



Camera

# CC400W



## AI-Powered Wi-Fi Camera for Flexible Installation

The CC400W 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.

## Highlights

- **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
- **IP65 Weather-resistant**  
Fully dust-proof and resistant to low-pressure water jets
- **Integrated 2-way Audio**  
Enables remote conversations and instructions to deter threats and respond immediately
- **Edge AI Detection and Search**  
On-camera People and Vehicle Detection, Intrusion Detection, Counting, Instant Search, and Auto Tracking

## 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
- Smart bitrate control efficiently reduces bandwidth and storage needs while preserving high-quality imaging

## Video intelligence

Camera-based AI capabilities empower your surveillance with smart analytics.

- People and Vehicle Detection distinguishes people and vehicles from other moving objects with high accuracy
- Intrusion Detection smartly alerts when people or vehicles cross a virtual boundary from a designated direction
- Instant Search rapidly and accurately pinpoints activities involving people, vehicles, or motion in a designated area
- Auto Tracking smoothly identifies and follows people in motion, keeping them consistently centered on the screen without needing manual adjustment
- QR Code Reader streamlines workflows and enhances security with access controls

- Supports direct People and Vehicle Counting, monitoring occupancy with aggregated entry and exit counts, and receiving alerts when capacity is reached
- Face Recognition, License Plate Recognition, and People Counting are available when paired with Synology DVA models<sup>1</sup>

## Streamlining and integration

Integration with Surveillance Station streamlines deployment and maintenance.<sup>2</sup>

- Easily add and manage cameras on your network using the DS Cam mobile app
- No Surveillance Device License purchase or activation required
- Automatic firmware upgrades available in batch, with or without internet
- Failover edge storage automatically switches to microSD recording in the event of frame drops or network failure, thereby maintaining recording fidelity and system reliability<sup>3</sup>

## Security and privacy

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

- HTTPS & SRTP support enable encrypted network and video transfer, authentication, and integrity protection
- Privacy masks can be permanently embedded into footage or applied to live view to cover sensitive areas
- The connected device list displays devices associated with each camera, ensuring security by allowing the disconnection or blocking of unrecognized devices
- The camera is NDAA and TAA compliant, meeting US government procurement regulations
- Long-term firmware support from Synology includes security patches and updates

# Hardware Overview

CC400W (Front)



CC400W (Bottom)



CC400W (Side)



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1	Microphone	2	Status Indicator	3	Speaker	4	Reset Button
5	MicroSD Slot	6	Set Screw	7	Mounting Plate and Magnet		

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# Technical Specifications

## Optical

Lens	2.12 mm (125° H, 72° V, 145° D)
Aperture	F2.0
Night vision	10 meters
Maximum AI detection distance	7 meters
Shutter speed	1/16000 s~1/30 s
DORI	D: 45m, O: 18m, R: 9m, I: 4.5m

## Video

Max. streaming resolution	4 MP (2560×1440) @ 30 FPS
Sub streaming capability	1920×1080 @ 15 FPS or 1280×720 @ 30 FPS
Video compression	H.264, H.265
Smart bitrate control	Yes
Frame drop restoration	Yes
Image settings	Brightness, contrast, saturation, sharpness, white balance, High Dynamic Range (HDR), 3D/2D noise reduction, exposure control, 50/60 Hz flicker reduction, day/night mode, overlay, privacy mask
Video Orientation	Rotation (0°, 90°, 180°, 270°), Flip, Mirror
Event analytics <sup>1</sup>	People & Vehicle Detection (including Crowd Detection and Loitering Detection), Intrusion Detection, Motion Detection, Tampering Detection, Audio Detection
Counting	People, Vehicle
Instant Search	People, Vehicle, Motion
Auto Tracking	People
MicroSD card event recording	<ul style="list-style-type: none"><li>• Disconnection from NAS</li><li>• Event analytics<sup>4</sup></li></ul>

## Audio

Microphone	Yes
Speaker	Yes
Environment noise cancellation	Yes
Audio compression	G.711

## Wireless

Wireless standard	IEEE 802.11a/b/g/n/ac
Wireless frequency	2.4 GHz/5 GHz
Wireless security	WPA-PSK/WPA2-PSK/WPA3-PSK

## General Specifications

Dimensions	Ø54 × 110 mm (Ø2.13 × 4.33")
Weight	200 g (0.44 lbs)
Weather resistance	IP65
AC adapter input voltage	100 V to 240 V AC
Power consumption	2.85 W
Edge storage	MicroSD (up to 256 GB <sup>3</sup> )
Operating environment	<ul style="list-style-type: none"><li>• Temperature: -20°C to 40°C (-4°F to 104°F)</li><li>• Relative humidity: 5% to 95% RH (non-condensing)</li></ul>
Storage environment	<ul style="list-style-type: none"><li>• Temperature: -40°C to 60°C (-40°F to 140°F)</li><li>• Relative humidity: 5% to 95% RH (non-condensing)</li></ul>
Security	Connection management, IP filter, HTTPS encryption, SRTP connection, auto block, signed firmware, secure boot
Interface languages	English, Deutsch, Français, Italiano, Español, Dansk, Norsk, Svensk, Nederlands, Русский, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, Český, ภาษาไทย, 日本語, 한국어, 繁體中文, 简体中文

Scan the QR code to download the detailed Product Specification sheet and Synology Camera Tool.



Product Specification sheet

<https://sy.to/camera400dsdcgr>



Synology Camera Tool

<https://sy.to/cc400wcameratool>

Scan the QR code to download DS cam for assistance in camera setting.



iOS

<https://sy.to/dscamios>



Android

<https://sy.to/dscamandroid>

## Environment and Packaging

Certification	IP65, FCC, IC, CE, UKCA, RCM, BSMI, NCC, VCCI, JATE, TELEC, iDA
NDAA compliance	Yes
TAA compliance	Yes
Environmental safety	RoHS, WEEE, REACH
Package contents	<ul style="list-style-type: none"><li>• 1 x CC400W main unit</li><li>• 1 x Quick installation guide</li><li>• 1 x Mounting template sticker</li><li>• 1 x 5V DC power adapter</li><li>• 2 x Screws and anchors</li></ul>
Warranty	2 years

Note: Specifications are subject to change without notice. Please refer to the model's [specifications page](#) for the most up to date information.

1. Face Recognition and License Plate Recognition are available with Synology DVA Series video recorders. [Learn more](#)
2. Please use Surveillance Station version 9.2.0 or higher, and iOS DS cam 5.9.0/Android DS cam 3.10.0 or higher.
3. Feature tested with cards up to 256 GB (formatted in exFAT). Larger cards have not been validated.
4. Please refer to the [Surveillance Station software specifications](#) for detailed event analytics.

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