd Detection • Loitering Detection	• Loitering Detection • Vehicle Detection • People Detection
Counting	People and Vehicle Counting	Not supported
Intrusion	One way or Two way	One way or Two way
Instant Search	• Motion • Vehicle • People	Not supported
Auto Tracking	People	Not supported
QR code detection	v	Not supported
Notes	• Learn more about camera installation for AI functions. • Learn more about QR code scan rule.	Learn more about camera installation for AI functions.

Security	Surveillance Station	Surveillance365
IP Filter	• Auto Block • Allow/Block list	Not supported
Connection Management	v	Not supported
Firmware Update	• Automatically update to the important version • Automatically update to the latest version • Manual upload	• Automatically update to the important version • Automatically update to the latest version
Signed Firmware	v	v
HTTPS	v	v
SRTP	v	Not supported

Storage Management	Surveillance Station	Surveillance365
Storage	MicroSD card & Synology NAS	MicroSD card
SD Card Recording Mode	• Event Analytics • Disconnected with NAS	Continuous
Note	• A Synology microSD card is recommended to ensure optimal compatibility and performance. • For third-party cards, a Class 10 (C10) / UHS-1 (U1) / V10 high-quality microSD card with a minimum write speed of 10 MB/s is recommended.	• A Synology microSD card is recommended to ensure optimal compatibility and performance. • For third-party cards, a Class 10 (C10) / UHS-1 (U1) / V10 high-quality microSD card with a minimum write speed of 10 MB/s is recommended.

Camera Web Interface	Surveillance Station	Surveillance365
Liveview	v	v
Network	• Auto Block • Allow/Block list • Connection Management • Fixed IP/DHCP	• Auto Block • Allow/Block list • Connection Management • Fixed IP/DHCP
System	• Reset • Restart • Manual Firmware Upgrade • DST • Time Zone	• Reset • Restart • Manual Firmware Upgrade • DST • Time Zone
Camera Log Export	v	v
Protocol Support	HTTP, HTTPS, TLS v1.2, TCP/IP, UDP, IPv4, UPnP, RTSP, NTP, DHCP, SSL, RTP, SRTP	HTTP, HTTPS, TLS v1.2, TCP/IP, UDP, IPv4, UPnP, RTSP, NTP, DHCP, SSL, RTP, SRTP
Supported Browsers	Google Chrome	Google Chrome
Supported Language	English, Deutsch, Français, Italiano, Español, Dansk, Norsk, Svenska, Nederlands, Русский, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, Český, ภาษาไทย, 日本語, 한국어, 繁體中文, 简体中文	English, Deutsch, Français, Italiano, Español, Dansk, Norsk, Svenska, Nederlands, Русский, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, Český, ภาษาไทย, 日本語, 한국어, 繁體中文, 简体中文

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