Chapter 1: Before You Start

Thank you for purchasing this Synology product! Before setting up your new Synology Camera, please check the package contents to verify that you have received the items below. Also, make sure to read the safety instructions carefully to avoid harming yourself or damaging your Synology Camera.

Notes:

- All images below are for illustrative purposes only, and may differ from the actual product.

1.1 Package contents

Contact your reseller if your package is missing any of the below contents:
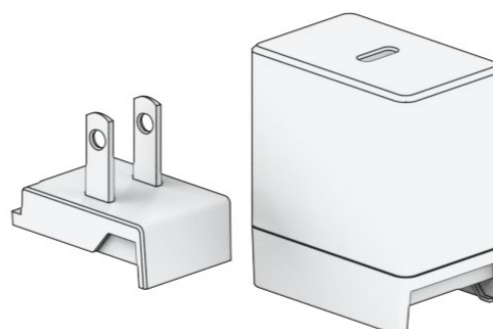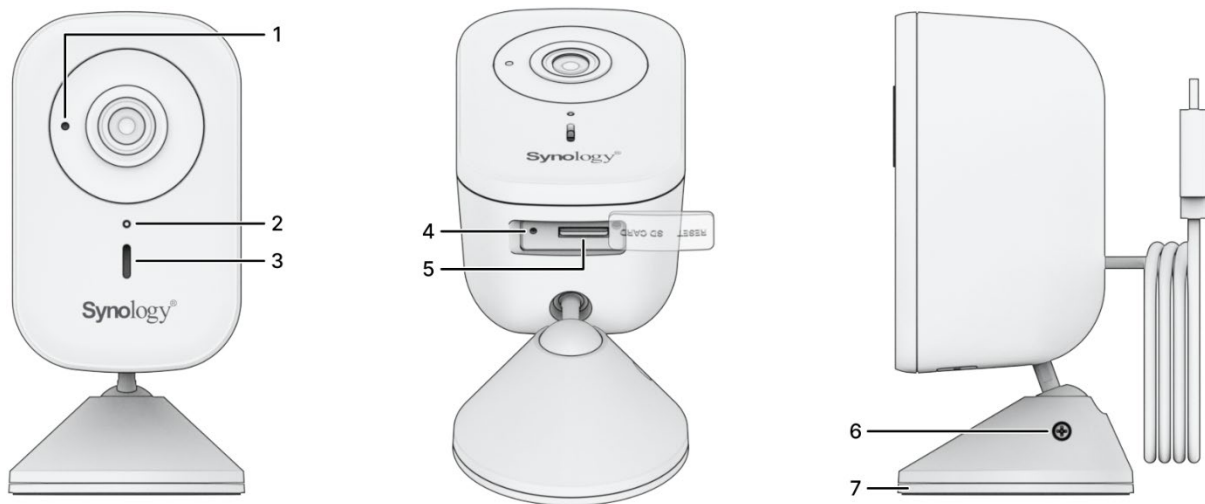
Main unit x 1

Screws x 2

Anchors x 2

DC power adapter x 1

1.2 Synology Camera at a glance

No.	Name	Description
1	Microphone	Built-in microphone for audio input support.
2	Status Indicator	Displays the status of the system. For more information, see "LED Indicator Table".
3	Speaker	Built-in speaker for audio output support.
4	Reset Button	1. Soft reset: Press and hold the reset button for 4 seconds. You will hear "release button to soft reset," indicating the administrator's login credentials and network settings will be reset to default.[1] 2. Hard reset: Press and hold the reset button for 10 seconds.You will hear "release button to hard reset," indicating all settings will be reset to factory default.[2]
5	MicroSD Slot	Supports micro SDXC memory card for edge recording.[3]
6	Set Screw	Tighten the set screw to secure the camera angle.
7	Mounting Plate and Magnet	Mount the camera using screws or the built-in magnet.

Notes:

1. When you do a soft reset on your Synology Camera, the following settings are applied:

- User accounts are restored to default. You will need to re-initialize your camera.

- HTTP/HTTPS/RTSP ports are reset to 80/443/554.

- IP address, DNS, gateway, and other network interfaces are reset to use DHCP. If there is no DHCP server, the camera automatically switches back to its default IP address 192.168.0.50 after 30 seconds.

- Auto Block is restored to default.

- IP address filter is restored to default.

2. The firmware version remains the same after resetting.

3. MicroSD card is sold separately. Please note the following when selecting your microSD card:

- Supported file system: exFAT.

- Cards with capacities of up to 128 GB when formatted as exFAT were tested. Even larger cards may work, but this has not been tested by Synology.

- We recommend using a class 10 (C10)/UHS-1 (U1)/V10 high-quality microSD card with a minimum of 10MB/s write capability.

1.3 LED Indicator table

LED Indicator	Color	Status	Description
Status Indicator	Blue	Static	System is ready and connected to a Synology NAS/NVR
		Slow Blinking	Connected to Wi-Fi, but not connected to a Synology NAS/NVR
		3 rapid flashes followed by a 1-second pause	Not connected to Wi-Fi
		Rapid Blinking	System booting/Rebooting/Resetting
	Off		Powered off

1.4 Hardware specification

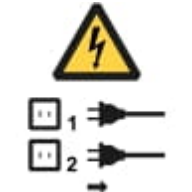| Item	CC400W
Max. Resolution	2560 x 1440 @ 30FPS
Lens	2.12mm (H: 125°, V: 72°, D: 145°)
Aperture	F2.0
Size	Ø54 × 110 mm (Ø2.13 x 4.33")
Weight	200 g (0.44 lbs)
System Requirements	• Surveillance Station version 9.2.0 or above • DS cam: iOS 5.8.0 or above/Android 3.9.0 or above
Weather Resistance	IP65

Agency Certification	• FCC • IC • CE • UKCA • RCM
	• BSMI • NCC • VCCI • JATE • TELEC • iDA
Environment Requirement	• Line voltage: DC 5V/1A
	• Operating Temperature: -4˚F to 104˚F (-20˚C to 40˚C)
	• Storage Temperature: -40˚F to 140˚F (-40˚C to 60˚C)
	• Relative Humidity: 5% to 95% RH

Notes:

● Model specifications are subject to change without notice. Refer to Synology website for the latest information.

1.5 Safety instructions

	● Must be in strict compliance with the electrical safety regulations of the nation and region for using this product.
	● Keep away from direct sunlight and chemicals. Ensure a stable environment with no abrupt changes in temperature or humidity. ● Ensure the camera is in a well-ventilated area to prevent overheating.
	● Before cleaning, unplug the power cord(s) and use a damp cloth to wipe the surface. Do not use chemical aerosol cleaners.
	● To prevent the unit from falling over, do not install the camera on any unstable brackets, walls, surfaces. It may fall and cause serious personal injury or death. ● Prior to installation, ensure the installation environment can support 3 times the weight of camera. ● Do not place other objects on the top of camera.

	● This product must be installed by qualified personnel. ● Do not touch the camera lens directly.
	● Do not apply the power to the camera before completing the installation. ● Make sure the plug is properly connected to the power source.
	● No naked flame sources, such as lighted candles to be placed near to the product. ● To avoid over-heating or fire hazards caused by overload, make sure the power supply equipment (PoE switch, power adapter) is compatible for this product.
	● When setting up this product, use only Synology-provided or designated cables, power cords, PSUs, and power adapters that adhere to local regulations and safety requirements. Ensure the power cord(s) are plugged into the correct power supply voltage and that the AC voltage provided is correct and stable. Failure to do so may result in malfunctions or fires. ● Do not use Synology-provided accessories on non-Synology products.
	● Warning, electric shock hazard. To remove all electrical current from the device, ensure that all power cords are disconnected from the power source.
	● Power cord(s) must be plugged into a socket-outlet with earthing connection.

Chapter 2: Hardware Setup

2.1 Position your Synology Camera

For optimal performance, it is recommended to position your Synology Camera as advised below:

- On a stable surface away from any possible physical interference.
- In a position where lights will not shine directly into the camera's lens.
- Position the camera at a dry and ventilated area.
- Dust, insects, or other stains can block the lens. Keep the lenses clean so that a clear image can be taken.
- Avoid facing the camera directly at reflective surfaces (e.g., mirrors, shiny floors, and ceilings).
- Ensure the mounting surface can securely support the magnet and hold the camera in place.
- Keep the camera within range of the Wi-Fi router or Mesh devices.
- Avoid large expanses of materials that can weaken Wi-Fi signal strength (e.g., thick walls, ceilings, brick, concrete, metal, glass, and mirrors).
- Avoid placing the camera near multiple Wi-Fi networks, devices, or frequencies to prevent Wi-Fi signal interference.

2.2 Set up your Synology Camera

1. There are two installation options for your camera: Magnetic or screws.

○ Option 1: Attach the camera to a magnetic surface.
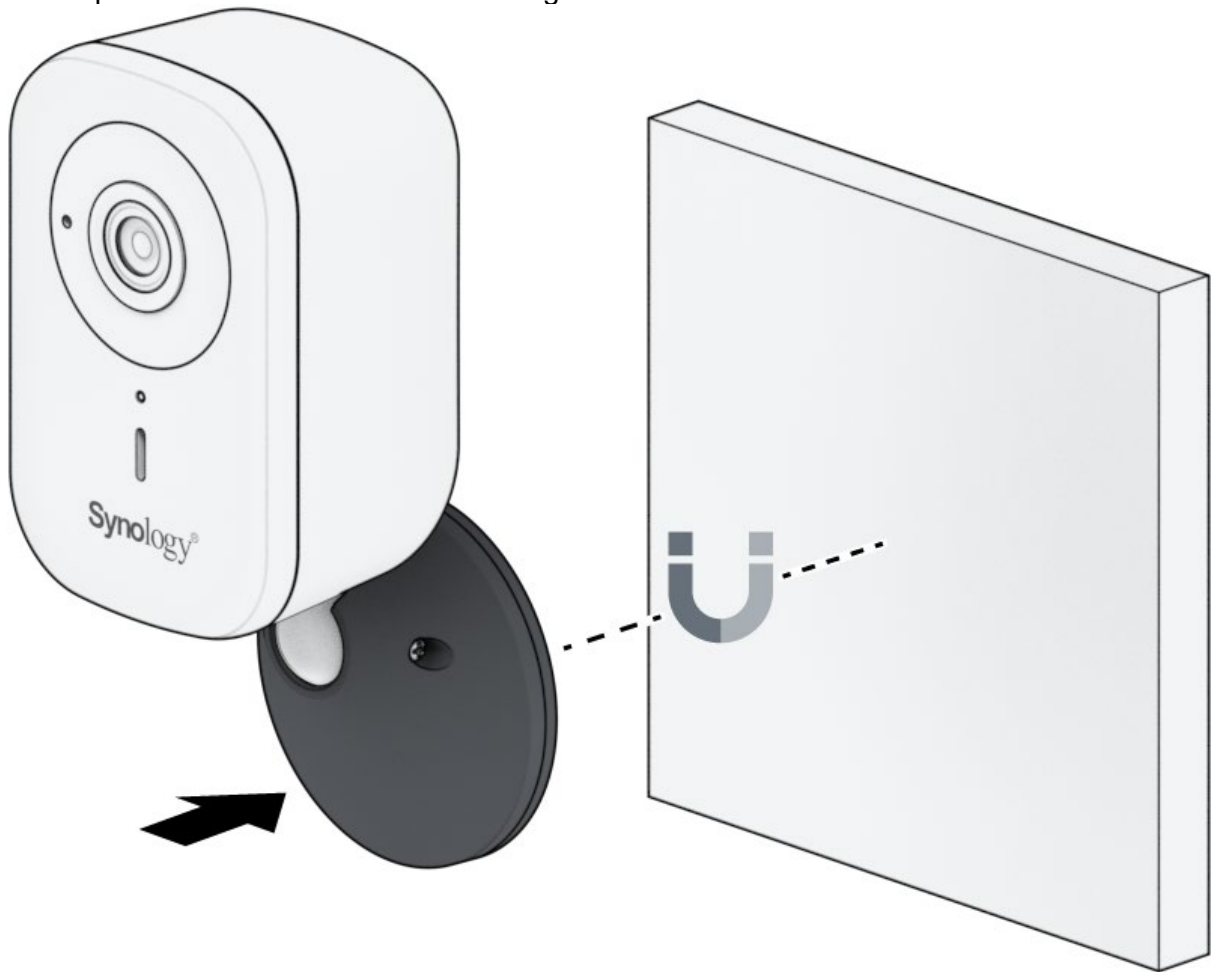
Notes:

● The mounting height for the magnetic installation option should not exceed 2m.

○ Option 2: Use screws to install the camera.

i.   Detach the base from the camera.
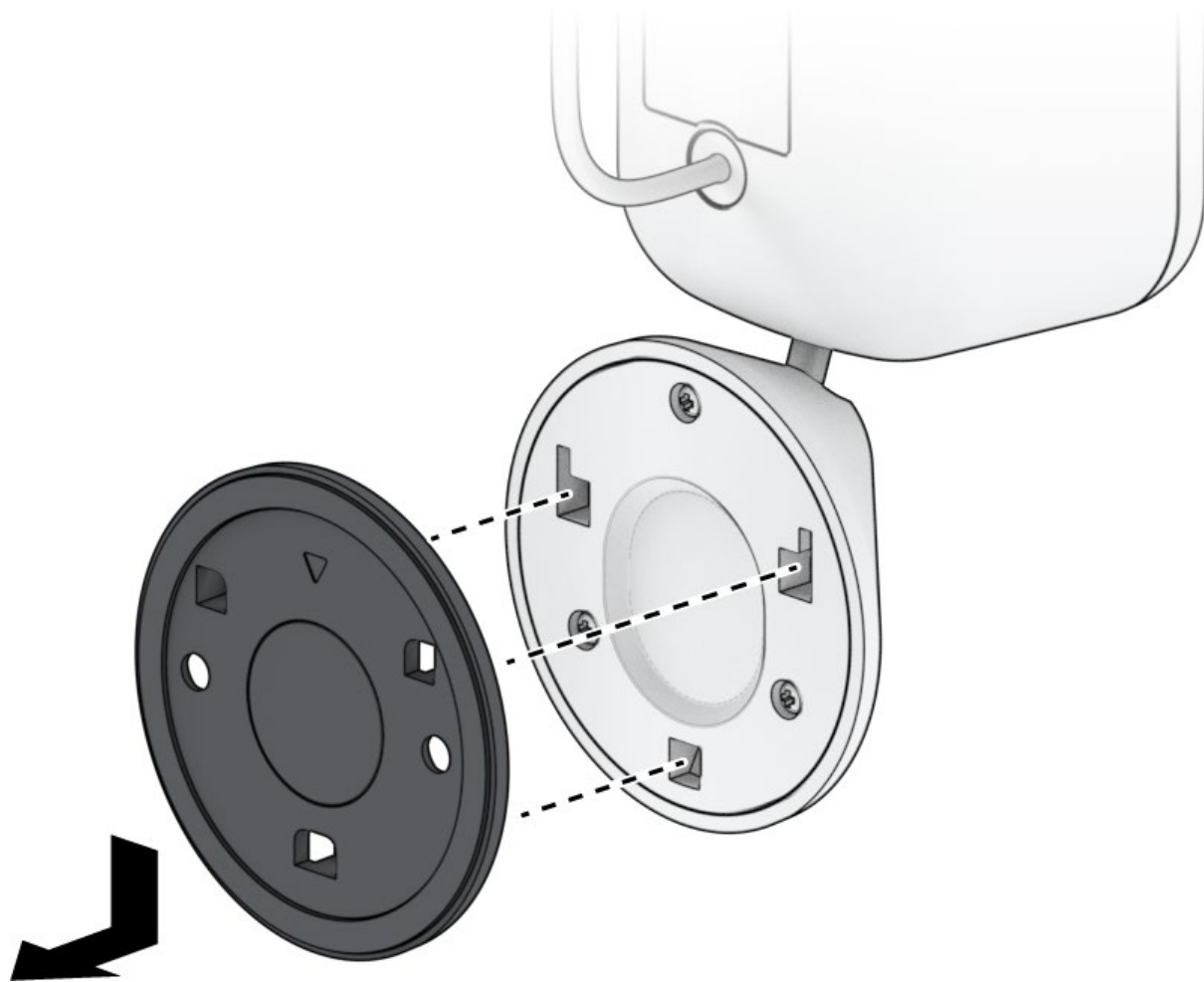
ii.   Place the installation sticker on the surface where the camera will be installed. Drill holes for the screws in the marked locations and hammer in the

wall anchors.
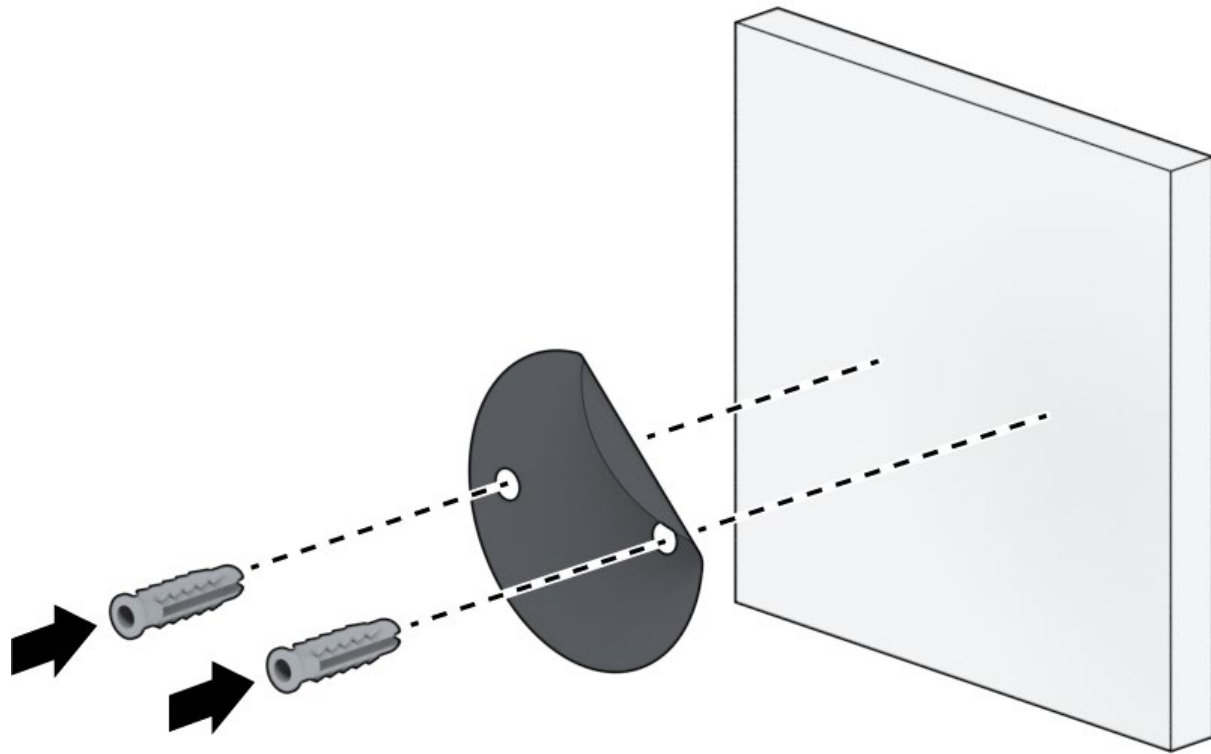
Notes:

● Recommended drilling diameter for the screw/anchor is 6.0mm with a depth greater than 25mm. Recommended drilling diameter for the power cord is bigger than 20mm.

iii.   Screw the base into place onto the installation sticker.
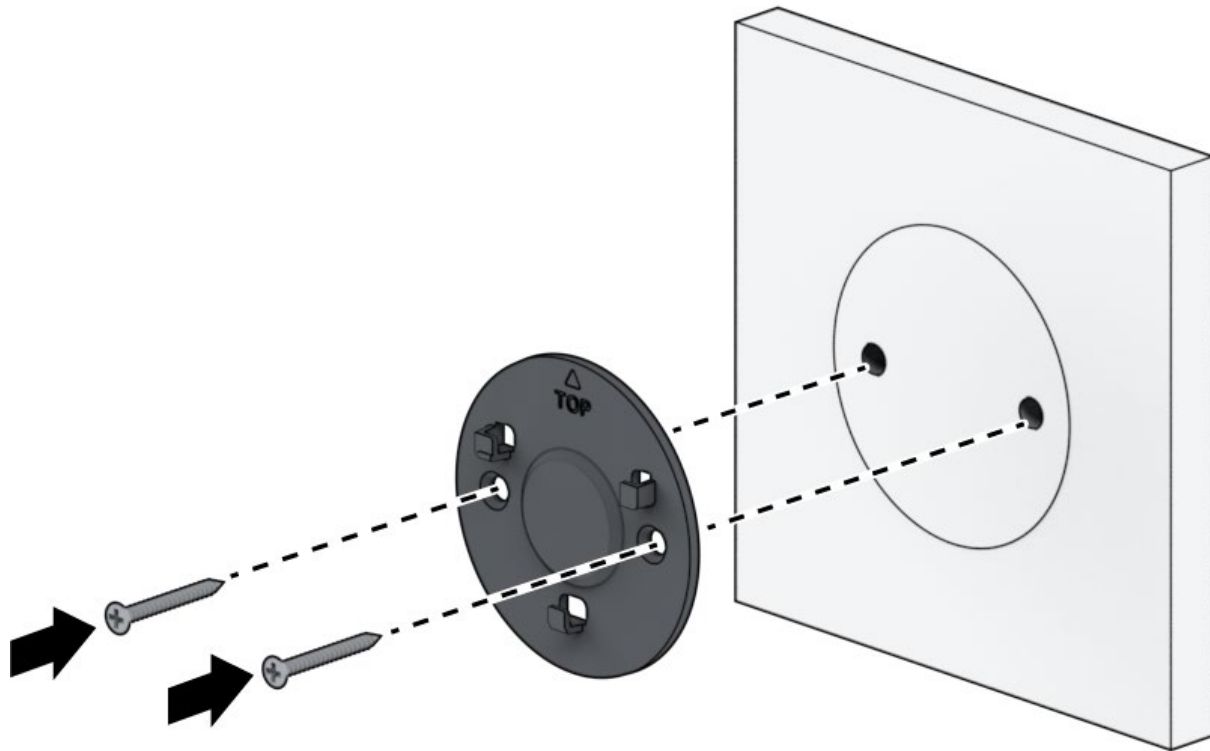
iv.   Align the camera holder with the base and push it downwards until you hear a click, indicating a secure lock. After this, the holder should be

unremovable without separating the camera from the base.
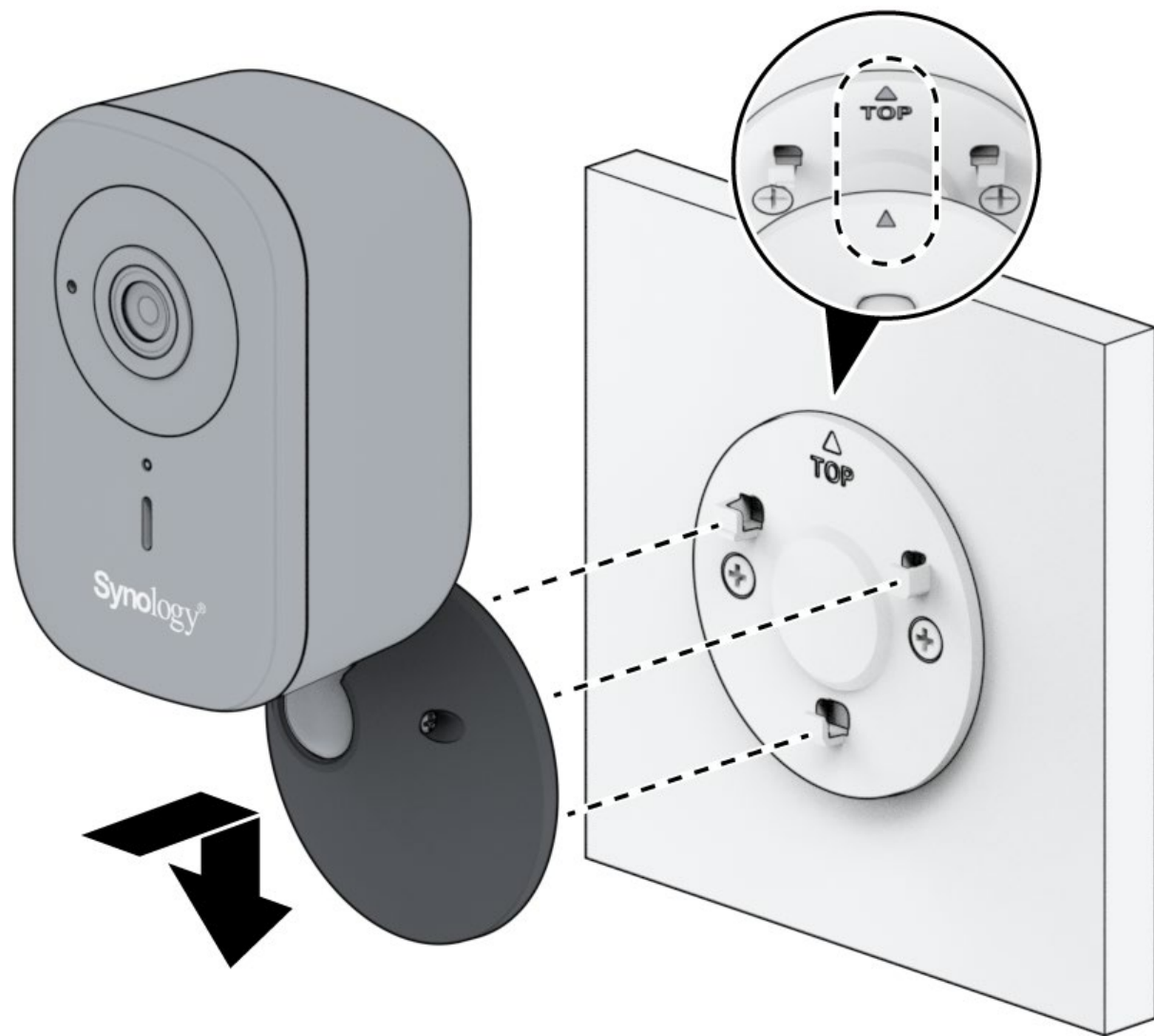
v.   Position the camera to the left, right, up, or down to achieve your preferred viewing angle.

2. Tighten the set screw with a Phillips PH0 screwdriver to secure the camera's position. (Optional)
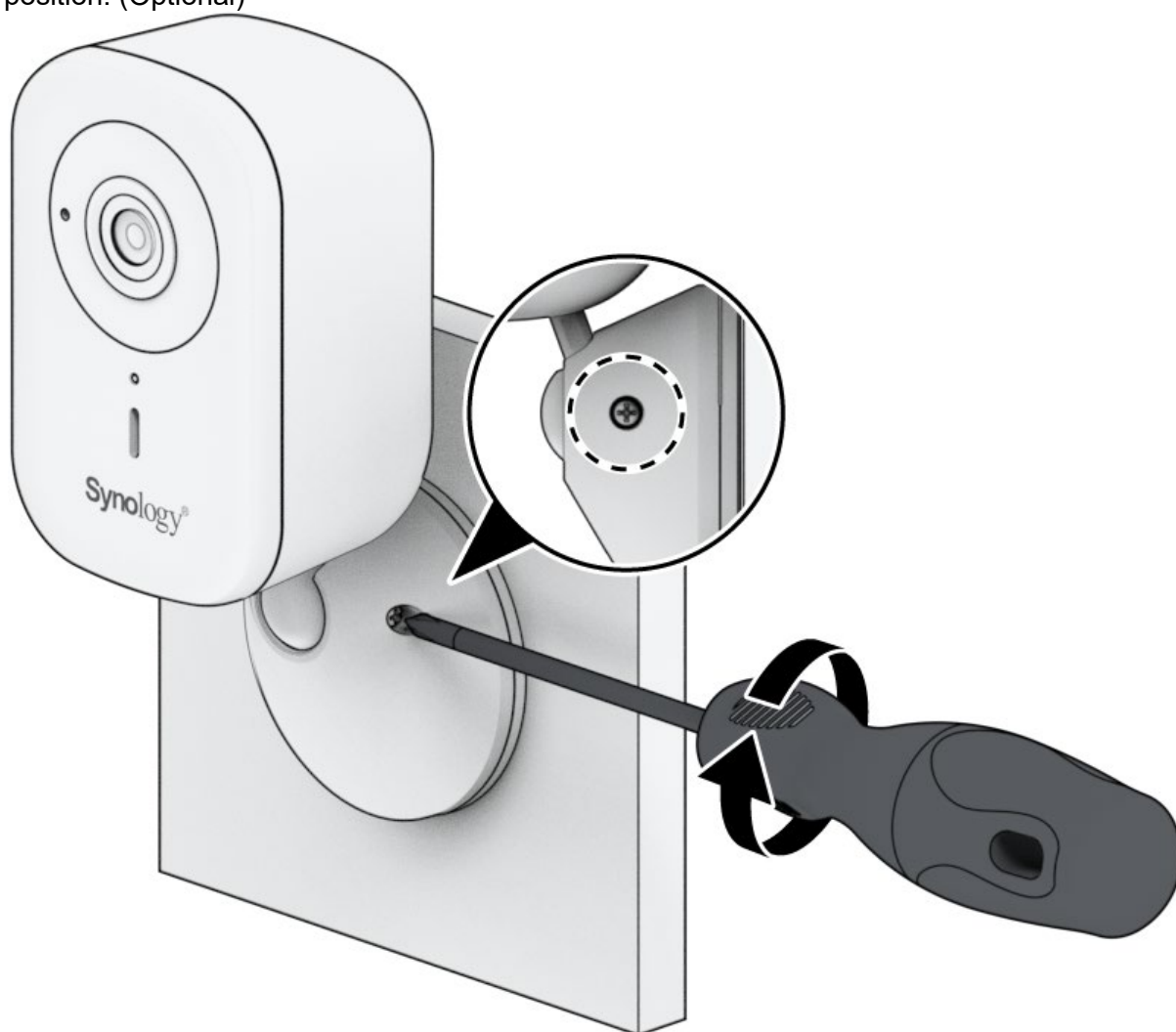
Chapter 3: Wi-Fi Setup and Camera Configuration

1. To power on your CC400W, connect the power cord to the provided DC power adapter and then plug it into the power outlet.
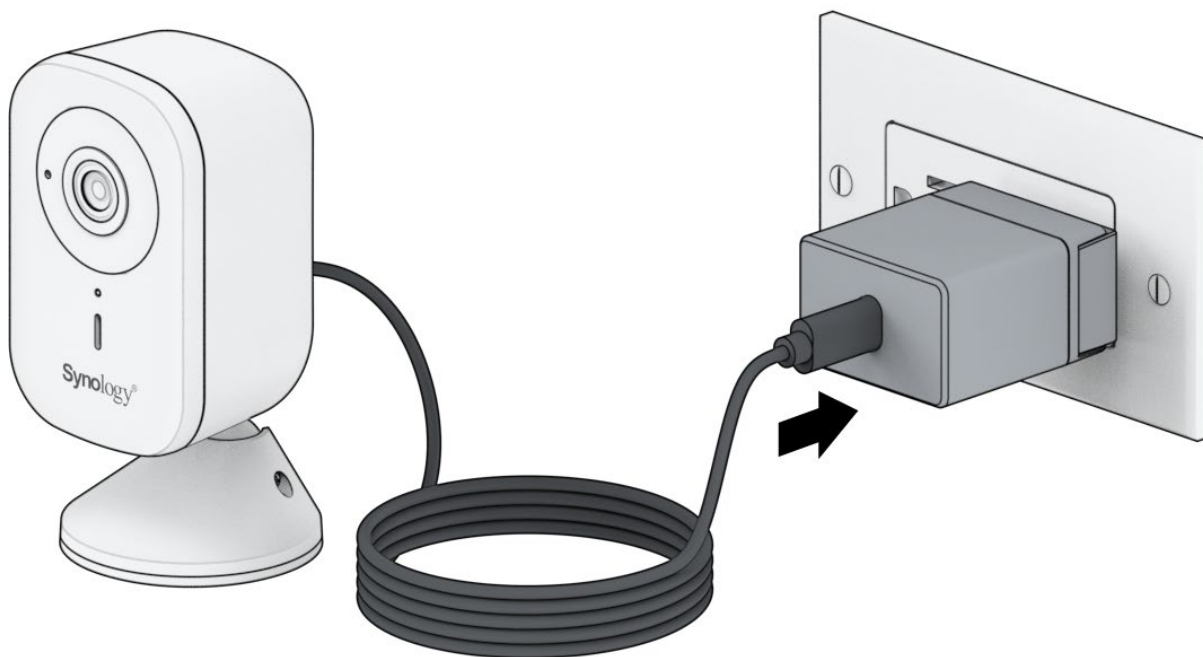
2. Scan the QR Code to download DS cam and sign in to your Synology NAS.

3. A pop-up message will appear when a new CC400W is detected via Bluetooth. Alternatively, go to to the **Cameras** tab, tap the **+** icon, and choose **Wireless Cameras**

to add your CC400W.

Cameras

No cameras

Detect Synology Cameras

4. Choose a Wi-Fi network for your CC400W to connect to. Once the camera successfully connects to the Wi-Fi, you should hear "Connected," and the STATUS indicator will start blinking slowly. Your Synology NAS will then establish a connection

with the camera.

Cancel   **Enter Wi-Fi Info**   Connect

Wi-Fi

Password   👁

DHCP SETTINGS

Use DHCP   ✓

Use static IP

Notes:

● If your CC400W is not displayed on the list, click **"Try another method** > **Generate QR code**." Learn more about [connecting your camera to the network using a QR Code](#).

● If the camera and NAS are on different networks, you will need to set up port forwarding. Learn more about [adding a camera on a different network to Surveillance Station](#).

5. Once your CC400W is connected to your Synology NAS, you can initialize and configure the camera. The STATUS indicator should become stable to indicate a

successful connection.

Initialize 1 new camera

Set up an account and password to initialize your new devices. Setup rules

SET UP ACCOUNT AND PASSWORD

Account   Account

Password   Enter Password   👁

Confirm password   Enter Password   👁

NEW CAMERA

Synology CC400W
DVT1XJRCC4038
10.17.74.116:443

Federal Communication Commission Interference Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct theinterference by one of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Operations in the 5.15-5.25GHz band are restricted to indoor usage only.

This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules.

Radiation Exposure Statement:
1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body or nearby persons..

Note: The country code selection is for non-US model only and is not available to all US model. Per FCC regulation, all WiFi product marketed in US must fixed to US operation channels only.

FCC regulations restrict the operation of this device to indoor use only.

Synology America Headquarters

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Tel: +1 425 818 1587

Industry Canada statement:

This device complies with ISED's licence-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d' ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Caution :

(i) the device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

(ii) where applicable, antenna type(s), antenna models(s), and worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in section 6.2.2.3 shall be clearly indicated.

Avertissement:

Le guide d'utilisation des dispositifs pour réseaux locaux doit inclure des

instructions précises sur les restrictions susmentionnées, notamment :

(i) les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

(ii) lorsqu'il y a lieu, les types d'antennes (s'il y en a plusieurs), les numéros de modèle de l'antenne et les pires angles d'inclinaison nécessaires pour rester conforme à l'exigence de la p.i.r.e. applicable au masque d'élévation, énoncée à la section 6.2.2.3, doivent être clairement indiqués

Radiation Exposure Statement:

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with greater than 20cm between the radiator & your body.

Déclaration d'exposition aux radiations: Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à plus de 20 cm entre le radiateur et votre corps.

RED Compliance Statement

Compliance with 2014/53/EU Radio Equipment Directive (RED)

In accordance with Article 10.8(a) and 10.8(b) of the RED, the following table provides information on the frequency bands used and the maximum RF transmit power of the product for sale in the EU:

Frequency Range (MHz)	Max. Transmit Power (dBm) EIRP	
2412 ~ 2472	19.82	dBm
5180 ~ 5320	22.89	dBm
5500 ~ 5700	22.81	dBm

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

	AT	BE	BG	HR	CY	CZ	DK
	EE	FI	FR	DE	EL	HU	IE
	IT	LV	LT	LU	MT	NL	PL
	PT	RO	SK	SI	ES	SE	UK

This device is restricted to indoor use.

NCC LP0002
1.應避免影響附近雷達系統之操作。
2.高增益指向性天線只得應用於固定式點對點系統。

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

為避免本器材影像畫面遭偷窺或竊取，本器材使用者應先修改預設密碼，並定期更新密碼。

設備名稱：無線攝影機，型號（型式）：CC400W Equipment name / Type designation (Type)						
單元 Unit	限用物質及其化學符號 Restricted substances and its chemical symbols					
	鉛Lead (Pb)	汞Mercury (Hg)	鎘Cadmium (Cd)	六價鉻 Hexavalent chromium (Cr+6)	多溴聯苯 Polybrominated biphenyls (PBB)	多溴二苯醚 Polybrominated diphenyl ethers (PBDE)
前後蓋	○	○	○	○	○	○
印刷電路板及電子組件	—	○	○	○	○	○
電源供應器	—	○	○	○	○	○
鏡頭組	○	○	○	○	○	○

備考1. 〝超出0.1 wt %〞及〝超出0.01 wt %〞係指限用物質之百分比含量超出百分比含量基準值。
Note 1 : "Exceeding 0.1 wt %" and "exceeding 0.01 wt %" indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition.

備考2. 〝○〞係指該項限用物質之百分比含量未超出百分比含量基準值。
Note 2 : "○" indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.

備考3. 〝—〞係指該項限用物質為排除項目。
Note 3 : The "—" indicates that the restricted substance corresponds to the exemption.

報驗義務人：群暉科技股份有限公司
新北市板橋區遠東路 1 號 9 樓