WISENET

SmartCam+

Android

English

Now, you can directly monitor your SmartCam D1 with your mobile device, using the SmartCam application.

Download the application from the PlayStore and install it on your mobile device.

❖ Application keywords: "**Wisenet SmartCam**", "**Wisenet**", "**Wisenet SmartCam+**", "**SmartCam+**"

1. Mobile device specifications

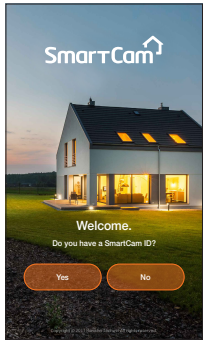
Hardware / Operating System	Specifications
OS	- Android 5.0 or higher
CPU	- 2.5GHz or higher
RAM	- 2GB or higher
Network	- Mobile devices with a Wi-Fi or 3G/LTE wireless communication function
Video codec	- H.264
Recommended smartphone	- Galaxy S6/S7/S8
Recommended tablet PC	- Galaxy Note 10.1

■ Some functions may not work properly depending on the manufacturer of the mobile device.

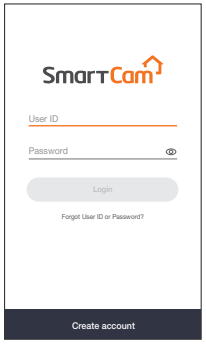
2. Subscription and registration of SmartCam D1

1. Launch the Wisenet SmartCam+ application after downloading it.

2. A pop-up window will be displayed, asking you to indicate whether you have a SmartCam account or not.



3-1. If you press <**Yes**>, it will move to the login page.

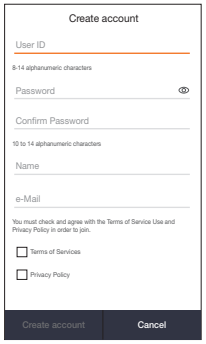


3-2. If you press <**No**>, it will move to the sign-up page.

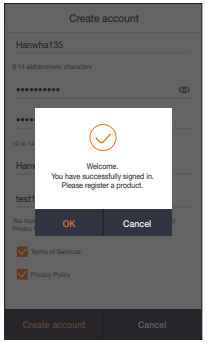
4. Enter member information.

■ Your email address is used to look up your user ID or password. Be careful not to forget it.

5. After reading the terms and conditions, press the <**Create account**> button.



6. When the member subscription window pops up, press the <**OK**> button.

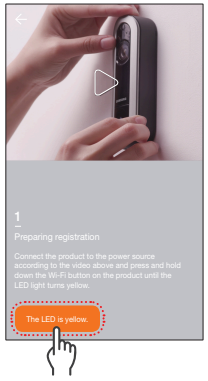


Register using a wireless device

- For a product that has been registered and used, press <**Register a product in use**> and follow the directions.

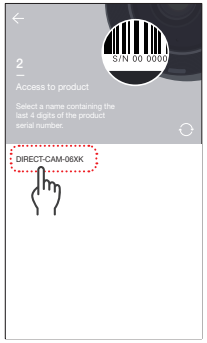
7. Press <**Doorbell**>.

8. Press and hold the Wi-Fi button until the LED turns yellow.



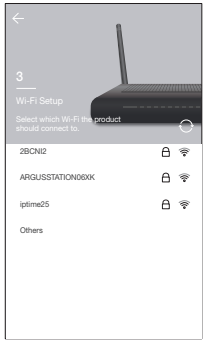
9. Press <**DIRECT-CAM-******> that has been searched.

- Select the name containing the last 4 digits of the product's serial #.



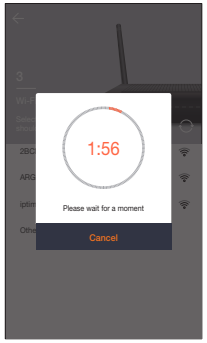
10. Select your home Wi-Fi network and enter the password.

- : After a password is entered and verified, it is connected to the wireless router.
- : It is connected to the wireless router without any password.
- Others : This is used when no router to connect with the SmartCam D1 has been found, or when a hidden SSID is connected.

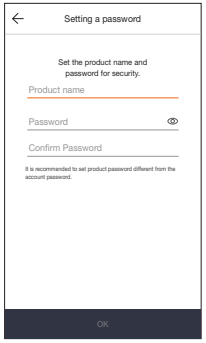


11. Connection of the SmartCam D1 to the router is made.

- When the SmartCam D1 LED is blinking, it is searching for a wireless router.
  When the SmartCam D1 is connected to the router, the LED illuminates in blue; when the SmartCam D1 is connected to the server, the LED illuminates in green.

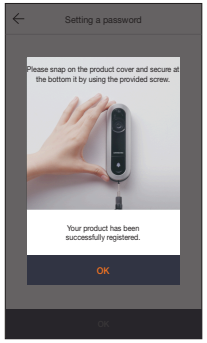


12. Enter <**Name**> and <**Password**> and then press <**OK**>.



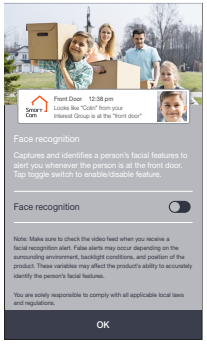
13. Press <**OK**> to complete the registration.

- Depending on the smartphone default settings, the SmartCam D1 may not be registered.
  If this is the case, please check the Help and try again.

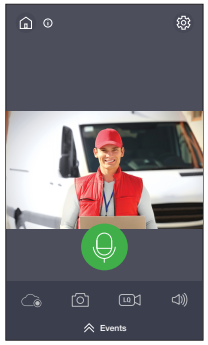


14. Activate it to use the Face Recognition function. When someone is at the gate, it recognizes the person based on his/her face, saves the image to the Cloud server and sends a push notification.

- The face recognition function may not be available depending on the Privacy Policy in the country in which you live.
- If buildings or natural background features such as trees appear similar to faces, they may be misrecognized as a human face.

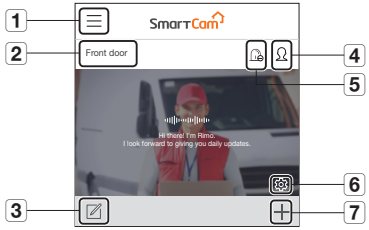


15. Congratulations!
Settings are complete. Now, you can view the SmartCam D1 Live.



3. Summary on main screen

Main screen

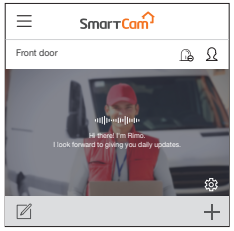


Number	Description
1 Menu	If this icon is selected, the menu screen will appear.
2 Camera Name	Display the doorbell name.
3 Camera List Editor	Edit (Delete) Cameras.
4 Face Recognition	Register the faces of friends or family members as favorite faces. If a favorite face is detected, it may send an alarm or enable two-way communication.
5 Do not Disturb	No events except doorbell push notifications will be notified to users for a certain period.
6 Camera Setup	Setting doorbells is available.
7 Add Camera	Register any camera additionally.

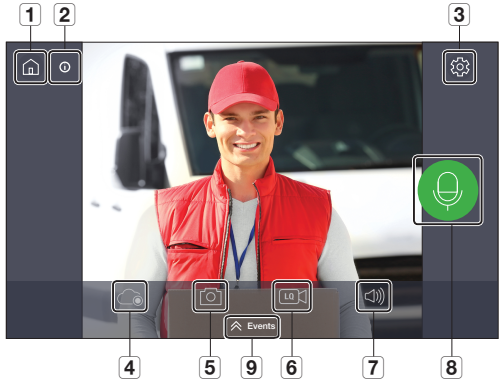
4. Monitoring

1. Press the camera to be monitored on the main screen.

■ Download time may vary depending on the policies or network connection conditions of your network provider.



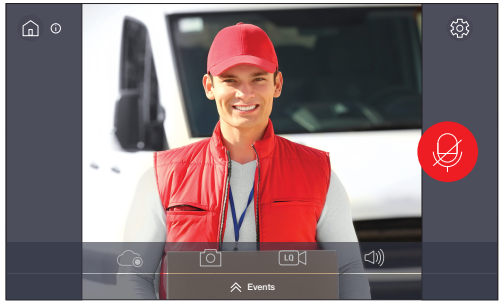
Live Video



Number	Description
1 Home	Tap to exit out of the current live feed and return to the main page.
2 Information	Provides descriptions of icon functions.
3 Settings	Set up each camera.
4 Manual Recording (Cloud)	Records video for 30 sec. when enabled.
5 Capture	Saves images captured from a live video.

Number	Description
6 Select image quality	Shows the quality of the currently connected video. Press it to change to a different quality level. ■ It is possible to select high/medium/low video quality. Refer to the camera product manual for resolution, frame rate and recommended bandwidth for each quality level. ■ It may be possible to connect the video in Relay Mode depending on the wireless network speed, the smartphone performance, and the Internet service provider's policy. For more details, refer to "Relay Mode".
7 Speaker	Adjust the SmartCam D1 speaker volume.
8 Two-way Audio	A microphone is activated to enable a two-way audio function between doorbell and smartphone. ■ For more details, refer to "Two-way Audio".
9 Event	Checks events in the timeline.

Bidirectional Audio



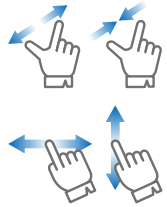
1. If the Two-way Audio [ ] icon is pressed, it will be changed to a [ ] icon during the conversation.
2. Talk into the smartphone microphone.

■ When multiple users access the same camera, the bidirectional audio is controlled by the first accessing user.

■ Audio is not supported in Relay Mode. For more details, refer to "Relay Mode".

■ If you cannot hear any sound, check the volume control.

Zoom function control



You can also zoom in by stretching the image on the screen using two fingers. To zoom out, pinch on the screen.
Drag on the screen in any direction to reveal hidden parts of the image that could not seen due to the screen magnification.

■ The zoom magnification ratio is displayed in the Digital Zoom Box of the upper right screen. Up to 4 is supported.

Relay Mode

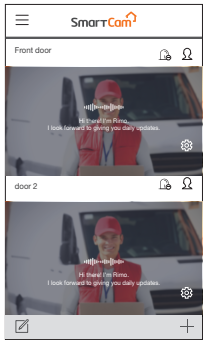
If the network conditions are poor or unstable, a function is provided that enables you to watch video in Relay Mode. When connected in relay mode, the video play time will be limited to 7 minutes and audio and high-quality images are not supported in order to ensure a smoother image quality.

■ When UPnP of the router is not set, the connection may operate in Relay Mode. The setup method may different depending on the router model used. Please refer to the router user manual.

■ When the SmartCam D1 is connected to a duplicately installed router or when the wired/wireless network is unstable, the connection may operate in Relay Mode.

5. SmartCam D1 List

1. Move up and down on the main screen of the product to be monitored.

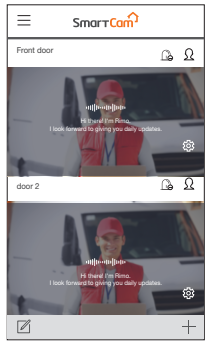


SmartCam D1 Registration and Deletion

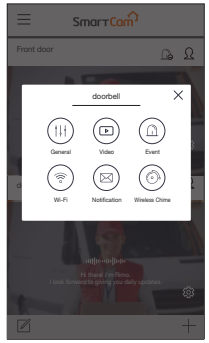
1. To register the camera, press the [+] icon.
   Go to the camera registration step.
2. Press the [ ] icon to delete a registered camera.
3. Press the [ ] icon.

6. SmartCam D1 Setup

1. Press the [ ] icon on the main screen of the camera to be monitored.

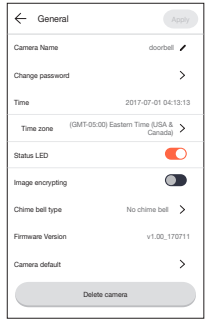


2. Moves to the setup menu.



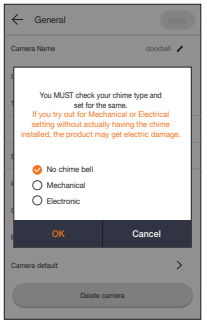
General

1. Press <**General ( )**>.
2. Configures the default SmartCam D1 settings.
   - Camera name : Use a SmartCam D1 name to easily identify the SmartCam D1.
   - Change password : The previous SmartCam D1 password is changed.
   - Time : Current time of the SmartCam D1 is set.



   - Timezone : Current region is selected.
   - Daylight Saving Time : If you live in a Daylight Savings Time zone, select this option.
   - Status LED : You can turn SmartCam D1 LEDs On/Off.
   - Image encrypting : Encrypts transmitted video.
   - Chime bell type : Select the chime type used with the SmartCam D1.

■ Chime type MUST match the actual chime used. Selecting a Mechanical or Electrical without actually having that type installed may damage the SmartCam D1.



   - Firmware Version : You can check the current version and the latest distributed version and even make updates.

■ When there is new firmware available, a window pops open while a camera is selected from the camera list, and you can proceed with the camera firmware update.

   - Camera default : Initializes the doorbell to its default settings except for the network settings, which will remain the same.

■ Even though the doorbell is reset, the face information saved in the server will be maintained.

   - Delete camera : Press to delete a registered SmartCam D1.

3. Press <**Apply**>.

■ During the SmartCam D1 initialization, data stored in the smartphone is not deleted.

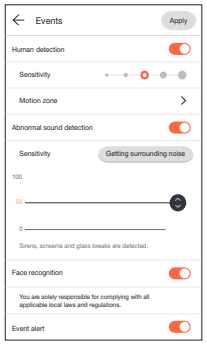
Video Setup

1. Press <**Video** ( )>.
2. Configures the SmartCam D1 video settings.

Number	Description
1 **Night Vision**	Sets IR Night Vision. Enable <**Night Vision**> so that the camera can switch automatically to night vision mode.
2 **Date Display**	The date and time are displayed on the live screen.
3 **Brightness Adjustment**	Screen image brightness can be adjusted.
4 **Flip/mirror**	Video image direction is inverted up and down or left and right.
5 **WDR**	Compensates bright area by darkening it, and dark area by brightening it.
6 **LDC**	Enables/Disables image distortion compensation.

Event Setup

1. Press <**Event** >.
2. Configures various events.



- Human detection : Detects humans identified in the screen.
  - Sensitivity : The higher the sensitivity, the higher the probability of event occurrence.
    If an alarm does not occur when there is a human, set the sensitivity higher.
    If false alarms occur, reduce the sensitivity if possible.
  - Motion zone : Human is detected only in a certain area.
- Abnormal sound detection : It detects three sounds (siren, scream and glass breaking sound) separately, and sends push notifications to the user.
  - Capture surrounding noise : The camera detects ambient noise for five seconds and marks it in a graph. If it is an unusually noisy or quiet environment, adjust the base level of the graph to adjust for abnormal sound sensitivity.
  - Sensitivity : Sound higher than a base level is detected as an event. If the event you want is not detected, lower the base level.
    If false alarms occur, increase the base level.
- Face recognition: This recognizes and saves the characteristics of a human face, and sends a notification when a visitor approaches.
- Event alert : When an event is detected, a notification is sent.
  - Human detection/Abnormal sound detection/Interested faces : When an event is detected, a notification is sent.
  - Bell notification : Sends a notification when the bell is ringing.

3. Press <**Apply**>.

Motion zone setup

1. Press <**Motion Zone**>.
2. Move to the motion zone mode.
3. Draw boxes in areas of interest within the SmartCam D1's view.
   - Up to 3 motion zones can be set.
4. Tap <**Apply**> when done.
   - Human is detected only in the setting area.
   - The motion zone function works only when human detection is activated. Activate human detection in <**Setup**> - <**Event Setup**>.

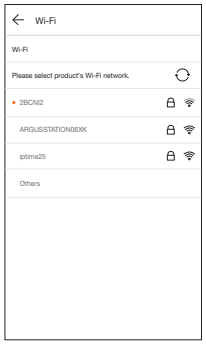
If you want to delete a selected region, press <**Delete All**> and then press <**Apply**>.
If you want to exit from motion zone setup mode, press the < > icon.

- If a human zone is deleted while human detection is activated, human are detected in every zone.

- Motion zone is supported only in lateral mode.

Wi-Fi Setup

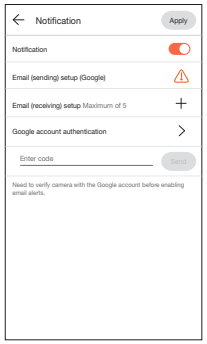
1. Press <**Wi-Fi (**)>.
   A list of the wireless routers that can be detected by the product is displayed.
2. The wireless router connected to the SmartCam D1 can be changed.



- If there are many obstacles such as walls (materials and number of obstacles), or the location of installation is too far from the router (e.g. installed on the first floor and the router is on the second floor or basement level), then receiving video may be difficult due to the weak Wi-Fi signal.
  Change the location of the product and/or the router, and increase its sensitivity for better use.
- If the doorbell is connected to power, the internal battery is charged. This enables it to be used for a while even if the power line is disconnected. Check the receiving sensitivity and video receiving status by moving the doorbell closer to the router.
- If you cannot move the router, then install a WiFi Extender, replace the router with a higher performance WiFi router, or ask the internet service provider to increase the speed.
- As a WiFi Extender will increase the WiFi signal reach distance, it is better to install it near to the router. If it is far from the router, the signal cannot be received consistently.

Notification Setup

1. Press <**Notification (**)>.
2. Tap the toggle to enable/disable e-mail notifications.
3. Configures a transmission email account that will be used to send Push notifications.
4. Press [+] to enter the e-mail address(es) for receiving notifications of detected events.
5. Press <**Google Account Certification**> to receive a certification code from the email account.

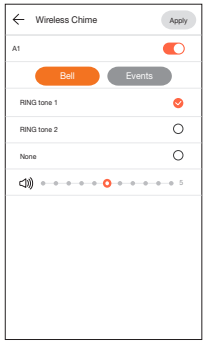


6. After you copy the certification code and paste it into the code input box, press <**Send**>.
7. Press <**Apply**>.

- You can add up to 5 e-mail addresses.

Wireless Chime Setup

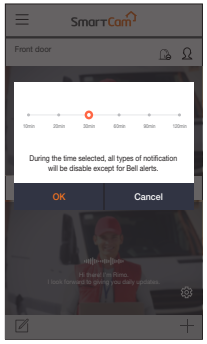
1. Press <**Wireless Chime (**)>.
2. Connect any compatible SmartCam model to set up a wireless chime bell through the camera.
3. Select a chime bell sound for the doorbell.



7. Do not Disturb

All alarms will be disabled for a certain period of time, with the exception of the bell alarm.

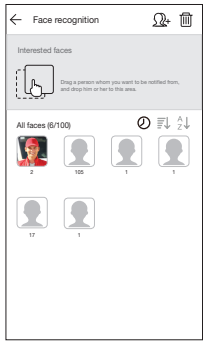
1. Press the [ ] icon on the main screen.
2. Select time by dragging.
3. Press <**Apply**>.



8. Face Recognition

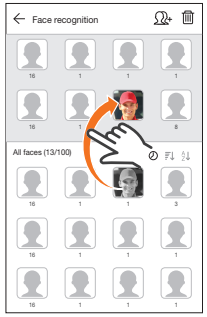
All faces

If the SmartCam D1 recognizes faces surrounding the gate, it will automatically save and display their images on the app.
The number displayed below each face picture indicates the number of detections. Up to 100 face pictures can be saved. After that, the older pictures will be overwritten.



Interested faces

1. Drag the faces of people you want to receive notifications about to the Favorite faces.
2. If any faces in the Favorite group are detected, a push notification will be sent to your device, and face clip will display the push notification until you check the message.

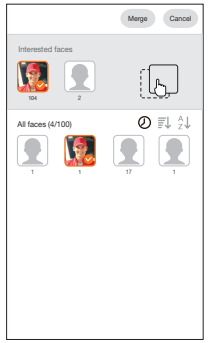


Merging faces

"**Merge**" allows for more accurate face recognition.

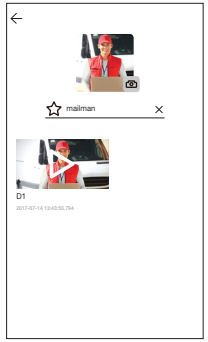
1. Press [ ] icon.
2. Select the face(s) you want to save and then press <**Merge**>.
3. Press <**Apply**>.

- Face recognition is not available in Illinois, US.
- Recommend the use of face recognition as additional information when an image shows for detected events.



Name settings and check recorded video

1. Press a face.
2. Designate a name and check the recorded video where the selected faces have been detected.



Deleting faces

1. Press [ ] icon.
2. Press <**Delete**> after selecting a face to be deleted.
3. Press <**Apply**>.

9. Playback

SmartCloud Features

Our cloud service include the in-app features and the following below. These features are only available with a SmartCloud paid subscription plan.

- Event Recording
- 30 sec. Manual Recording
- Export videos to your phone

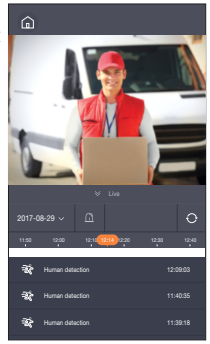
Free 15-day SmartCloud trial are available for first time subscribers only. For more information about SmartCloud subscription plans, visit http://mysmartcamcloud.com.

Event Playback

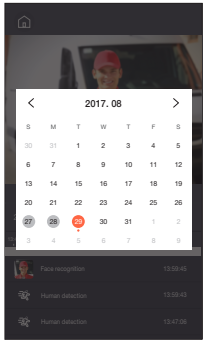
Of the videos that have been saved to the SmartCloud, you can see videos that have been recorded due to event occurrences.

1. Press "Events" at the bottom of the live screen to access the Event Playback screen.

- Event playback is available only for the Owner's account.
  Check the Smartcam account with which the camera was initially registered.

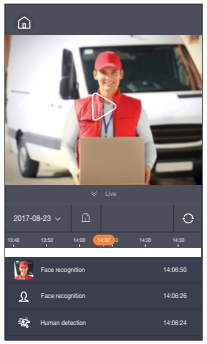


2. If Date is pressed, the saved event date will be displayed on the calendar.
Touch the [< , >] icon on both ends of the calendar's year/ month indicator to navigate to the previous/next month.

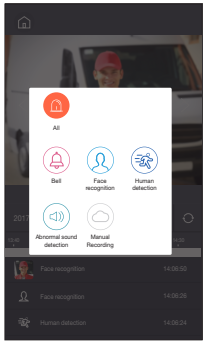


3. Select a date to search.

4. A time zone that contains events is displayed on the timeline.

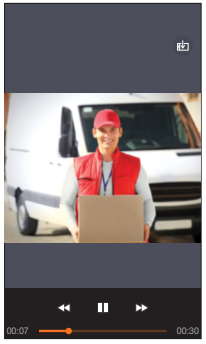


5. Press the [ ] icon and select event types that you want to search.



- You can only select event types from the event list when there are saved event types.

6. Select an event from the searched event list.
Video data will be played.

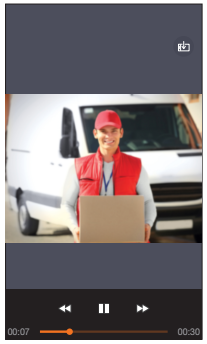


- ▷/ [] : Play back or pause the video.
- Video playback : The video in the specific period is played by dragging the timeline.

- Smoothness of playback may depend on the wireless network speed, the smartphone performance, or the Internet service provider's policy.
- Playback of a recorded video cannot be requested by two persons at the same time.
- Depending on the network environment, the playback function may not be supported.

Playback video download

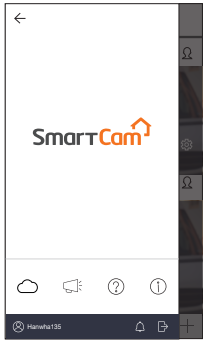
1. Video can be downloaded while the recorded video is played.
2. Push the [ ] icon.
Video recorded at the chosen time is downloaded.
3. Downloaded video is stored on the smartphone.



- Downloading may be impossible when the network is unstable or multiple users are attempting access.
- If a video download is not completed within 10 minutes, it will fail.
- The video download section is up to 30 seconds, and may vary depending on the storage condition.

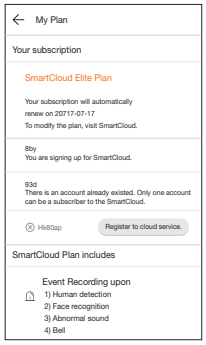
10. Menu

1. Push the [☰] icon on the main screen.
2. Move to the menu screen.



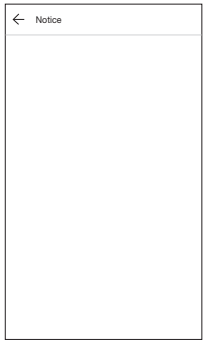
My Plan

Push the [☁] icon.
You can check the expiry date of the SmartCloud and products being used.



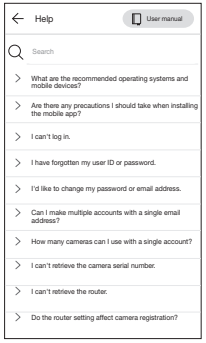
Notice

Push the [📢] icon.
You can find notices on SmartCam.



Help

Press the [?] icon.
You can find Q&A on SmartCam.
Download and refer to the user manual.

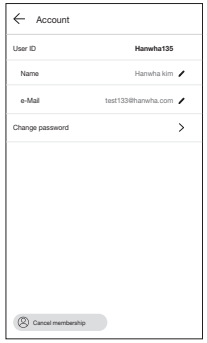


Software information

Push the [ⓘ] icon.
You can check the information of the current software version.

Information

Push the [👤] icon.
You can modify your account information or cancel your membership.

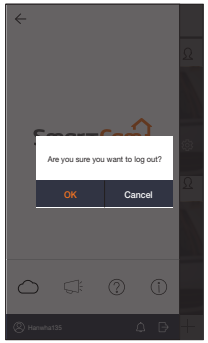


Alarm Setup

If you push the [🔔] icon, you can turn off the smartphone push alarm.

- When it is turned ON/OFF, the event set to the camera will remain.

Logout

1. Push the [⎋] icon.
2. Press <**OK**>.

- If you move using Go Back, you are not logged out and the App is terminated.