X-SENSE®

Outdoor Wi-Fi Spotlight Camera

Model: S21

User Manual

Email: support@x-sense.com

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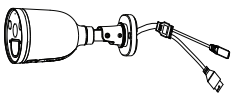
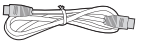
Thank you for purchasing this product! To ensure proper use and trouble-free operation, please read this manual carefully and store it in a safe place for future reference.

Package Contents



1 × Camera

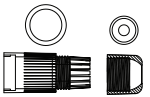


1 × Ethernet Cable

1 × Power Adapter

1 × User Manual

1 × Screws Kit

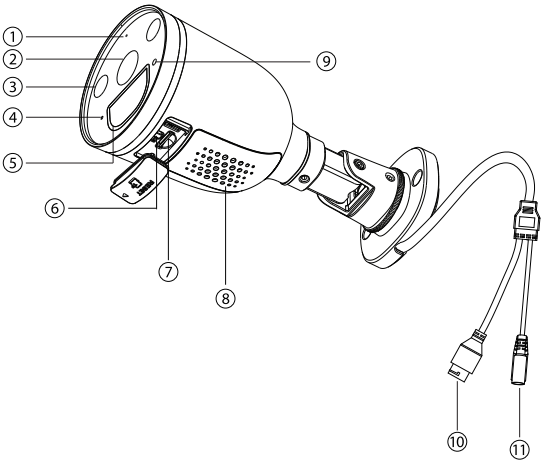


1 × Ethernet Port
Waterproof Kit

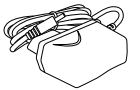
Security Tips

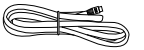
1. Please change the camera's password regularly using a combination of letters, numbers, and special characters.
2. It is recommended that you regularly update your camera to the latest available software and firmware to ensure the best possible experience.

Product Overview



① Microphone
② Lens
③ Spotlight
④ LED Indicator
⑤ Passive Infrared Motion Sensor
⑥ Reset Button
⑦ Micro SD Card Slot
⑧ Speaker
⑨ Light Sensor
⑩ LAN
⑪ Power Cable





WARNING: The cords included with this product are a potential strangulation hazard. For the safety of your children, please keep these cords out of reach from children.

Technical Specifications

Spotlight	White LED	Illuminates up to 32.8 ft (10 m)
	Color Temperature	2,800 K
Image Sensor	Display Resolution	2688 × 1520 (4.0 MP)
Lens	Viewing Angle	Diagonal: 156°, horizontal: 121°, vertical: 61°
Video	Image Frame Rate	Max 25 fps (4.0 MP)
	Resolution	2K (2560 × 1440), 1080p (1920 × 1080), 720p (1280 × 720)
	Night Mode	Manual mode and automatic mode; when the white LED is on, the night vision image is colored.
	Night Visibility	32.8 ft (10 m)
Audio	Input/Output	Built-in mic and speaker that support real-time 2-way communication
	Audio Compression	AAC
	Siren Alarm	Max volume of 110 dB
PIR	PIR Detection	Built-in PIR sensor with a detection angle of up to 90°
Network	Ethernet	One 10/100 Mbps RJ45 port
	Wireless Standard	IEEE 802.11b/g/n/ac
	Wireless Security	WPA, WPA2
	Remote Access	P2P
	Wi-Fi Configuration Mode	Scan QR code and sound wave to add camera
	Network Protocol	IP, TCP, UDP, SMTP, FTP, RTSP
Software Features	Light Control	Manual switch or motion-activated; brightness is adjustable
	Motion/Sound Detection	A push notification will be sent to the phone via the app whenever motion or sound is detected.
	PIR Detection	Built-in PIR sensor that supports sensitivity and range adjustment
	Privacy Block	Yes
	Firewall	Supports IP filtering

	Micro SD Card	Supports maximum 128 GB Micro SD card storage
	Cloud	Supports cloud storage
Product Information	LED Indicator	Red and blue
	Reset	Reset button
	Power Supply	DC 12 V/1 A
	Power Consumption	Max 12 W
	Dimensions	6.7 (L) × 3.0 (D) in (170 (L) × 75 (D) mm)
	Net Weight	0.64 lb (290 g)
Operating Conditions	Waterproof	IP66
	Operating Temperature	-4–140°F (-20–60°C)
	Operating Humidity	20%–85% RH (non-condensing)
	Storage Temperature	-4–140°F (-20–60°C)
	Storage Humidity	0%–90% RH (non-condensing)

App Installation

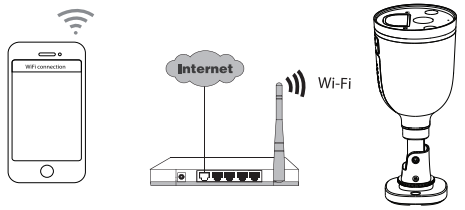
Search for "Xsmartview" in the App Store or Google Play Store, or scan the QR code below to download the app.

Available on the iPhone App Store

ANDROID APP ON Play Store

Setting Up the Router

This device is compatible with 2.4 and 5 GHz Wi-Fi networks. The Wi-Fi password should not include any special characters such as ~!@#$%^&*(). When the device is configured via Wi-Fi, make sure your mobile phone and device are as close to the router as possible, as this can speed up device configuration.



Signing Up

1. Open the Xsmartview App and select "Sign Up."
2. Enter a valid email address and password, then select "Accept Privacy Notices and Terms of Service."
3. Tap "Sign Up." You should receive an activation email. Follow the link to activate your account.
4. Enter your username and password to log into the app.

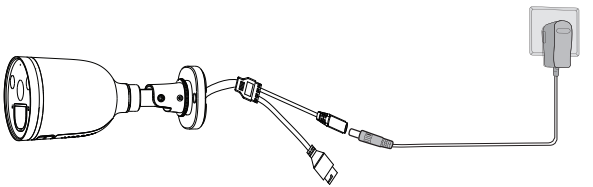
Before connecting the camera:

1. Make sure you know your correct Wi-Fi network name and password.
2. To ensure a smoother video experience on your smartphone, it is recommended that your smartphone meet the following minimum requirements:
   iOS: iOS 11 or higher
   Android: Version 4.1 or higher, and contains a Graphics Processing Unit (GPU)

Note: For the best experience, please make sure the app is updated to the latest version!

Turning On the Camera

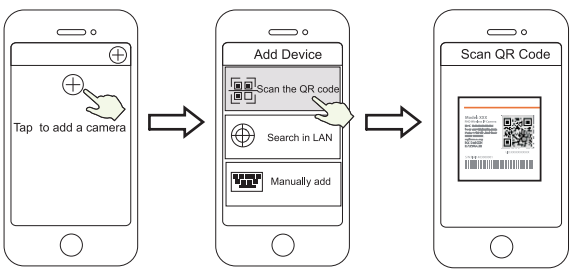
Connect the power adapter to a power source and camera. The camera will automatically turn on, and the LED indicator will turn red. Then, the LED indicator will turn blue, and you will hear a "Hello" prompt. The LED will then flash blue, and the camera will display "Waiting for configuration." The camera is now ready for configuration between the router and smartphone app.



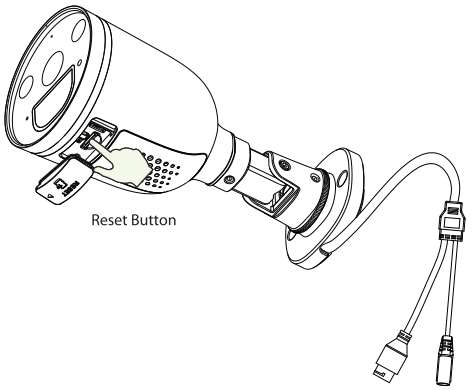
Note: If the camera will not be used for a very long time, it is suggested to unplug it from the power source.

Connecting

1. Tap the "+" icon on the top right corner of the APP Home page or select "Tap to add a camera" to connect your camera. Then, select "Scan the QR code" and scan the QR code printed on the bottom of your camera.

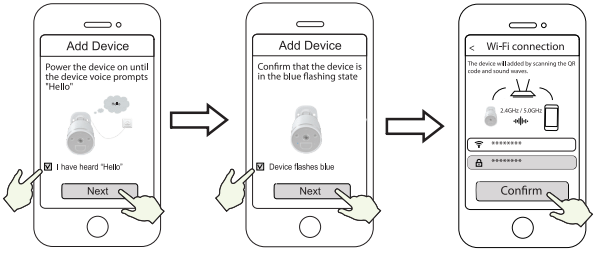


2. Press and hold the Rest button on the camera for more than 10 seconds with the power on until you hear “Reset to factory settings” and “Waiting for configuration.”

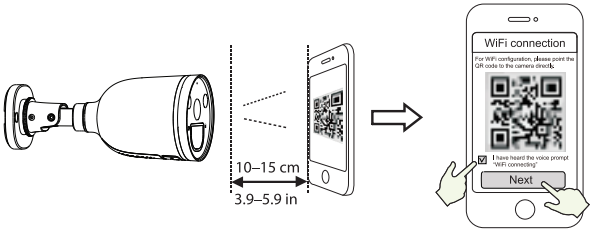


3. In “Add Device,” when you hear “Hello,” select the checkbox and tap “Next.” Confirm that the device is flashing blue, then tap “Next.” Under “Wi-Fi connection,” enter your Wi-Fi password and select “Confirm.” Make sure your smartphone is connected to the same Wi-Fi network as the camera.

Tip: This camera supports dual-band 2.4 and 5 GHz Wi-Fi networks, so you should choose the channel with the stronger signal. For example, choose your SSID: XXXXX_2.4G or XXXXX_5G. Your router SSID and password should not exceed 24 characters.

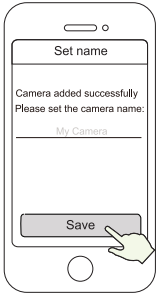


4. Scan the QR code on the smartphone app using the security camera lens. You should hear the prompt “Wi-Fi connecting.” After the prompt, select “I have heard the voice prompt.” Select the checkbox and tap “Next.” You should be able to complete this configuration in about two minutes.



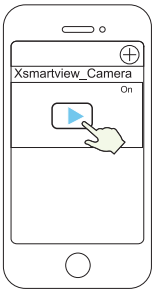
Tip: If the camera cannot scan the QR code, try changing the distance between the lens and QR code, and make sure the code is perpendicular to the camera lens. You can also try increasing your screen brightness.

5. Wait a few seconds until your camera notifies you “Wireless connection succeeded.” At this point, your camera has successfully connected to your Wi-Fi. You can now enter the camera name and select “Save” in the “Set Name” interface.



Note: If the camera fails to connect, reset your camera and try again starting from step 1.

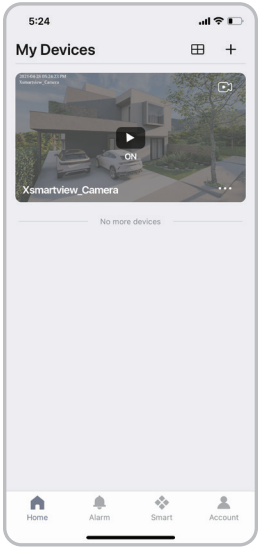
6. Select the play button in the video box, and the app will change to the camera page.

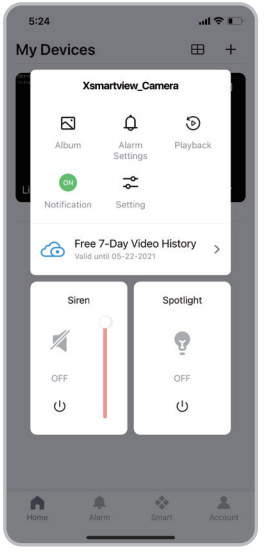


7. After completing the above steps, you can use your camera.

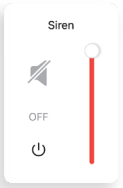
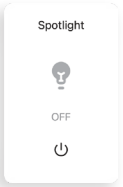
Camera Page Overview

When you open up the Xsmartview App, the device page will display your camera.

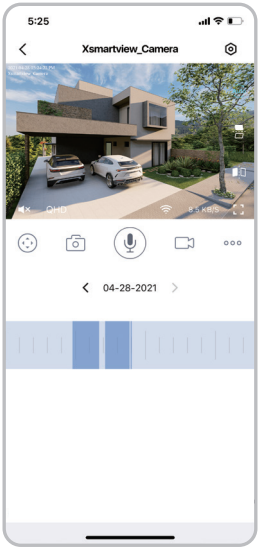




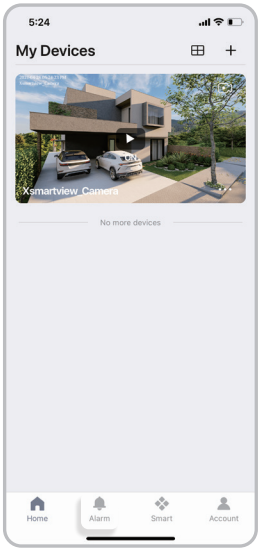
In the camera interface, tap "···" to enter the function interface.

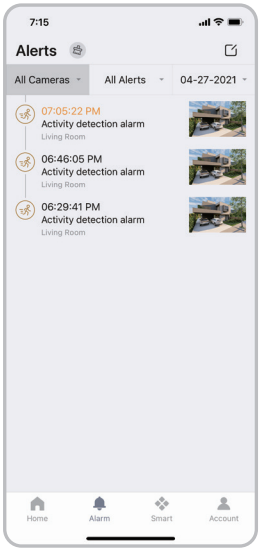
	View cloud history
	Photo and video storage
	Set activity or sound detection
	Replay a video recording
ON	Turn on/off push notifications
	Device settings
	Turn on/off the alarm (volume can be adjusted from 0 to 110 dB)
	Turn the spotlight on/off

After you tap the play button, the page will display as follows:



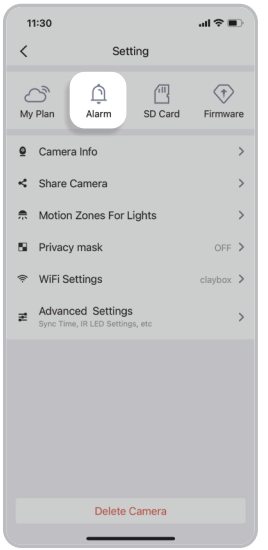
While on the device page, select “Alarm” at the bottom to view the activity detection alerts captured by the camera. Select the photo to view playback.

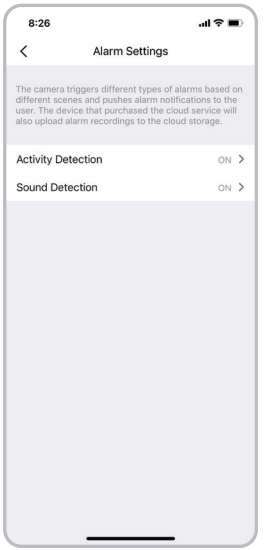




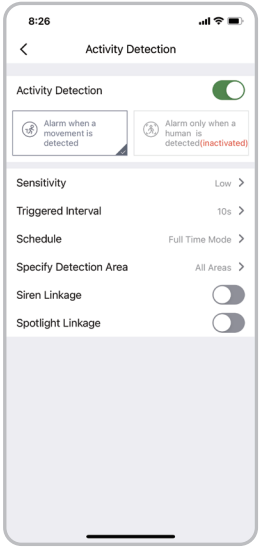
Settings

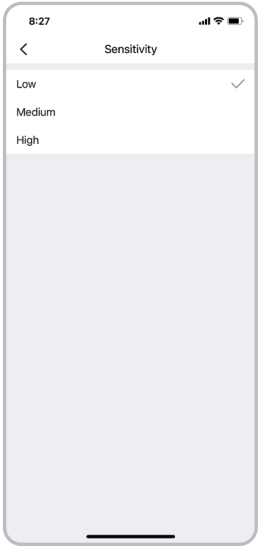
While on the Setting page, select “Alarm” to view the Alarm Settings and set Activity Detection and Sound Detection. The camera will trigger different alarm types based on the detection trigger and push alarm notifications to the user.

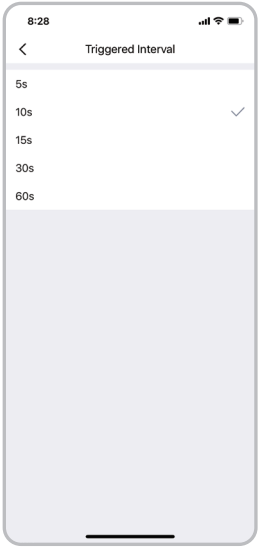


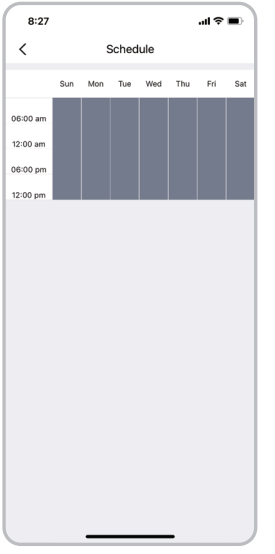


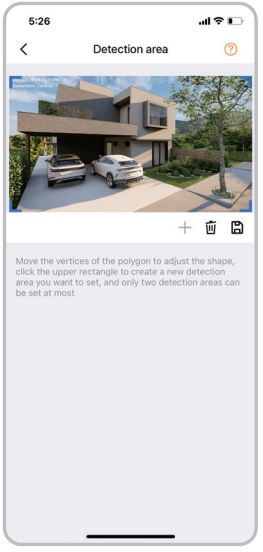
For Activity Detection, you can set the sensitivity level, trigger interval, schedule, and detection area. You can also set a certain period of time to record, or to repeat a set schedule from Sunday to Saturday.



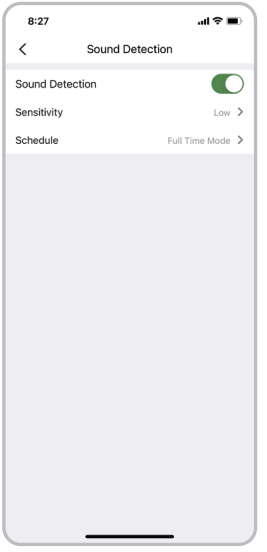


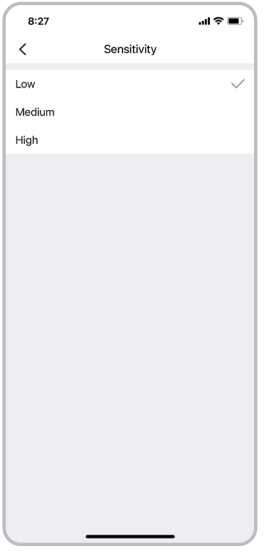


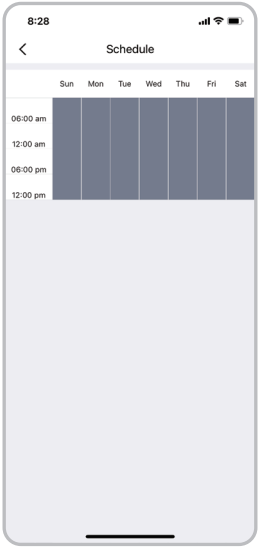




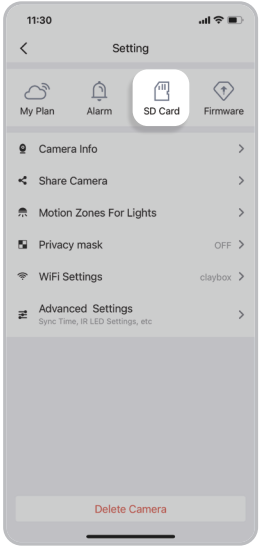
For Sound Detection, you can set the sensitivity level and schedule. You can set a certain period of time to record, or to repeat a set schedule from Sunday to Saturday.

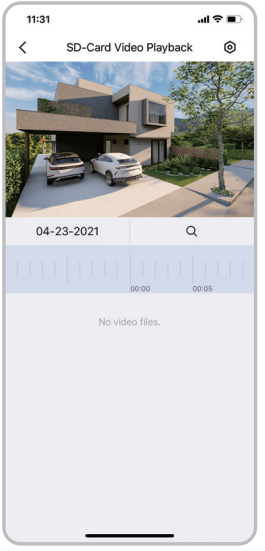




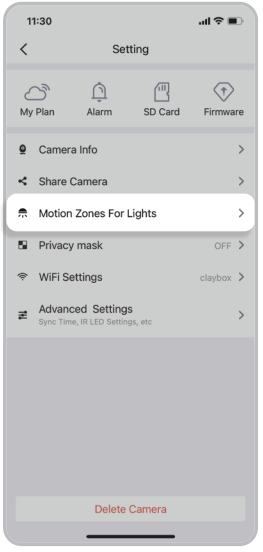


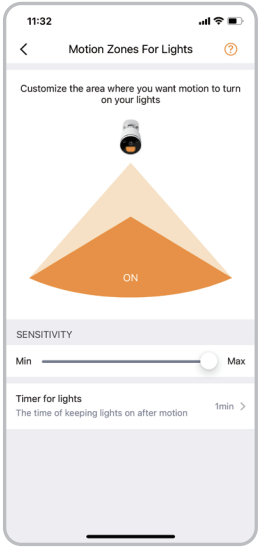
In the Setting Page, select “SD card” to view video playback.

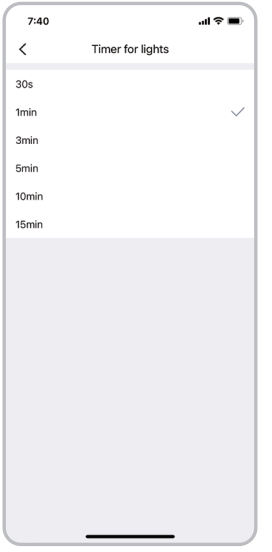




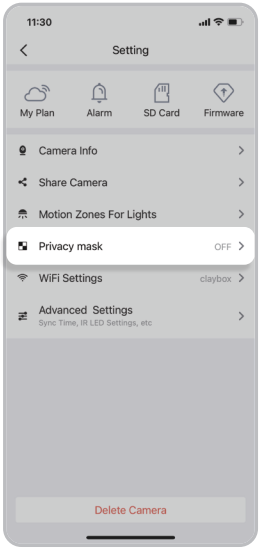
In the Setting page, select “Motion Zones for Lights” to customize the area where you want motion to activate the lights and light timers.



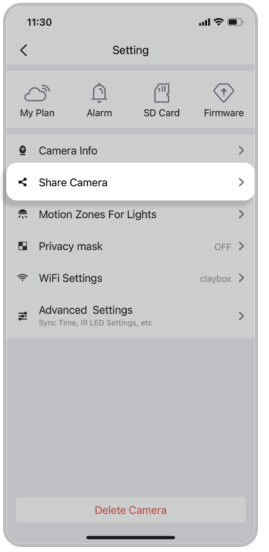


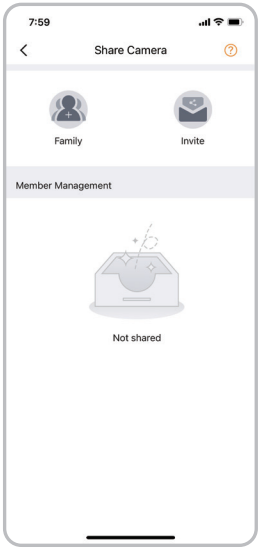


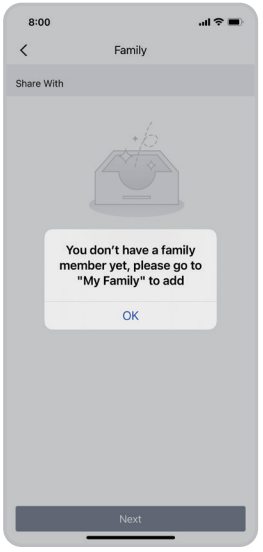
In the Setting page, select “Privacy Mask” to turn on the privacy mask function. Select “+,” and a polygon will appear. Move the vertices of the polygon to create a desired location. You can select “ ” to delete the polygon.

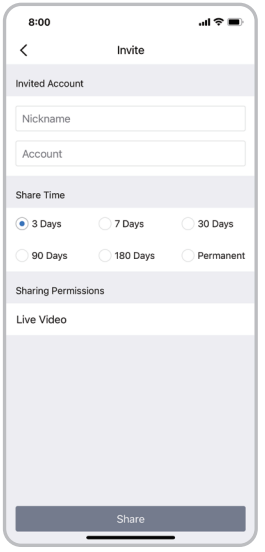


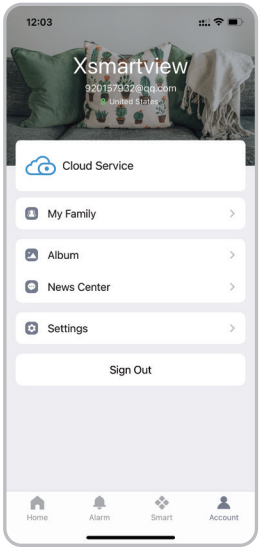
In the Setting page, select “Share Camera” to share the device with your family members and friends. You will need to add family members in “My Family” by the email addresses of their Xsmartview accounts.

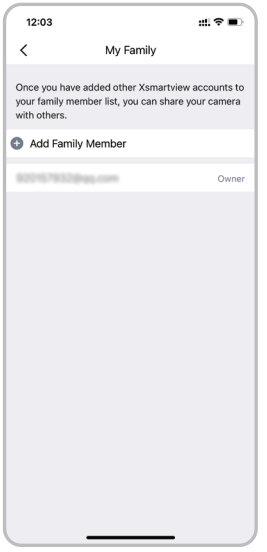




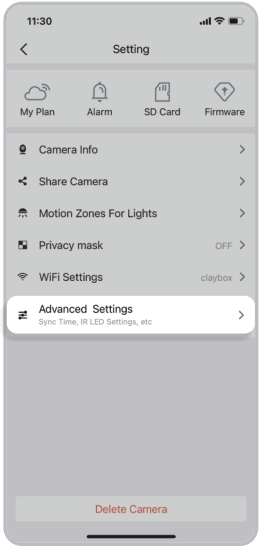

8:00
Family
Share With
You don't have a family member yet, please go to "My Family" to add
OK
Next

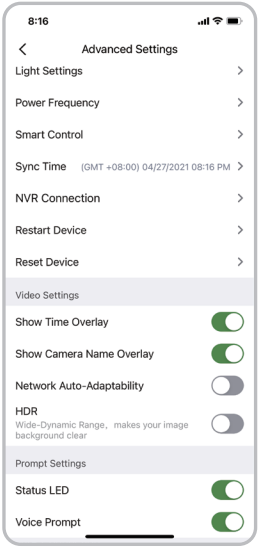

8:00
Invite
Invited Account
Nickname
Account
Share Time
3 Days
7 Days
30 Days
90 Days
180 Days
Permanent
Sharing Permissions
Live Video
Share

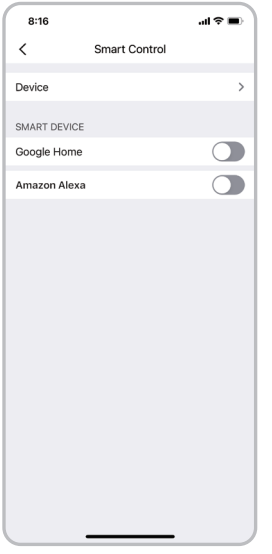

12:03
Xsmartview
United States
Cloud Service
My Family
Album
News Center
Settings
Sign Out
Home
Alarm
Smart
Account


12:03
My Family
Once you have added other Xsmartview accounts to your family member list, you can share your camera with others.
Add Family Member
Owner

In the Setting page, select Advanced Settings >> Smart Control to connect your Google Home and Amazon Alexa devices.







Installation Instructions

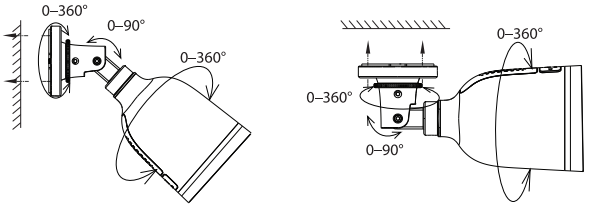
To reduce false alarms:

- Do not install the camera pointed towards bright lights, including direct sunlight, bright lamps, streetlights, etc.
- Do not install the camera in areas that experience a lot of vehicular traffic.
- Keep the device away from outlets, including air vents, humidifier outlets, heat transfer vents, etc.
- Do not install the camera in areas with strong winds.
- Do not install the camera facing a mirror.
- Keep the camera at least 3.3 ft (1 m) away from any wireless devices, including Wi-Fi routers, phones, etc., to avoid wireless interference.

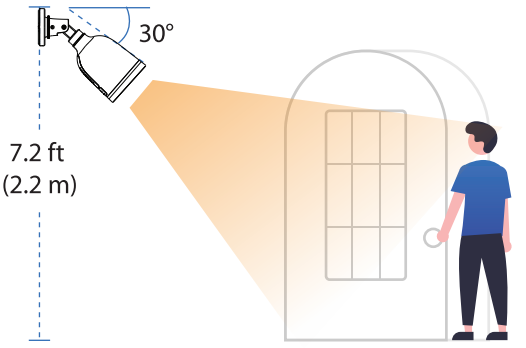
Safety Tips

1. Ensure that the proper power supply is used with this camera.
2. Install the camera securely using the provided screws.
3. Only use this product within its temperature range. When the ambient temperature becomes too low or too high, it may cause the product to fail.
4. To avoid risk of fire or electrical shock, keep the camera connectors in a cool, dry place.
5. Keep the camera out of reach from small children.
6. This product is not a toy. Children should only use this product under adult supervision.
7. Check the camera log frequently. Cameras have embedded logs in them that tell you what IP addresses are accessing the camera.

Camera Installation



1. Point the camera at the desired location and mount it using the provided screws.
2. For the best product performance, we suggest installing the camera 7.2 ft (2.2 m) above the ground with a downward angle of 30°.



Note: Ensure that rain and water does not contact the connector ports at the end of the pig tail wiring, as these connectors are not weather-resistant.

Warranty

X-Sense provides their customers with a 30-day refund policy, a 12-month warranty, and lifetime technical support. For any after-sales questions, please contact at support@x-sense.com, and we will help you as soon as possible.

www.x-sense.com

Environmental Protection

Waste electrical products should not be disposed of as regular household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice.