

Datasheet



Camera

CC410W

Synology

Camera

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**
Camera-based AI capabilities for enhanced security
- **Security and Compliance**
Suitable for sensitive applications thanks to US NDAA & TAA compliance

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 multi-platform design enables flexible deployment options to best fit your surveillance needs.

- **Surveillance Station:** Host video locally on your NAS for complete local control¹
- **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.

Hardware Overview

Front



Rear



Side



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

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
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	<ul style="list-style-type: none">• 3DNR• 2DNR

Audio	
Microphone	v
Speaker	v

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	
Power Consumption	3.03 watts

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

Temperature	
Operating Condition	Operating 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, FCC, iDA, IC, JATE, NCC, RCM, TELEC, UKCA, VCCI
Environment	REACH, ROHS, WEE
Waterproof	IP65
Vandal	-
NDA 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	
Main Stream	2560×1440 @ 30 FPS 2304×1296 @ 30 FPS 1920×1080 @ 30 FPS 1280×720 @ 30 FPS
Maximum Bitrate	6144 kbps
Sub Stream	1280×720 @ 30 FPS
Video Format	<ul style="list-style-type: none"> • H.264 • H.265
Bitrate Control	<ul style="list-style-type: none"> • Maximum bitrate • Variable bitrate
Audio Compression	G.711
Audio Denoise	v
Image Adjustment	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Auto • Day • Night • Schedule
Video Orientation	<ul style="list-style-type: none"> • Mirror • Flip • Rotation (0°, 90°, 180°, 270°)

Privacy Mask	<ul style="list-style-type: none"> • Removeable/Unremovable mode • Up to 5 zones
Max RTSP Connections	4

Analytics

Event Analytics	<ul style="list-style-type: none"> • Audio Detection • Tampering Detection • Motion Detection
People & Vehicle	<ul style="list-style-type: none"> • People Detection • Vehicle Detection • Crowd Detection • Loitering Detection
Counting	People and Vehicle Counting
Intrusion	One way or Two way
Instant Search	<ul style="list-style-type: none"> • Motion • Vehicle • People
Auto Tracking	People

Connection

WiFi Protocol	IEEE 802.11 a/b/g/n/ac
Wireless Encryption Protocol	<ul style="list-style-type: none"> • WPA Personal • WPA2 Personal • WPA3 Personal

Security

IP Filter	<ul style="list-style-type: none">• Auto Block• Allow/Block list
Connection Management	v
Firmware Update	<ul style="list-style-type: none">• Automatically update to the important version• Automatically update to the latest version• Manual upload
Signed Firmware	v
HTTPS	v
SRTP	v

Storage Management

Storage	microSD Card & Synology NAS
SD Card Recording Mode	<ul style="list-style-type: none">• Event Analytics• Disconnected with NAS

Camera Web Interface

Liveview	v
Network	<ul style="list-style-type: none">• Auto Block• Allow/Block list• Connection Management• Fixed IP/DHCP
System	<ul style="list-style-type: none">• Reset• Restart• Manual Firmware Upgrade• DST• Time Zone
Camera Log Export	v
Protocol Support	HTTP, HTTPS, TLS v1.2, TCP/IP, UDP, IPv4, UPnP, RTSP, NTP, DHCP, SSL, RTP, SRTP
Supported Browsers	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

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