

Kitvision™

**Safeguard** | 360 HD

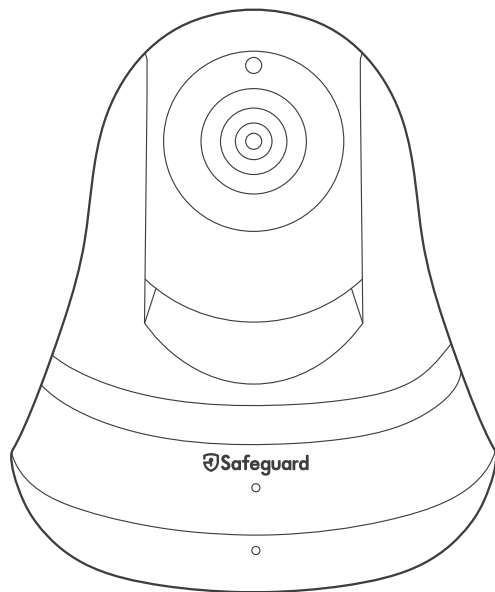
## Home Security Camera User Manual



kitvision.co.uk



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## Contents

- 4 Main features
- 4 Box contents
- 4 Functions
- 5 LED status indicator
- 5 Android / iOS app
- 6 Camera setup
- 9 Operating the camera
- 10 Friends' cameras
- 11 Changing the camera settings
- 13 Viewing events
- 14 iSecurity+ subscription
- 15 Installation
- 16 Specification
- 17 Care for your Safeguard
- 17 Safety instructions
- 18 Warnings
- 19 Troubleshooting



## Main features

- 360° rotation
- 720p HD video
- Built-in Wi-Fi
- Listen and talk audio
- Made for smart devices

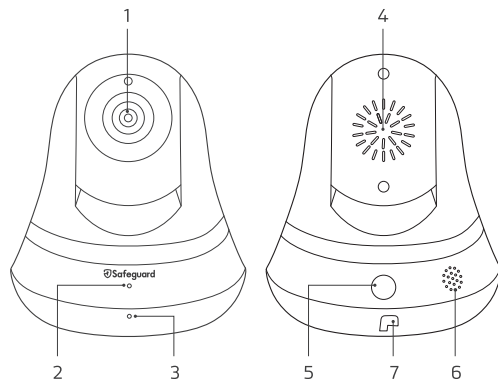
## Box contents

- 1 x Safeguard 360 HD
- 1 x Wall mount bracket
- 1 x AC adapter
- 1 x User manual

## Functions

1. Camera lens
2. LED indicator
3. Microphone

4. Cooling vent
5. Reset button
6. Speaker
7. Power port



## LED status indicator

Front LED Indicator (2)	
Green	Connected to local network
Orange — flashing	Not connected to any network
Green/Orange — flashing	Ready to initiate Wi-Fi setup
Reset Button (5)	
Green	Setup mode on
Orange	Setup mode initialising
Off	Setup mode off

## Android / iOS app

Before using the Safeguard HD, download the free 'iSecurity+' app on the Apple App Store or Google Play Store.



iSecurity+



## Camera setup

**Note:** Do not manually rotate the camera upward, downward, toward the left or the right. This may damage the camera.

1. Plug the AC adaptor into the power port (7) on the base of the Safeguard 360 HD, and plug the UK plug into the mains.
2. Within two minutes, the Safeguard 360 HD will rotate and the LED indicator (2) will start blinking green and orange alternately. This indicates that the camera has initialised and is now in Connection mode.
3. Go to the Wi-Fi settings of your smartphone or tablet and select the network "S-GUARD360HDXXXX" (the X's represent the last 4 figures of the MAC ID at the back of your camera).
4. Once connected to the camera, launch the iSecurity+ app. Your Safeguard 360 HD will be detected automatically and you will be asked if you would like to set it up as a new camera. Select 'Yes' to proceed.
5. On the next prompt, select 'Continue' to begin setup (Figure 1).



Figure 1

6. You will be shown a preview of your camera, select 'Connect camera to internet' (Figure 2) to proceed.
7. Select the Wi-Fi network you wish to connect your camera to (Figure 3).

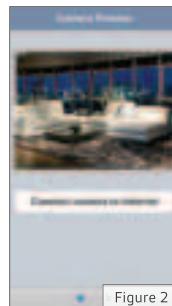


Figure 2

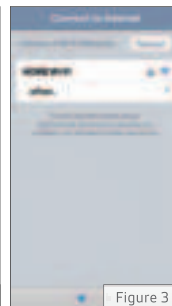


Figure 3

8. If protected, enter the Wi-Fi password and select 'Continue' (Figure 4).
9. Create an iSecurity+ account by completing the required fields and selecting 'Continue' (Figure 5) or if you have an existing iSecurity+ account select 'Use existing' (Figure 5) and enter your login details.



Figure 4



Figure 5

10. Create the camera profile by entering a camera name and description (Figure 6), select 'Continue' to proceed.



Figure 6

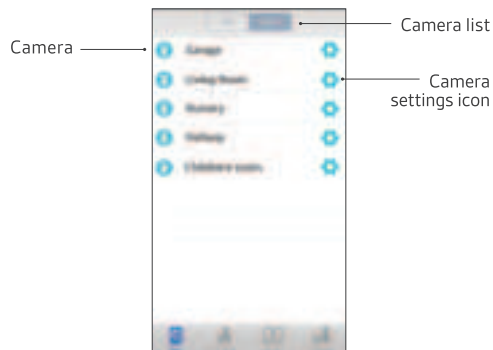
#### Pair the camera to an alternative device / account

1. To connect a different smartphone, press the reset button (5) at the back of the camera once.
2. The LED indicator (2) at the front of the camera blinks in green and orange alternately. You may now start the process again from the "Camera Setup" section of this manual.

**Note:** If you have pressed the reset button (5) at the back of the camera in error and you do not wish to restart the setup process, press the reset button (5) again to cancel the process.

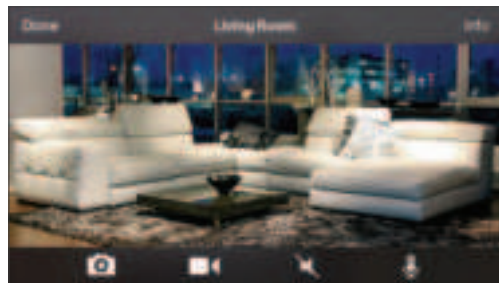
## Operating the camera

Camera dashboard:



#### Viewing a camera

1. Launch the iSecurity+ application.
2. Select the 'Mine' tab and choose a camera from the online list, a live feed will be displayed.



Photo

Video

Sound

Talk

[continued...]

**Take a picture:** Select the 'Photo' icon to take a snapshot of the camera view, the photo will automatically be saved into your phone storage.

**Record a video:** Select the 'Video' icon to record the camera view, the video will automatically be saved into your phone storage.

**Speak / listen through the camera:** To start a conversation through the camera, enable the sound by selecting the 'Sound' icon and hold the 'Talk' icon while talking

**Zoom in / zoom out / rotate:** You can zoom in/out by pinching the screen. Press twice on the screen to reset the zoom. You can rotate the camera by sliding on the screen. The camera can rotate in four directions (up, down, right, left). **Note:** If the camera appears to stop rotating this means it has reached the end of its rotation and can't go any further; do not continue swiping as this may break the rotation motors.

## Friends' cameras

### Sharing:

1. On the app dashboard, select the 'Mine' tab.
2. Click on the 'Camera settings' icon next to the camera you want to share (Figure 8).
3. Select 'Invite friends' and send an invitation to a friend you wish to share your camera with (Figure 8).
4. Send the invitation to your friends' email address and they can then link the camera to their account.

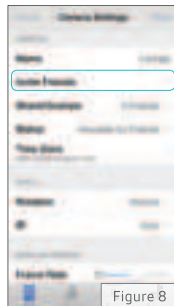


Figure 8

### Viewing:

1. On the app dashboard, select the 'Friends' tab.
2. All online cameras will be displayed in the 'Online' list, select a camera to view a live video feed.

**Note:** You will not be able to alter the settings of a friend's camera or use the Zoom in / zoom out / rotate functions.

## Changing the camera settings

1. On the app dashboard, select the 'Mine' tab.
2. Press on the 'Camera settings' icon next to the camera you wish to alter.
3. Once you have changed the settings, select 'Done' to save and exit.

### Camera settings:

General	
Name	Change the name of your camera
Invite Friends	Invite friends to view your camera by entering their email address and sending them an invitation
Share / Unshare	View a list of friends with access to your camera, in this setting you can add more friends or de-select friends from viewing your camera
Status	Change the visibility mode of your camera <b>[Viewable by friends] [Private]</b>
Time Zone	Change the time zone of your camera by selecting the appropriate location from the provided list
Video	
Rotation	Change the orientation of the camera view depending on its mounting position; if your camera is inverted / mounted on the ceiling we recommend selecting the 'Flipped vertically' rotation setting <b>[Normal] [Flipped vertically]</b>
IR (Infrared)	Change the night-vision settings to record footage in darkness <b>[Off] [On] [Auto]</b>
Regular stream	
Auto Adjust	Activate automatic video settings to allow the camera to select optimised video settings based on the network strength
Frame Rate	Use the slider tool to change the video frame rate between 1 and 25 frames per second, a lower frame rate will decrease the stream / file size and allow quicker access to the live video feed, but a faster frame rate will capture more movement

Quality	Use the slider tool to change the video quality between 1 and 5. Increased video quality will capture more detail but will result in a larger stream / file size, and may increase connection time
Video Size	Change the video resolution of the camera <b>[1280 x 720] [640 x 360] [320 x 180]</b>
<b>Audio</b>	
Microphone	Turn the camera microphone on or off
Speaker	Use the slider tool to change the volume of the camera's speaker between 1 and 100
<b>iSecurity+ Services (requires an iSecurity+ subscription service or free trial)</b>	
Sensitivity	Use the slider tool to change the sensitivity of the motion detection between 1 and 5
Event Recording	Activate event recording to record captured events to cloud storage
Email Notification	Activate email notifications to receive an email when movement is detected
Phone Notification	Activate phone notifications to receive a phone notification when movement is detected

### Movement notifications

With the 'iSecurity+ snapshots' or 'iSecurity+ video' subscription service you can choose to activate movement notifications that will alert your smart device and / or email address with a notification. The 'iSecurity+ snapshots' will display a series of photos and the 'iSecurity+ video' will display a live video feed with audio during the period of detected movement.

#### To activate:

1. Open the 'Mine' tab.
2. Select the settings icon on the camera you wish to activate.
3. Change the 'Phone notification' or 'Email notification' slider to the 'On' position.

## Viewing events

With a subscription to iSecurity+ snapshots, you will be able to view all recent captured events through your account.

1. On the dashboard, select the 'Events' (Figure 9) tab.
2. Select a camera (Figure 9).
3. Select an event and press play to view a set of photos (using iSecurity+ snapshots) or a video & audio recording (iSecurity+ video) (Figure 10).

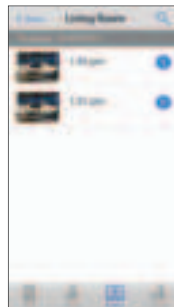


Figure 9

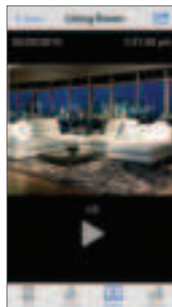


Figure 10

## Keeping your camera up-to-date

When an update is available a 'download' icon will appear next to your Safeguard camera, select the icon and follow the steps to update your camera (Figure 11).

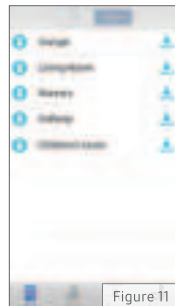


Figure 11

## Using a computer to access your camera

You can also view, manage and operate your Safeguard 360 HD through an internet browser on a PC or Mac. Follow the link below to access your camera from a computer:

<https://app.isecurityplus.com/app/c/login.html>

## iSecurity+ subscription

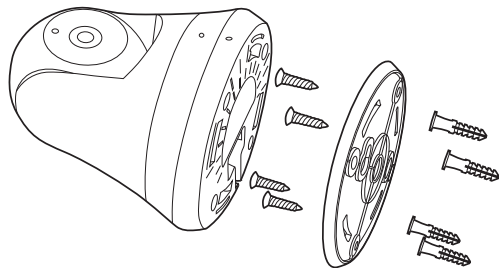
To receive the full benefits of your Safeguard Home Security Camera, it is recommended that you subscribe to an iSecurity+ service. Upon registration you will automatically begin a 14-day free trial to the 'iSecurity+ Video' service, to view pricing and to upgrade after your trial has expired visit:

[www.isecurityplus.com/pricing](http://www.isecurityplus.com/pricing).

	iSecurity+ Live	iSecurity+ Snapshots	iSecurity+ Video
Mobile live viewing	Y	Y	Y
Camera configuration	Y	Y	Y
Camera sharing	Y	Y	Y
Live audio sharing	Y	Y	Y
In-App video recording	Y	Y	Y
In-App snapshot	Y	Y	Y
Motion detection	N	Y	Y
Mobile notification	N	Y	Y
Email notification	N	Y	Y
Event capture	N	Y	Y
Record off-site to secure cloud storage (rolling 14 days of storage)	N	Y	Y
Event capture of full motion video & audio recording to secure cloud storage	N	N	Y

## Installation

1. Remove the mounting bracket from the base of the Safeguard 360 HD.
2. Fasten the base to the wall with the screws and anchors included in the box.
3. Reattach the camera to the mounting bracket.





## Specification

Camera	
Image Sensor	2MP 1/3.2" CMOS Sensor (1600 x 1200 pixels)
Lens Focal Length	3.8 mm
Lens Maximum Aperture Ratio	F 2.2
Field of View	41° horizontal, 53° vertical
Minimum Illumination IR mode	0lux using built-in IR LEDs in darkness up to 8 m
Minimum Illumination Colour Mode	1.0lux
Illumination LEDs	6 x 850nm IR LED with auto ON/OFF
Image Orientation	Standard, flip
Working Frequency	2.4-2.4835 GHz
Output Power	<15 dBm
Picture Resolution	1280 x 720 p
Video	
Video Resolution	1280 x 720 p
Codec	H.264, JPEG for photos
Frame Rate	Up to 25 fps
Video Features	Adjustable image size and quality, flip and mirror image
Audio	
Audio In	Built-in microphone, -38 db ± 2 db
Audio Out	Built-in speaker
Audio Compression	G.711, PCM
Network	
Wireless Connectivity	802.11b/g/n Wireless with WEP/WPA/WPA2 security
Frequency	2.412 — 2.462GHz
General	
Power	Input 100-249 V AC, 50/60 Hz, Output 5 V DC, 2.0 A
Power Consumption	<6 W
Operation Temperature	0°C to 40°C
Storage Temperature	-20°C to 60°C
Pan Range	-175° to +175°
Tilt Range	0° — 100°
Pan + Tilt Speed	100° per second
Supports	iOS and Android Platforms, App Store or Play Store app 'iSecurity+'
Web browsers	Supports IE, Google Chrome, Firefox, Safari (via www.seedonk.com website to login users' account)
Weight	308 g
Dimensions	H110 x W105 x D105 (mm)

## Care for your Safeguard

### Please DON'T:

- Get the Safeguard wet
- Drop the Safeguard as this will invalidate your warranty
- Open up the Safeguard as there are no user serviceable parts inside
- Expose the Safeguard to extreme temperatures or rapid changes of hot to cold or vice versa

### Please DO:

- Clean the Safeguard with a soft dry cloth and no detergents

## Safety instructions

- Do not point the camera directly at the sun to prevent damaging the image sensor
- Keep the camera away from heat
- Keep the camera away from rain or moisture
- Do not attempt to open, dismantle, repair, or service the camera. Doing so may cause electric shocks and other hazards
- Any evidence of misuse, abuse, or tampering will void the Warranty
- To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body. Use only the supplied antenna

## Warnings

To prevent fire or shock hazards, do not expose this product to moisture.


Apparatus shall not be exposed to dripping or splashing and no object filled with liquids, such as vases, shall be placed on the apparatus. To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

## FCC Notices

This equipment has been tested and found to comply with the limits for a 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 the interference by one or more 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

 This product bears the symbol for waste electrical and electronic equipment (WEEE). This means that this product must be recycled or dismantled to minimize its impact on the environment. For further information, please contact your local or regional authorities.

 In compliance with European laws, this product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC (R&TTE).

## Troubleshooting

We hope you've now got all the information you need to get started, but if you're having problems with anything, please feel free to contact us at: **support@kitvision.co.uk** or visit **www.kitvision.co.uk**.

We apologise for any inconvenience caused by minor inconsistencies in these instructions, which may occur as a result of product improvement and development.