

# SmartCam

Android

English

With SmartCam app, you can monitor what matters to you directly from your smart phone.

Download the application from the Play Store and install it on your smart phone.

❖ Search keywords for the application: "Samsung SmartCam", "Smartcam", "Samsung techwin", "Techwin".

## 1. Smart phone requirements

Hardware / Operating System	Requirements
OS	- Android 2.3.3/4.0/4.1/4.2/4.3
CPU	- 1GHz or higher
RAM	- 128MB or more (recommended), RAM : 50MB (Minimum)
Network	- Wi-Fi or 3G/LTE wireless communication- enabled smart phone
Video Codec	- H.264
Recommended Smart Phones	- Galaxy S3/S4
Recommended Tablet PC	- Galaxy Note 10.1

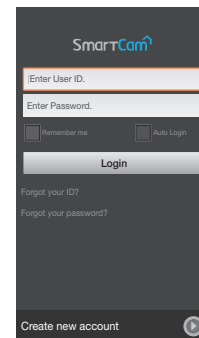
- ! ■ If you use 3G or 4G(LTE) data communication, excessive amount of fees can be billed and may cause data delays or loss. Wi-Fi is recommended.

## 2. Subscription

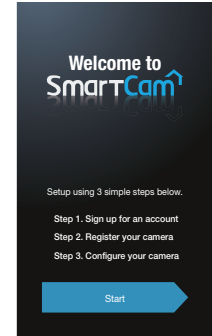
1. Run the downloaded application.



2. Tap <Create new account>.



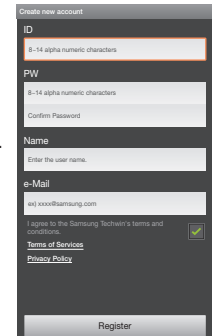
3. Tap <Start>.



4. Enter requested information.

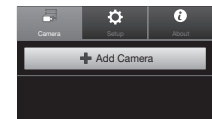
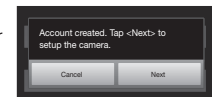
- ✎ ■ Email address is used to find the account password.

5. Check "Agree to the terms and conditions", and tap <Register>.



6. Tap <Next> when the menu on the completion of a new member registration pops up.

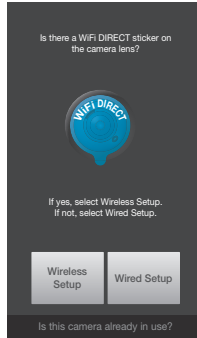
- ✎ ■ Tap <Add Camera> after logging in if you are already a member.



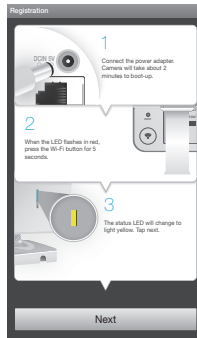
## Wi-Fi Direct connection

- You can only use it in a camera that has a Wi-Fi Direct sticker attached to it.
- Press the button, "**Is this camera already in use?**" when you register a camera being used in another account, in order to register it immediately without setting it.

### 7. Tap <Wireless Setup>.



- ### 8. Tap <Next> after connecting a camera according to the instructions displayed on the screen.





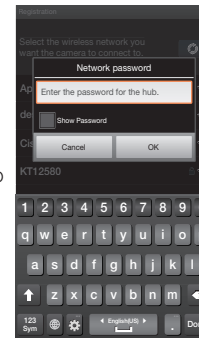
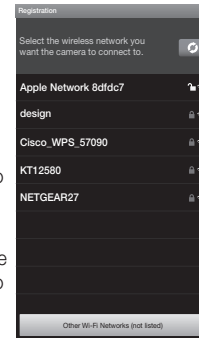
- ### 9. After selecting a camera to connect, tap <Next>.

- Select a camera that has the last four digits of the serial number on the back of the product. (Ex: smartcam\_XXXX or DIRECT-XXXX)

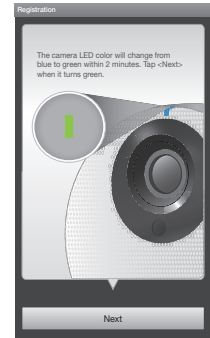


- ### 10. Select a wireless hub connected to your camera.

-  : After entering the password, connect to a wireless hub.
-  : Without the password, you will not be connected to a wireless hub.
- Other Wi-Fi Networks (not listed) : Enter the SSID name and password to connect to the network. If selected, it shows guide on SSID and networking procedures.
- Network password : If you select a wireless hub with the password, then the pop up window will prompt you to enter the password. Click <Show Password> to check your password.

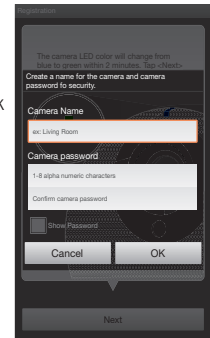


- ### 11. The LED of the camera will turn into green if a camera is connected to Wi-Fi. Tap <Next>.

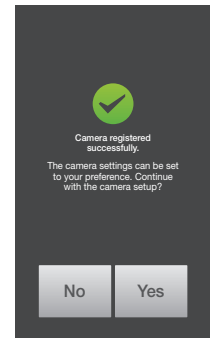


- ### 12. Enter <Camera Name> and <Camera password> and then click <OK>.

- Click <Show Password> to check your password.

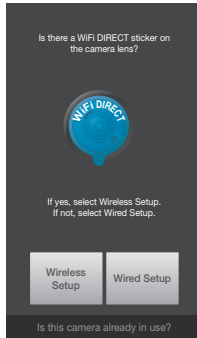


- ### 13. The camera registration is completed. Select <Yes> for a camera setting. Select <No> to view a live screen.

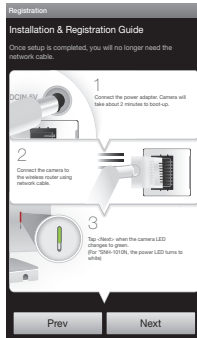


## Cable connection

7. Tap <Wired Setup>.

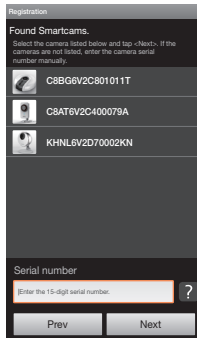


8. Tap <Next> after connecting a camera according to the instructions displayed on the screen.



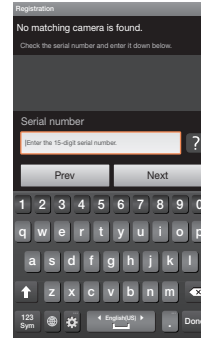
9. Select the camera found and tap <Next>.

- When your smartphone is connected to the same Wi-Fi network as the camera, it will automatically search for the camera.



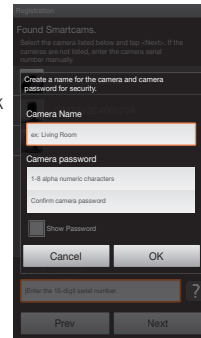
10. If the camera is not detected, please enter the camera serial number manually.

- For camera's serial number location, refer to [?].

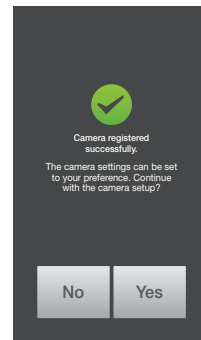


11. Enter <Camera Name> and <Camera password> and then click <OK>.

- Click <Show Password> to check your password.



12. The camera registration is completed. Select <Yes> for a camera setting. Select <No> to view a live screen.



## 3. Camera List

### Camera Move

1. Move to the <Camera> item. From the listed active cameras, tap the desired camera's [ ] on the right.

- You cannot monitor an inactive camera.



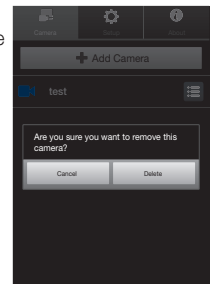
2. Live, Event, Playback and Setup icons will be displayed.

- Different functions are supported by each model.



### Delete Camera

1. To delete an added camera, tap and hold the desired one from the camera list, and tap <Delete>.

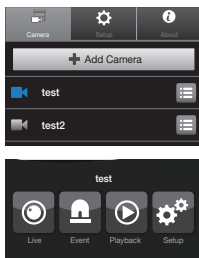


## 4. Live Video

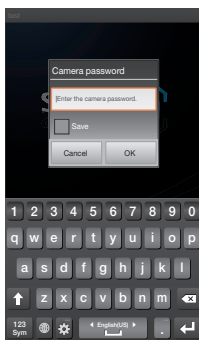
1. Tap the desired camera's [  ] or tap the <Live> icon.



- If there is the latest version of firmware, when you make a live video connection, a pop up will appear so that you can update your camera's firmware.



2. Enter the <Camera password> for the camera selected. This is the same camera password you created at the time you registered the camera. Check the <Save> option to save the camera password. Within 20 seconds, it will start streaming.




- According to the network service provider's policy, or the network connection status, it may take a while to load.

## Live Video



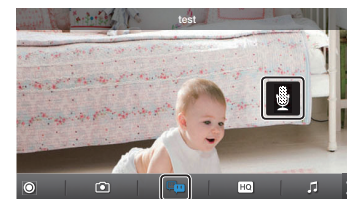
No.	Description
1	<b>Information</b> Current audio/video information is displayed.
2	<b>Manual Recording</b> A user can manually save the video in the SD card. <ul style="list-style-type: none"> <li>■ If there is storage space of 10% while the SD card overwrite function is not activated, you cannot perform manual recording.</li> <li>■ SNH-PG410BN supported</li> </ul>
3	<b>Capture</b> You can capture and save a still image from the video.
4	<b>Two-way Audio</b> The mic will be activated for bidirectional audio between your camera and a smart phone. <ul style="list-style-type: none"> <li>■ Refer to the bidirectional audio function.</li> </ul>
5	<b>HQ</b> <ul style="list-style-type: none"> <li>■ Depending on the network service provider's policy or network conditions, video and audio may not be smoothly played.</li> </ul>
6	<b>Melody</b> The selected melody will be heard through the camera speaker. <ul style="list-style-type: none"> <li>■ SNH-PG410BN supported</li> </ul>
7	<b>Brightness control</b> Adjusts the screen brightness.
8	<b>Flip control</b> Flips the video image.
9	<b>Motion zone</b> It detects motion within the area set by the user. <ul style="list-style-type: none"> <li>■ Refer to the motion zone functions.</li> <li>■ SNH-PG410BN supported</li> </ul>

No.	Description
10	<b>Audio playing</b> A user can record audio and play the recorded audio through the camera speaker. <ul style="list-style-type: none"> <li>■ You can record a max of 10 audio files.</li> <li>■ SNH-PG410BN supported</li> </ul>
	<b>IR Lighting</b> If you select <Night Vision> in general settings, IR lighting will operate for two minutes. <ul style="list-style-type: none"> <li>■ SNH-1010N supported</li> </ul>



- Different functions are supported depending on the model.

## Two-way Audio



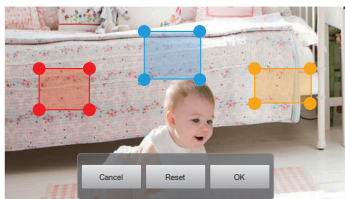
1. Tap on the Two-way Audio icon.
2. The Mic icon will appear.
3. Talk while pressing down the mic icon. Voice will be recorded from the camera mic. After finishing talking, press down the icon for two seconds so that the audio information will be transmitted through the network.
4. Even if you did not activate the two-way audio function, you can receive the audio sound of the video. In addition, the microphone setting should be at least 1 or higher if you want to use the two-way audio function.



- When there are multiple users logged on to the camera, first person who tap the Talk icon will have the control.
- While the bidirectional audio is on, you need to tap the bidirectional audio icon again to cancel the function.

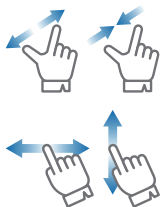
Condition	Audio Support
Wi-Fi	Support
3G/LTE	Support (it is not supported if the bidirectional audio icon is inactive)
Relay Mode	

## Motion zone



1. Tap the motion zone icon.
2. Connect to the motion zone mode.
3. After touching the video, drag it to set the area.
  - You can set a max of three motion zones.
4. If you want to run the motion zone in the area set, tap <OK>.
  - Motion is detected only in the set area.
5. To delete the set area, press <Reset> and <OK>. If you want to exit the motion zone setting mode, tap <Cancel>.

## To control digital zooming




You can also zoom in by pinch open using two fingers on the screen. To zoom out, pinch close on the screen.

Touch and hold to drag the screen in any direction to reveal the hidden part of the image if enlarged bigger than the screen.



- Current digital zooming level is noted next to the digital zoom box, and digital zooming supports zooming up to x4.

## Relay mode

If the router where your camera is connected to does not have the UPnP function or if the camera is connected to a dual router, your mobile device will be connected to the 3G or LTE network in a relay mode and you will see the video for the first seven minutes only. In relay mode, you can check [  ] in your live video. When setting your device to a Wi-Fi network, you can make a connection in general mode.



- The relay mode is used to transmit the camera video to a user's device through the Samsung server even if the network condition is not optimal.
- The audio is useable in relay mode but if the bidirectional icon is set to deactivation due to network problems, the audio is not available.
- The HQ mode live screen is not available in relay mode.
- If the router's UPnP is not set, then you might be connected in relay mode. The settings may differ depending on the connected Broadband Router model. For more information, refer to the user manual of the applicable router.
- If you have trouble connection to the camera, visit "<http://www.samsungsmartcam.com>", go to support page, and refer to "Troubleshooting" on it.

## 5. Camera Setup

Tap the <Setup> icon to configure a camera to be monitored.



## General setting

1. Tap <General>.
2. Configure the basic camera settings.

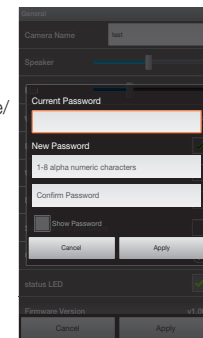
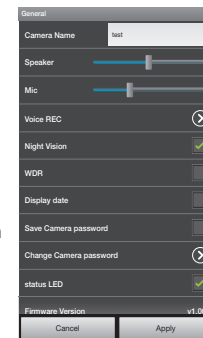
- Camera Name : Camera name is used to easily identify the camera when you have more than one.
- Speaker/Mic : Adjust the volume for the camera's built-in mic or speaker.
- Voice REC : You can record or delete the voice from the camera's live video.
  - SNH-P6410BN supported



- Night Vision : Set the IR lighting. Check <Night Vision> to set the camera to switch to the night vision mode automatically.
  - In the case of SNH-1010N, you can check <Night Vision> for a camera to automatically operate the IR lighting for two minutes depending on the brightness of the neighboring areas.

- WDR : You can compensate for the backlight by making a dark area brighter, and a bright area darker.
  - SNH-P6410BN supported

- Display date : Displays the date/time on the live video.
  - SNH-P6410BN supported
- Save Camera password : You will be connected to your camera without having to enter the password.
- Change Camera password : Change the current camera password.



- status LED : You can turn on or off the LED on your camera.
  - SNH-P6410BN supported
- Firmware Version : You can check the current version and the latest distributed version and even make updates. If there is the latest version of firmware, when you make a live video connection, a pop up will appear so that you can update your camera's firmware.

### 3. Tap <Apply>.

- ! Different functions are supported depending on the model.

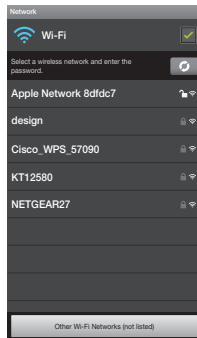
## Network setting

### 1. Tap the <Network>.

### 2. Configure the wireless network.

- Wi-Fi : Display the list of wireless hubs that you can use.

- ✍ If the Wi-Fi receiving sensitivity is poor, receiving a video may not work properly. Move the location of the camera to adjust receiving sensitivity.

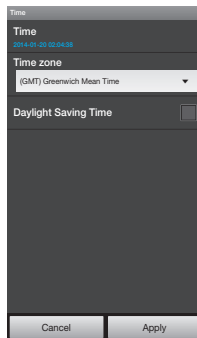


## Time setting

### 1. Tap <Time>.

### 2. Set the camera's clock.

- Time zone : Select your region.
- Daylight Saving Time : Check this option if you live in a country or region where DST (Daylight Saving Time) is applied.

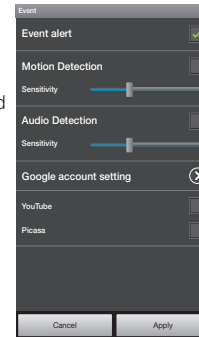


## Event setting

### 1. Tap the <Event>.

### 2. Set your event items.

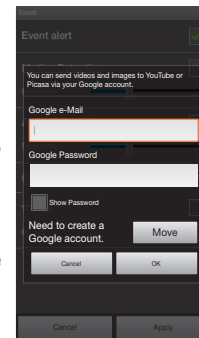
- Event alert : You will be alerted when motions/audio is detected and video is saved in Youtube or Picasa.
- Motion/Audio Detection : Specify whether to trigger the alarm or not, and specify the sensitivity. The higher the sensitivity is, the subtler motion/audio events will be detected.
- YouTube : Creates 30 seconds long footage and uploads onto the user's YouTube account.



- ! For model SNH-P6410BN, video is saved in the SD card, not Youtube.

- Picasa : Sends event images to the user's Picasa account.

- ✍ If you want to send notifications to YouTube/Picasa at the time of occurring an event, register Google account first.

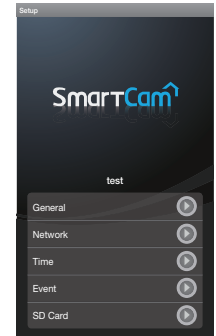


### 3. Tap <Apply>.

## SD card setting

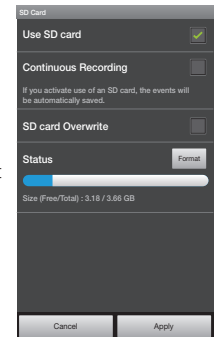
- ! Applicable to SNH-P6410BN only.
- You need to purchase an SD card if you want to use it.

### 1. Tap <SD Card>.



### 2. Set the SD card item.

- Use SD card : When you set motion/audio, the video will be automatically saved in the SD card.
- Continuous Recording : Video is saved regardless of the event that occurs.
- SD card Overwrite : If the SD card capacity is insufficient, then it will automatically start overwriting the oldest data.
- Status : Check the remaining capacity of the SD card.
- Format : Delete all the data in the SD card.

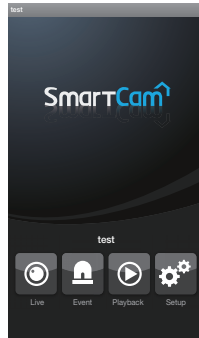


### 3. Tap <Apply>.

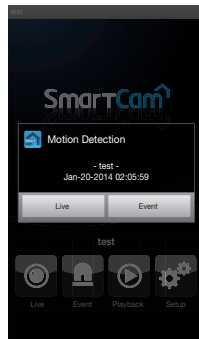
## 6. Event List

1. Tap on the <Event> icon to see the YouTube and Picasa event links.

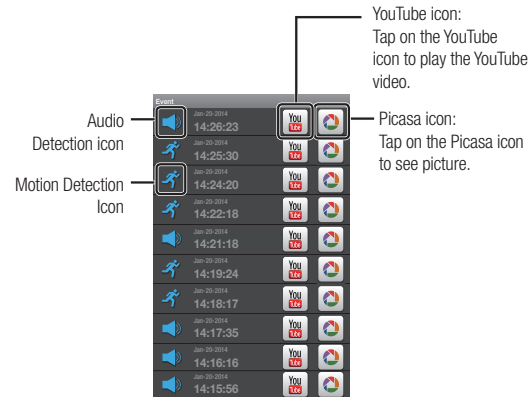
- Only when you set YouTube/Picasa after registering a Google account, it will be displayed in the event list.



- You will get a notification prompt when event is detected by the camera.
- While you are uploading a video to YouTube or Picasa, events are not detected.



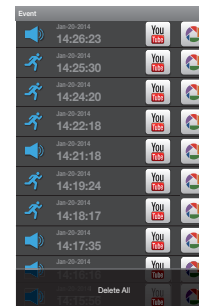
2. Detected events will be saved in the server and displayed in the event list.



- For model SNH-P6410BN, video is saved in the SD card, not YouTube. You can play it in the SD playing menu.
- Phone does not allow you to play the private videos automatically. To see the event videos on your phone, tap on the YouTube app and sign into your account (same YouTube account used for the Camera). While logged in to the YouTube, tap the YouTube icon to play the video automatically.

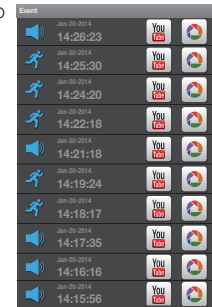
### Deleting All Events

1. Tap the menu button to display <Delete All> popup.
2. Tap on the <Delete All> to clear the event list.

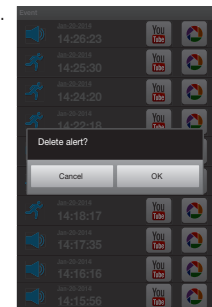


### Deleting Each Event

1. Tap and hold the desired event to be deleted.



2. Tap on <OK> to delete the event.



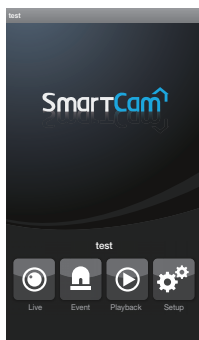
## 7. SD playing

### SD Save

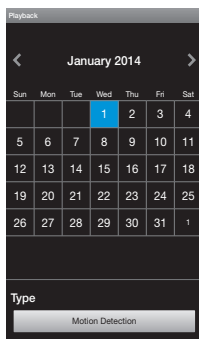
- 1. Continuous recording automatically saves video to SD memory every five minutes.
- 2. Manual recording is started by pressing the manual recording button in the live video. If you close the app without releasing the button, an additional 30 seconds of video will be saved before termination.
- 3. Event recording saves motion or audio for thirty seconds and if motion or audio is detected again in the meantime, the amount of saving time is extended.
- 4. In the case of manual or event recording while continuous recording is ongoing, video play time can vary depending on the interval of continuous recording (five minutes).

1. Tap the <Playback> icon.

- 1. Applicable to SNH-P6410BN only.



2. Searchable dates are displayed on the calendar. Tap the left/right < > button to select between year/month in the top of the calendar to move to the previous or next month.



3. Select the desired date of search.
4. Select an event type that you want to search.
  - You can select a saved video type in the playing list.

5. On the screen, a circular shaped timeline (24 hours) will be displayed. The time zone with the search data is classified by colors.



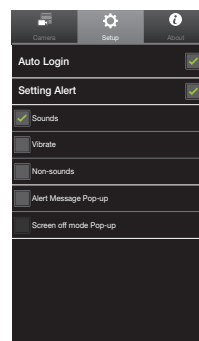
6. Check the timeline and drag it to the desired playing time [●] to set the video playing start time or enter the time on your own.
  - Previous/Next video : Move to the time where the video exists.



7. Tap the < > button. Play the video data.

## 8. Auto Login Setup

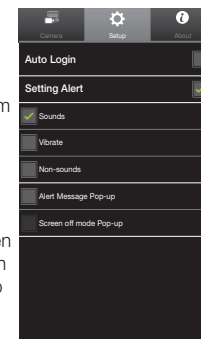
1. Move to the <Setup> item.
2. If you check <Auto Login> and run the app when it is terminated, you will be automatically logged in.



## 9. Alarm setting

1. Move to the <Setup> item.
2. Set the alarm for an event.

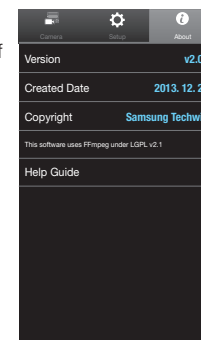
- Sounds/Vibrate/Non-sounds : When an event occurs, an alarm will be displayed as it was set.
- Alert Message Pop-up : When an event occurs, a notification pop up will appear.
- Screen off mode Pop-up : When an event occurs with the screen turned off, a notification pop up will appear.



## 10. Info.

### Checking the S/W info

1. Move to the <About> item.
2. You can check the information of the currently installed software.



### Help guides

1. Move to the <About> item.
2. Tap the <Help Guide> menu to see help.

- The language set in your UE will be automatically detected and the help menu will be provided in that language. Help is available in seven different languages.