



Operating Manual

Version 03.2016

...easy to operate using the
"ProHomeIPC" app from Olympia





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General Information



Please read and observe the following information and keep this operating manual in a safe place for future reference!

Intended Use

The **OC 1280 P Outdoor Camera** (subsequently referred to as camera) is designed to perform video surveillance (CCTV) by day and night. When installing and selecting the area of use of the camera, pay attention to the personal rights of third-parties and that the respective, applicable local laws and regulations are not violated.

Unintended Use

The camera is not suitable for use in potentially explosive areas. The camera is not intended for use outside the permissible ambient conditions stipulated in the Section "Technical Data".

Monitoring of third-parties is not permitted without having obtained the respective, explicit authorisation and could have legal consequences.

Any use other than that described in Intended Use is considered unintended use. Unauthorised modification or reconstruction is not permitted.

Under no circumstances open the camera or accessories or attempt to complete any repair work yourself.

Legal Notice

All the trademarks or brand names on the product and/or accessories or which appear in this operating manual serve solely for descriptive purposes and do not imply that they are freely available. The trademarks and brand names are the property of the respective proprietor of the rights.

General Safety Information

Observe the following safety instructions in order to protect yourself from the possibility of personal injury and the product from damage.

⚠ WARNING!

Risk of electric shock!

Never attempt to open and repair the device or accessories yourself. Never touch bare contacts with metallic objects. Never plug-in or unplug the power cable when your hands are wet. Never open the camera or components yourself. **Repairs** to this device may only be completed by properly qualified service personnel.

⚠ WARNING!

Risk of suffocation!

Keep out of reach of children! Keep packaging materials and protective foils out of reach of children. Keep the device and any accessories out of reach of children. Small children can swallow small parts. Seek medical attention immediately if a small part is swallowed.

ATTENTION!

Do not use the camera in prohibited areas!

Prohibited areas could include public buildings or spaces, for example. Please observe local laws and regulations!

ATTENTION!

Protect the camera from chemicals, vapours, heat and direct sunlight.

ATTENTION!

Only use original accessories.

Only connect accessories approved by the manufacturer to the camera and only use the power adapter supplied.

ATTENTION!

Property damage is possible.

Only use properly installed, easily accessible power sockets.

General Overview

This section provides information on the package contents as well as the connections and operating elements on the camera.

Package Contents

Unpack the camera and check that the package contents are complete. The camera package contains the following components:

- ➔ Camera
- ➔ Power adapter
- ➔ Receiver
- ➔ Cable box
- ➔ Assembly material (3 screws, 3 dowels)
- ➔ Network cable (RJ45/RJ45, Cat.5e)
- ➔ Operating manual

Check for any visible signs of damage to the camera packaging or the components supplied. If there are, do not put the camera into operation.

Notations Used in this Manual

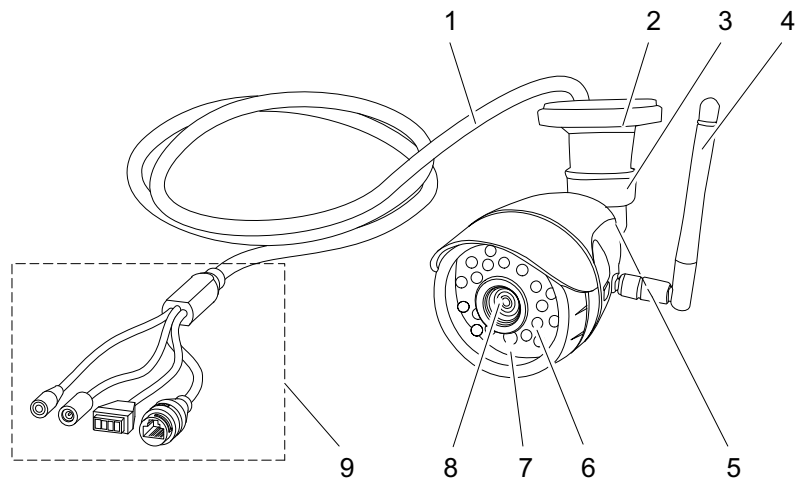
The section below explains the presentations and notations used in this operating manual.

1. This indicates the first step in a set of instructions.
 2. This indicates the next step in a set of instructions.
- This symbol indicates useful information which will help you to use the camera and **ProHomeIPC-App**.
 - ➔ Indicates a list.

Connections and Operating Elements

Before installing the camera, familiarise yourself with the connections and operating elements on it.

General View



1 Connection cable (several interfaces)

2 Device mounting bracket

3 Union nut for mounting bracket

4 Antenna (for WLAN)

5 Ball joint

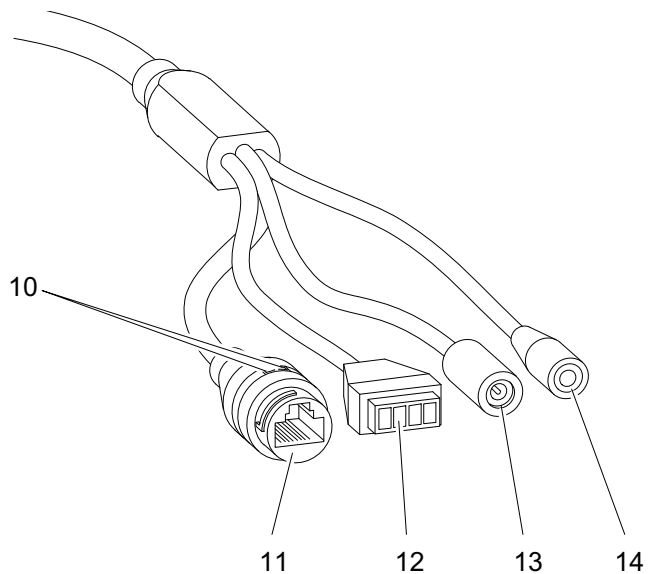
6 Infrared LEDs (night vision)

7 Brightness sensor

8 Lens

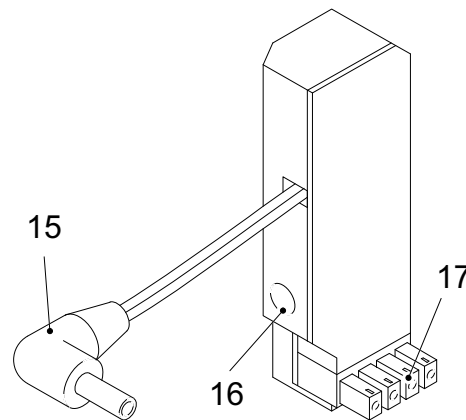
9 Interfaces (see Page 11)

Interfaces on the Connection Cable



- 10 LEDs for network activity
- 11 Port (for network cable)
- 12 Port (for connection to the receiver)
- 13 Port (for power supply)
- 14 Reset button

Receiver for Connection to Alarm System



- 15 Plug (for power supply)
- 16 Port (for power supply)
- 17 Plug (for connection to camera)
- 18 Status LED (not illustrated here)

Installing the Camera

Observe the recommended sequence of working steps when installing the camera.

To set-up and install your camera easily, we recommend that you first connect the camera to the home network and camera app before connecting it at the location of use.

This operating manual describes the sequence of working steps recommended by us:

1. Connecting the Power Adapter

This section explains how to connect the power supply to the camera and decide whether you want to use it in connection with an alarm system or not.



2. Connecting the Network Cable

This section explains how to define the camera, to be used in your home network, to the router. This step is necessary in order to be able to integrate the camera in your wireless home network (WLAN).



3. Installing the Camera App

This section explains how to install the relevant Olympia camera app (ProHome IPC) on your smartphone or tablet PC.



4. Connecting the Camera App to the Camera

This section explains how to connect the camera to the camera app and complete the first function test.



5. Connecting the Camera to the WLAN

This section explains how to connect the camera to the wireless home network (WLAN).



6. Last Step Prior to Assembly

Before beginning with the installation at the site of use, you must disconnect all the cable connections again.



7. What is the Correct Installation Location for My Camera?

To ensure good results of the surveillance, there are a few points to take into account when selecting a suitable installation location. We can help you make the right decision.



8. Installing the Camera

This section explains how to install the camera at the location of use.



9. Assembling the Cable Box

This section explains how to install the camera's cable box at the location of use.



10. Final Steps

This section explains the final work which you must complete before you can align the camera and use it in connection with the camera app.



11. Aligning the Camera

This section explains how to align the viewing angle of the camera optimally to the area to be monitored.

1. Connecting the Power Adapter

This section explains how to connect the camera to the power supply and then decide whether the camera is to be integrated in an existing alarm system.

Use With an Alarm System

If you want to integrate the camera in an alarm system (Protect Series 6xxx / 9xxx alarm system from Olympia), you must use the receiver supplied. If you do not want to integrate the camera in an alarm system, skip this section and continue with **Use Without an Alarm System**.

The receiver is connected directly to the camera and power adapter of the camera. In this case, power is supplied to the camera from the receiver.

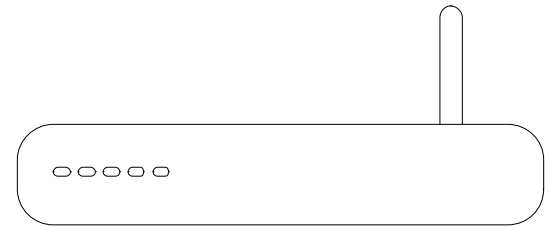
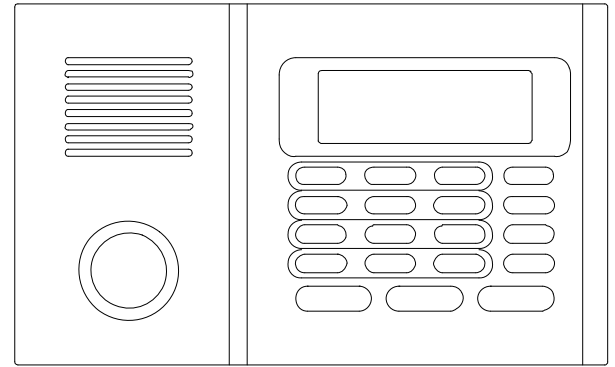
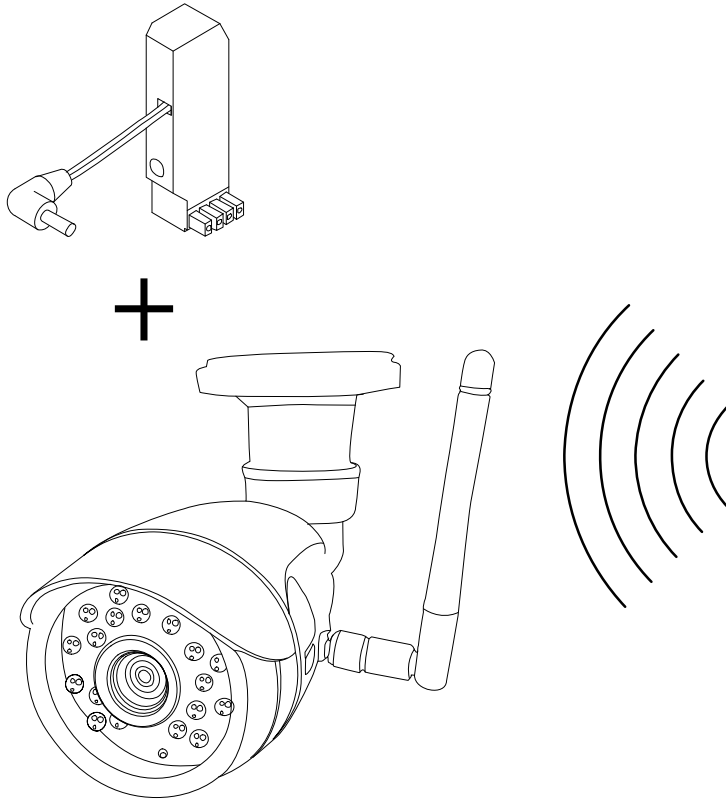
1. Connect the plug (17) on the receiver to the port (12) on the connection cable of the camera to enable data exchange with the alarm system.
2. Connect the plug (15) on the receiver to the port (13) on the connection cable of the camera to provide the power supply.
3. Connect the power adapter supplied to the port (16) on the receiver and a power socket.

- The LEDs on the network connection port (10) signal when power is being supplied and a connection exists to the network (lights up orange) and data is being transmitted (flashes green).

Registering the Receiver on the Alarm System

The following section describes how to register the receiver on the alarm system.

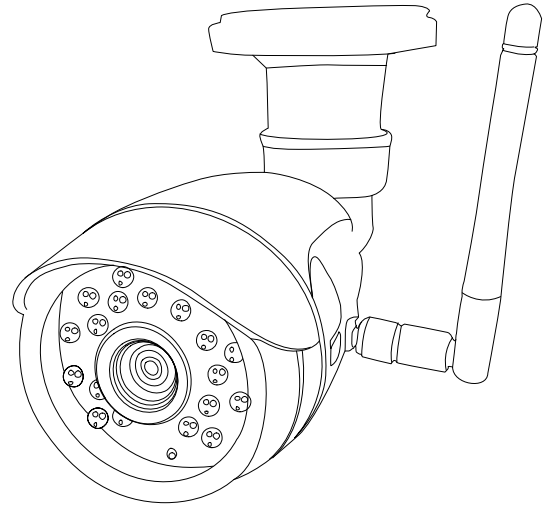
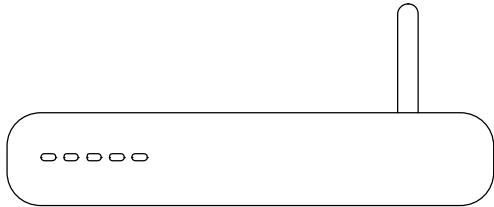
1. Disconnect the power adapter from the power socket.
2. Select the **Register** menu on the alarm system according to the relevant operating manual.
3. Connect the power adapter to the power socket.
4. When the message **Siren** followed by a number appears in the alarm system display, registration on the alarm system has been completed successfully.
5. The receiver is now registered on the alarm system.
6. You can alter the **Siren** entry to **Camera** or **Video**, for example, according to the relevant operating manual.



Use Without an Alarm System

If you want to use the camera without an alarm system (Protect Series 6xxx / 9xxx alarm system from Olympia), you do not need the receiver supplied.

1. Connect the power adapter supplied to the port (13) on the camera's connection cable and a power socket.



2. Connecting the Network Cable

You must identify your camera in your network.

The camera must be assigned an unambiguous address within your network so that you can access the camera app on the camera later.

If you have not changed the default setting of your router, the camera will be assigned an unambiguous address automatically during connection to the router.

i In the case of most routers, the **DHCP** function is activated at the factory. More detailed information on the **DHCP** function is provided in the operating manual supplied with your router.

1. Connect the network cable to the port (11) on the connection cable and a free network connection port on the router.
2. Wait about 60 seconds until the router has automatically assigned an unambiguous address to the camera.

3. Installing the Camera App

1. Download the **ProHomeIPC-App** from the App Store (for iOS) or Google Play Store (for Android).
2. Enable the **ProHomeIPC-App** access to the camera of your smartphone or tablet PC and mobile internet. This simplifies connecting the camera and **ProHomeIPC-App** and also provides remote access to the camera via the smartphone or tablet PC.

i You require access to the camera on your smartphone or tablet PC when you want to scan the QR code as described in Section **Connecting the Camera App to the Camera**.

i Access to the camera and mobile internet can also be enabled or refused later in the setting options provided by your smartphone or tablet PC. More detailed information is provided in the operating manual supplied with your smartphone or tablet PC.

4. Connecting the Camera App to the Camera

1. Connect your smartphone or tablet PC to the same wireless network (WLAN) in which the camera is integrated.
2. Start the **ProHomeIPC-App**.
3. Touch **Add Device** or **Click here to add camera**.
4. Touch **QRCode** or **Scan**.
5. Scan the QR code on the rear of the camera using your smartphone or tablet PC. The **ProHomeIPC-App** automatically searches for all the cameras available in the network.
6. When the smartphone or tablet PC is connected to the same wireless network as the camera, the camera is displayed.
7. Enter the camera's password. When the default setting are set, the password is **admin**.

8. Save the settings by touching **Save** or **OK**.

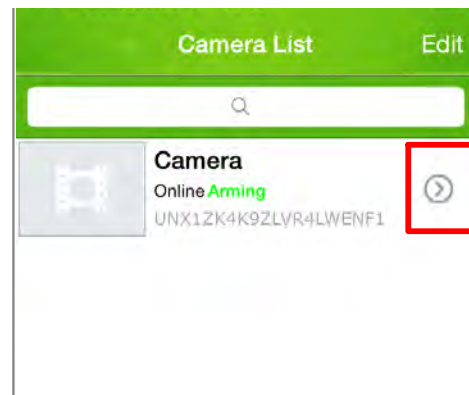
Your camera is now listed in the overview of cameras available.

i The first time you attempt to select your camera, you will be requested to change the camera's password for reasons of security. We urgently recommend that you change the camera's password in order to prevent unauthorised access to your camera, and thus your privacy, by third parties.

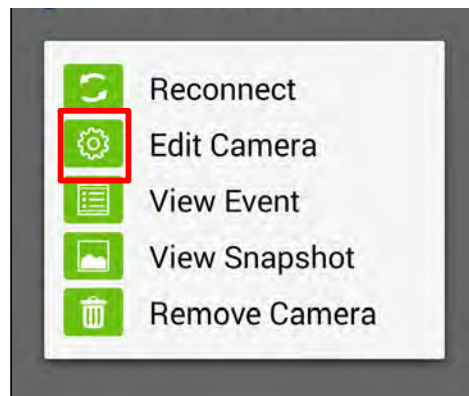
5. Connecting the Camera to the WLAN

The following section describes how to connect the camera to the wireless home network (WLAN).

1. Open the **Advanced Setting** menu. When using iOS, touch the highlighted arrow on the right in the overview of available cameras. When using Android, also touch the arrow and then on the icon highlighted on the right.
2. Touch the **Advanced Setting** option.
3. Touch the arrow beside the **WiFi** option to display a list of wireless networks available.
4. Touch the wireless network to which you want to connect your camera.
5. Enter the **WiFi password** of the wireless network selected. For security reasons, the characters of the password appear encrypted.
6. Save the settings by touching **OK**.



iOS



Android

6. Last Steps Prior to Assembly

Disconnect all the cable connections before beginning with the installation work.

The settings for the connection between your camera and the **ProHomeIPC-App** and the settings for your WiFi are retained when the camera is disconnected from the power supply.

1. Disconnect the power adapter from the power socket.
2. Disconnect the network cable from the port (11) on the connection cable.

7. What is the Correct Installation Location for My Camera?

You can install the camera at any installation location (e.g. under a roof projection or on a ceiling) with the aid of the device mounting bracket.

Observe the following points when selecting the installation location.

- ➔ The camera must be installed at a suitable height to protect the camera and connection cable from any unwanted manipulation, vandalism or other unauthorised access.
- ➔ The camera must be within the range of the wireless network (WLAN).
- ➔ There must be sufficient space to install the cable box in the direct vicinity.
- ➔ The power socket, which must be located indoors, must be easily accessible.
- ➔ (Option) The receiver must be within range of your alarm system.

8. Installing the Camera

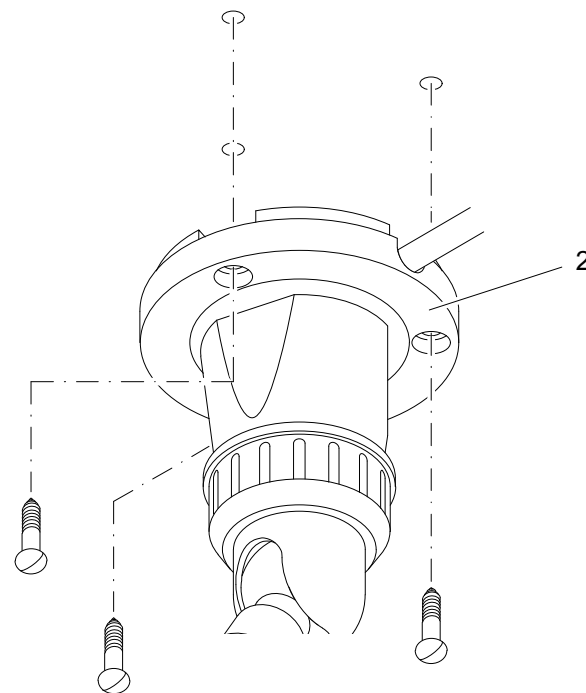
⚠ WARNING!

Risk of fatal injury through electric shock or gas explosion!

During installation, pay attention to the possibility of electrical cables and gas pipes running in the walls.

Pay attention that you do not damage electric cables or gas pipes.

1. Use the holes in the mounting bracket (2) as a drilling template and drill three sufficiently large holes in the wall or ceiling.
- We recommend the use of special dowels according to the properties of the mounting surface.
2. Insert the respective dowels in the drill holes.
3. Lay the connection cable in the recess in the mounting bracket.
4. Assemble the camera with the mounting bracket using suitable screws.

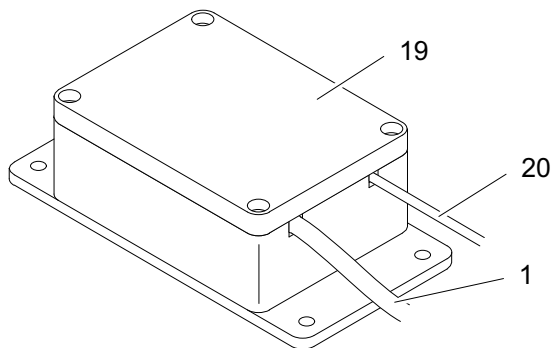


9. Assembling the Cable Box

After assembling the camera, you can stow the connection cable (1) and, if necessary, the receiver in the cable box to protect excess lengths of cable from any unwanted manipulation, vandalism or other unauthorised access.

Observe the following points when selecting the assembly location.

- ➔ The cable box must be in the direct vicinity of the camera.
- ➔ The power cable can be laid easily into the box.
- ➔ (Option) The receiver must be within range of your alarm system.



⚠ WARNING!

Risk of fatal injury through electric shock or gas explosion!

During installation, pay attention to the possibility of electrical cables and gas pipes running in the walls.

Pay attention that you do not damage electric cables or gas pipes.

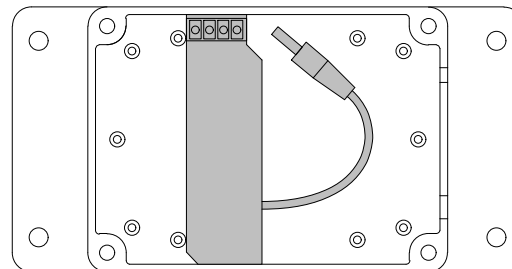
1. Use the holes in the cable box as a drilling template and drill four suitable holes in the wall or ceiling.
2. Loosen the screws in the lid (19) of the cable box using an appropriate screwdriver and remove the cable box lid (19).
3. Drill another suitable hole in the wall or ceiling close to the cable box through which to feed the power cable (20) from indoors out to the cable box.
4. Insert the respective dowels in the drill holes for the cable box.
5. Pay attention that the **cable glands face downwards** and assemble the cable box using appropriate screws.

10. Final Steps

Now complete the final steps of the installation work. Reconnect the two cable connections previously disconnected.

Using a Receiver

1. Connect the plug (17) on the receiver to the port (12) on the connection cable of the camera to enable data exchange with the alarm system.
2. Connect the plug (15) on the receiver to the port (13) on the connection cable of the camera to provide the power supply.
3. Connect the plug on the power adapter to the port (16) on the receiver.
4. Lay the connection cable (1) through the left-hand cable gland into the cable box.
5. Position the receiver in the cable box as illustrated.
6. Lay the connection cable (1) in loops inside the cable box.
7. Lay the power cable (20) through the hole drilled in Step 3 and outdoors from the indoor area.
8. Feed the power cable (20) through the right-hand cable gland into the cable box.
9. Place the lid (19) on the cable box and screw the lid (19) in place using the screws provided.
10. Connect the power cable to a properly installed power socket.

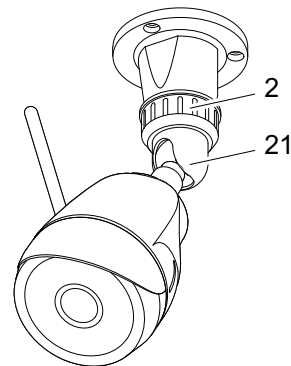


Without Receiver

1. Connect the plug on the power adapter directly to the port (13) on the camera's connection cable to connect the power supply.
2. Lay the connection cable (1) in loops inside the cable box.
3. Lay the power cable (20) through the hole drilled in Step 3 and outdoors from the indoor area.
4. Feed the power cable (20) through the right-hand cable gland into the cable box.
5. Place the lid (19) on the cable box and screw the lid (19) in place using the screws provided.
6. Connect the power cable to a properly installed, indoor power socket.

11. Aligning the Camera

1. Use the ball joint (21) to align the camera horizontally and vertically in respect of the area you want to monitor.

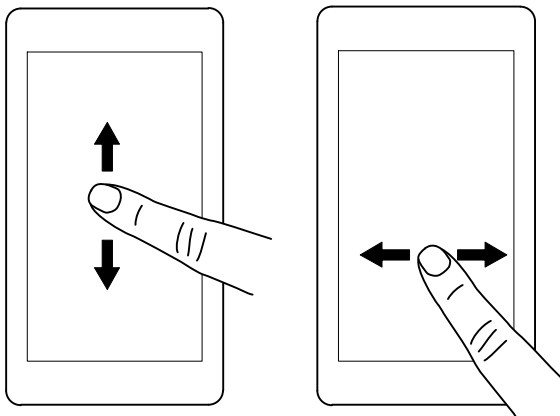


The camera has an angle of vision of 60°.

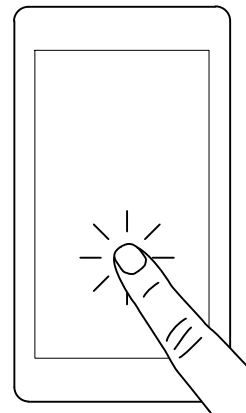
2. Check the monitoring position of the camera with the camera app using the live image.
3. Fix the camera in the defined position using the union nut (3).
4. The installation and set-up work for the camera is now completed. You can now start to learn about our convenient camera app, **ProHomeIPC-App**.

Using the ProHomeIPC App

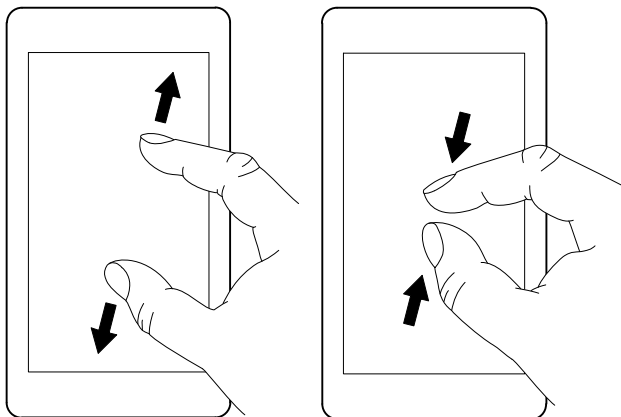
Familiarise yourself with how to use the ProHomeIPC-App.



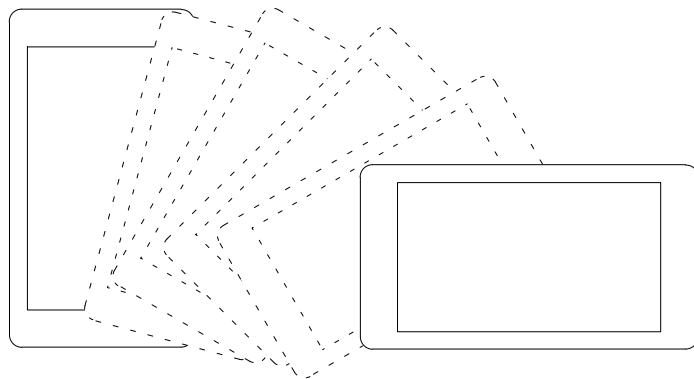
Swipe your finger in any direction over the display of your smartphone or tablet PC to move the screen section displayed.



Tap your finger on the display of your smartphone or tablet PC to open the submenus and activate functions.



Zoom the image displayed on the screen on the display of your smartphone or tablet PC by touching the image section with two fingers and spreading them apart accordingly. Move your fingers in the opposite direction to reduce the size of the image.



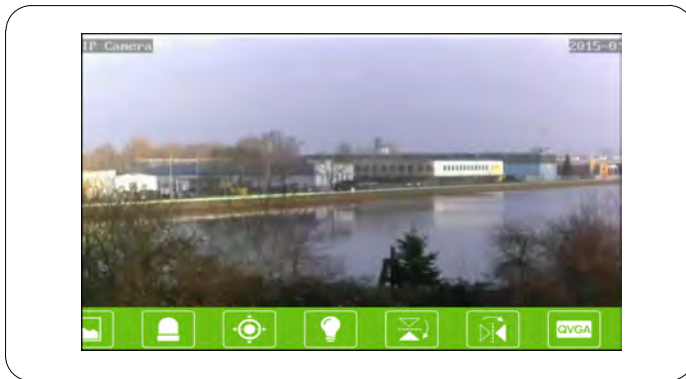
Rotate your smartphone or tablet PC on its side. The image then appears as a full screen display.

- **i** It may be necessary to activate the function to rotate the screen contents in the Settings menu on the smartphone or tablet PC. More detailed information is provided in the operating manual supplied with your smartphone or tablet PC.

Operating the Camera (iOS)

Opening the Menu Bar

Touch your finger on the smartphone or tablet PC screen. A menu bar opens at the bottom edge of the screen.



A function is assigned to each button in the menu bar. Touch one of the buttons to activate the function or, if necessary, define settings.

Buttons in the Menu Bar

This section provides information on which functions are assigned to the buttons in the menu bar while a live picture is on screen and what you can do with them.

Snapshots

You can take a photo of the live image currently scanned by the camera.



1. Touch the **Snapshot** button. The live image currently displayed is saved as a snapshot. The **Snapshot saved** message appears in the display.

When the default settings are set, the snapshots are saved locally on the smartphone or tablet PC. You can also save your snapshots on the camera. More detailed information is provided in Section **Recording on the SD Card**.



2. Touch the button to open an overview of the snapshots taken.

Activating Night Vision

If the brightness of the area being monitored falls below a certain level, the infrared LEDs are automatically activated.

The infrared LEDs serve as a residual light amplifier so that the area monitored is illuminated sufficiently despite the dark and can continue to be monitored. The live image displayed appears in black and white.



1. Touch the **IRLight Switch** button.



2. Touch this button to activate automatic night vision.



3. Touch this button to deactivate automatic night vision.

Flipping the Image Section Horizontally

You can flip (mirror) the live image displayed on the horizontal axis. This is useful, for example, if you want to install your camera on a ceiling using the holding bracket.



1. Touch the **Flip horizontal** button. The current live image displayed is flipped on the horizontal axis.

Flipping the Image Section Vertically

You can flip (mirror) the live image displayed on the vertical axis. This can be useful, for example, when the camera is mounted in such a way that parts of the area under surveillance lie in a blind spot.



1. Touch the **Flip vertical** button. The current live image displayed is flipped on the vertical axis.

Changing the Resolution

You can change the resolution of the camera. This can be useful, for example, when there is a long delay regarding data transmission; i.e. the camera takes a long time to react to the movement commands you issue via the **ProHomeIPC-App**. In such cases, it may be advantageous to reduce the resolution of the live image being transmitted.

• More detailed information on this subject is available in Section **What To Do When Problems Arise**.



1. Touch the **Video Quality** button.
2. Touch the setting required.

• Repeat this step until the camera reacts to the movement commands issued via the **ProHomeIPC-App** without any delay.

Adapting to Environmental Conditions

You can adapt the camera settings to the environmental conditions of the area under surveillance.



1. Touch the **EnvironmentMode** button.
2. Touch the required setting depending on whether the area under surveillance is bright or dark.

Start Screen of the ProHomeIPC-App

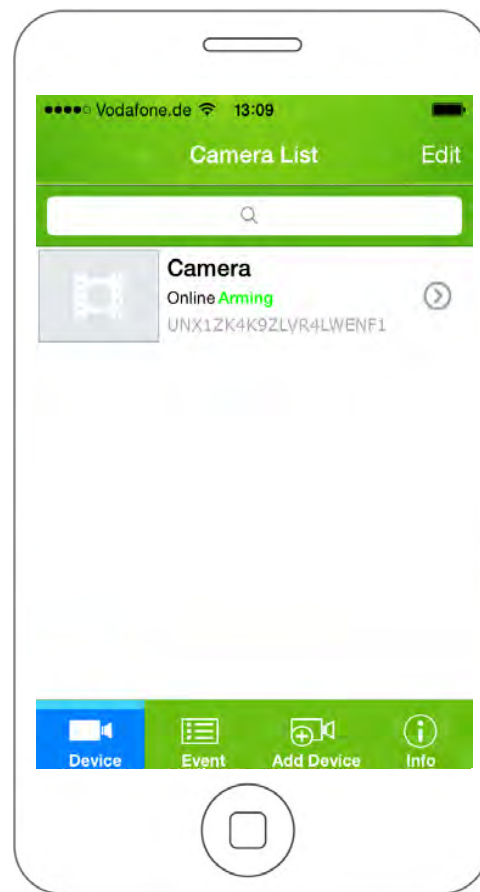
When a camera has been found and integrated successfully in the **ProHomeIPC-App**, the corresponding camera is displayed on the start screen.

All the cameras integrated in the **ProHomeIPC-App** are displayed in this view.

We recommend that you assign each camera connected an unambiguous name (refer to Section **Names**).

You are provided with detailed information on

- ➔ the unambiguous user identifier (**UID**) of the camera,
- ➔ the name (designation) of the camera,
- ➔ the monitoring status of the camera,
- ➔ the alarm preset status of the camera.



Context Menu of the ProHomeIPC-App

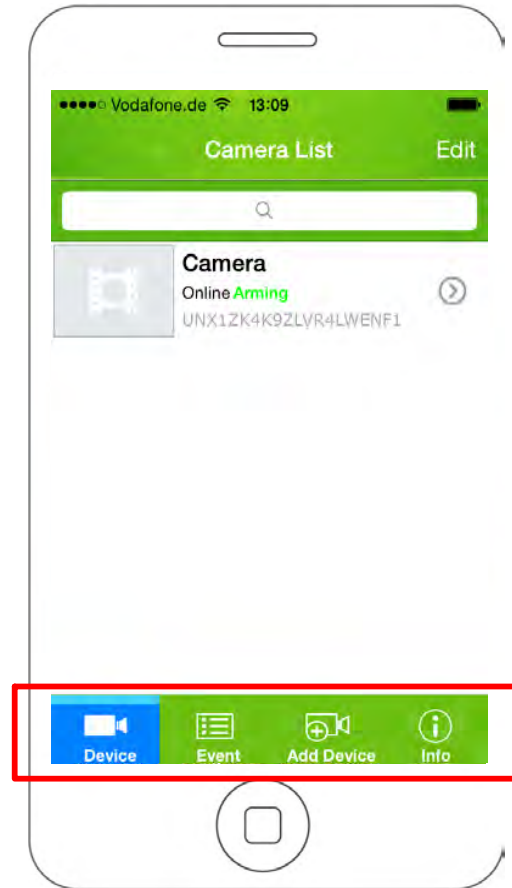
At the bottom edge of the start screen are four buttons which can be used to complete different settings and functions.

- ➔ **Device**
- ➔ **Event**
- ➔ **Add Device**
- ➔ **Info**

1. Touch the respective button to define the setting or start the function.

The settings or functions assigned to the individual buttons are described in the following sections.

The following adjustments to the settings only affect the camera selected. Information on particular, individual features is provided at the respective point.

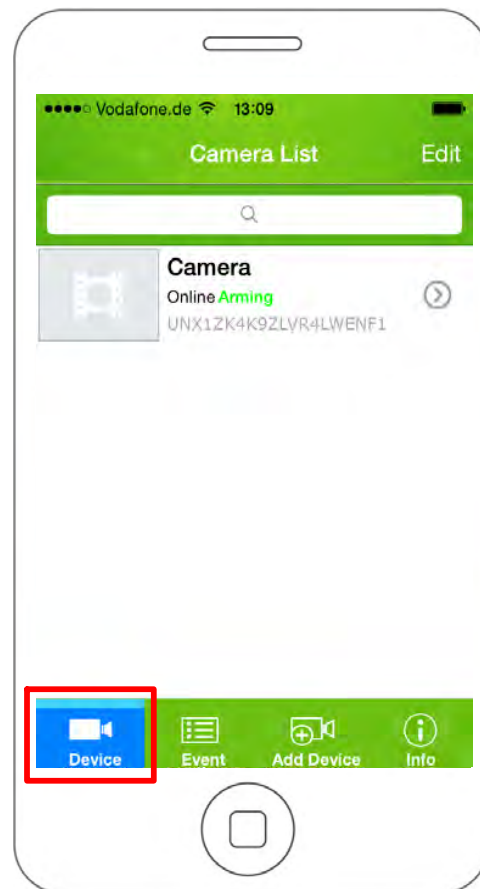


Camera List

The **Device** button is active when you open the **ProHomeIPC-App**.

1. Touch **Device**. A list of all the cameras integrated in your camera app is displayed.

If you touch one of the cameras listed, the live image from the camera selected is displayed. You can use the buttons in the menu bar (see **Buttons in the Menu Bar**).



Event

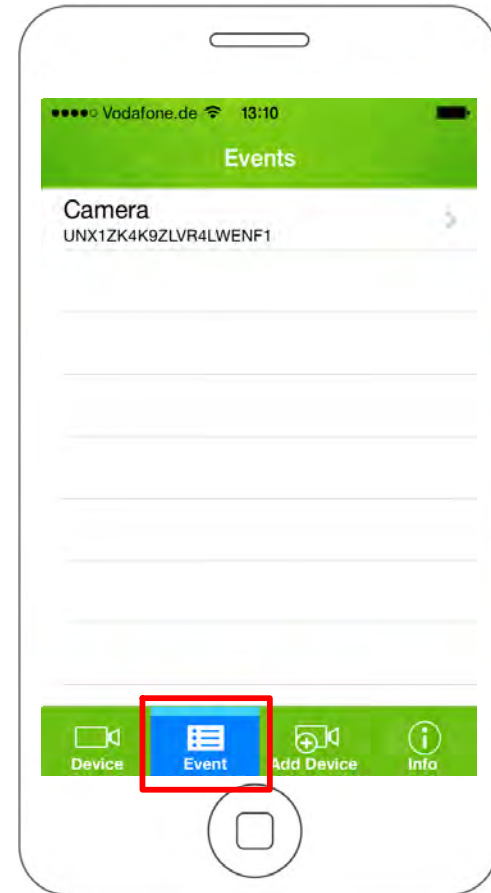
This option enables you to display a list of events which the camera has recorded and saved in chronological order.

1. Touch **Event**.
2. Touch the camera whose recorded events you want to display.

If no event has (yet) been recorded, the **No result found** message appears.

You can define specific periods of time in the chronological list of events in order to limit the events displayed to a certain time range.

3. Touch **Search**.
4. Touch the period of the events which should be displayed.
5. All the events related to the time period selected are displayed.

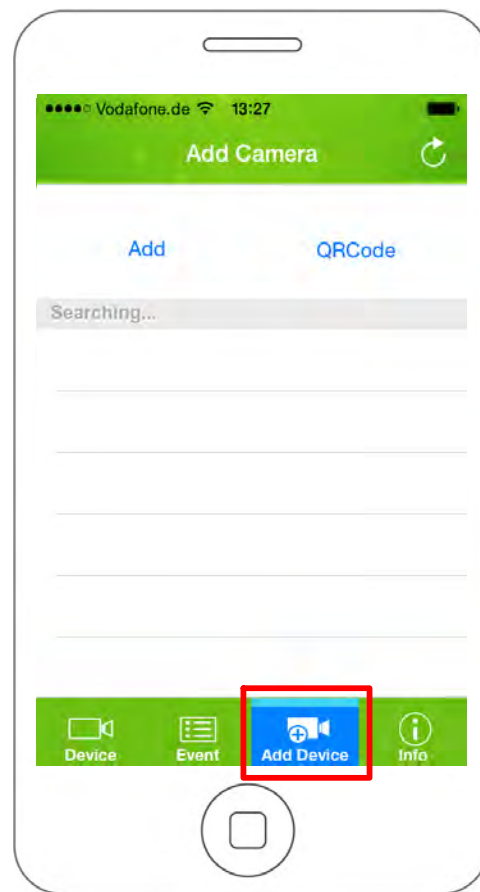


Add Camera

You have the possibility of connecting new cameras using the **ProHomeIPC-App**.

All the cameras connected are displayed on the start screen.

1. Touch **Add Device**.



QR Code

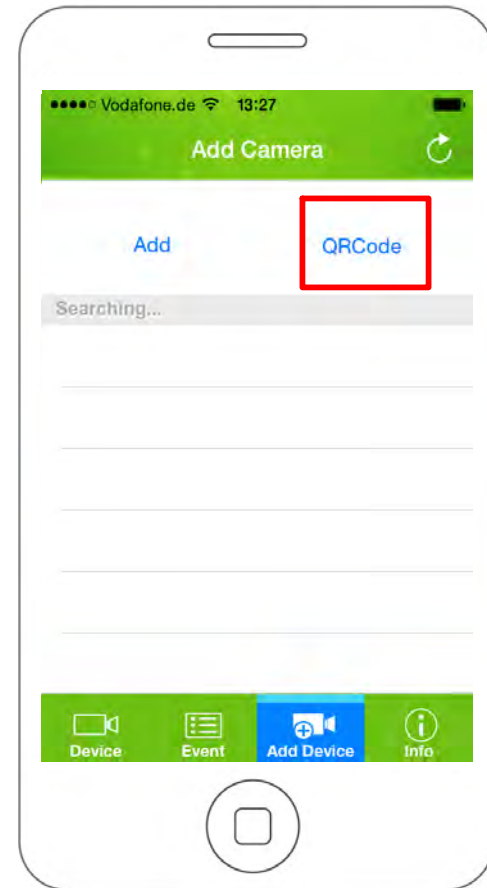
1. Touch **QRCode**.
2. Scan the QR code on the rear of the camera using your smartphone or tablet PC.
3. Enter the camera's password.

● When the default settings are set, the password is **admin**.

4. Save the settings by touching **Save**.

Your camera is now listed in the overview of cameras available.

● The first time you attempt to select your camera, you will be requested to change the camera's password for reasons of security. Change the camera's password in order to prevent unauthorised access to your camera, and thus your privacy, by third parties.



Automatic Search

The **ProHomeIPC-App** automatically searches for all the cameras available in the network. If your smartphone or tablet PC is connected within the same network as the camera, the camera is displayed (together with the unambiguous user identifier (**UID**) and IP address).

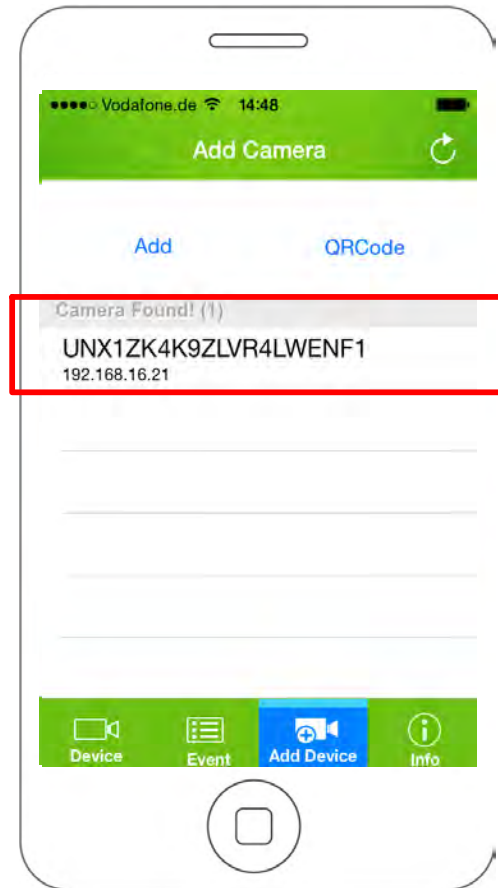
1. Touch the camera displayed.
2. Enter the camera's password.

i When the default settings are set, the password is **admin**.

3. Save the settings by touching **Save**.

Your camera is now listed in the overview of cameras available.

i The first time you attempt to select your camera, you will be requested to change the camera's password for reasons of security. Change the camera's password in order to prevent unauthorised access to your camera, and thus your privacy, by third parties.



Connecting Manually

You can also connect your camera to the **ProHomeIPC-App** manually.

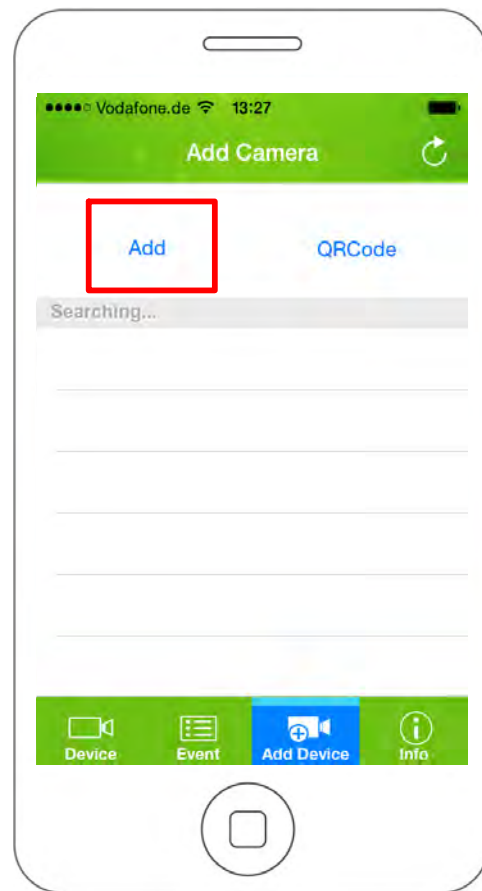
1. Touch **Add**.

The user identifier (**UID**), the name and password are on the rear of the camera.

2. Enter the user identifier (**UID**), the name and password of the camera.

Your camera is now listed in the overview of cameras available.

- **i** The first time you attempt to select your camera, you will be requested to change the camera's password for reasons of security. Change the camera's password in order to prevent unauthorised access to your camera, and thus your privacy, by third parties.



Information

It is possible to display detailed information on the version of the **ProHomeIPC-App**.

The version information changes each time the app is updated.

1. Touch **Info**. Information on the current version of the **ProHomeIPC-App** is displayed.



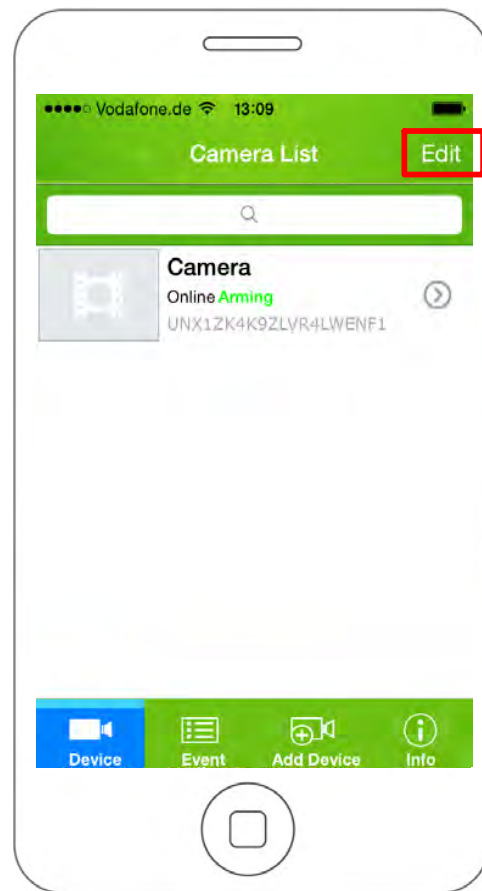
Remove Camera

It is possible to delete individual cameras from the **ProHomeIPC-App**.

All personally defined settings are stored locally on the camera. If you want to reconnect cameras deleted from the list to your smartphone or tablet PC at a later point in time, the personally defined settings are reactivated.

i This does not apply if the settings have been defined on another smartphone or tablet PC. The modified settings are activated in such cases.

1. Touch **Edit**.
2. Touch the **Delete icon** and then the **Delete** option.
The camera selected is deleted.
3. Touch **Done**. The start screen reappears.



Edit Camera

You can use this menu to define the various functions and settings which control the way in which the camera behaves.

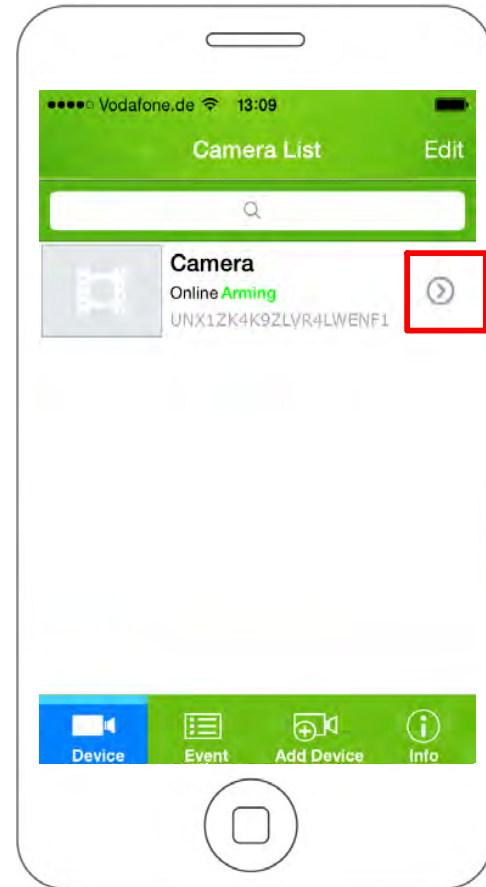
The **Settings** menu is arranged into four areas.

- ➔ Device Setting
- ➔ Advanced Setting
- ➔ **Alarm Setting**
- ➔ **Time Setting**

1. Touch the arrow to the right beside the required camera.

The following settings only affect the respective camera selected. Information on particular, individual features is provided at the respective point.

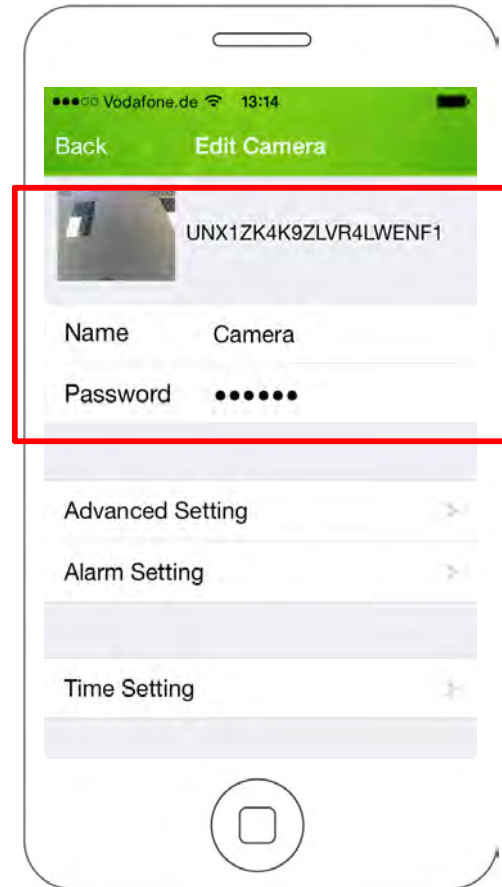
Some menus contain entries behind which is a small arrow. If you touch this arrow, a list with various options opens. Touch the required entry to select it.



Device Setting

This menu option provides information on

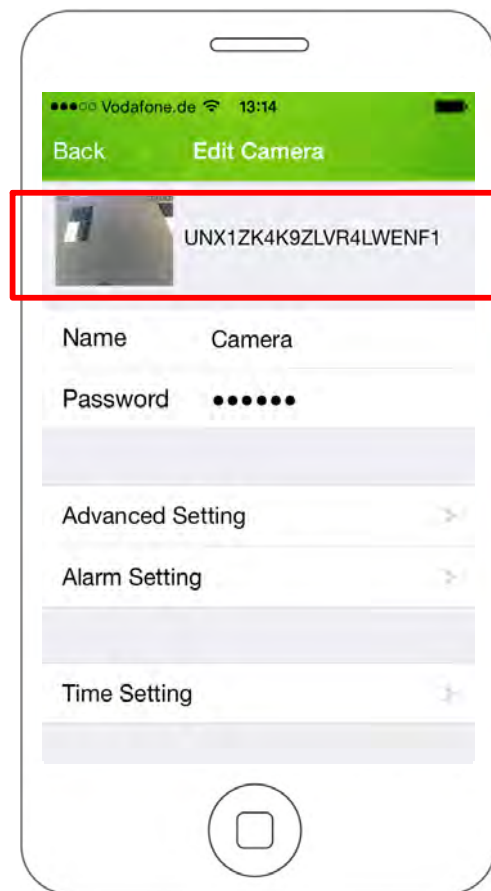
- ➔ the unambiguous user identifier (**UID**),
- ➔ the name of the camera,
- ➔ the camera's password.



User Identifier (UID)

The camera's user identifier (UID) serves to identify the camera unambiguously within the network.

i The user identifier cannot be changed.



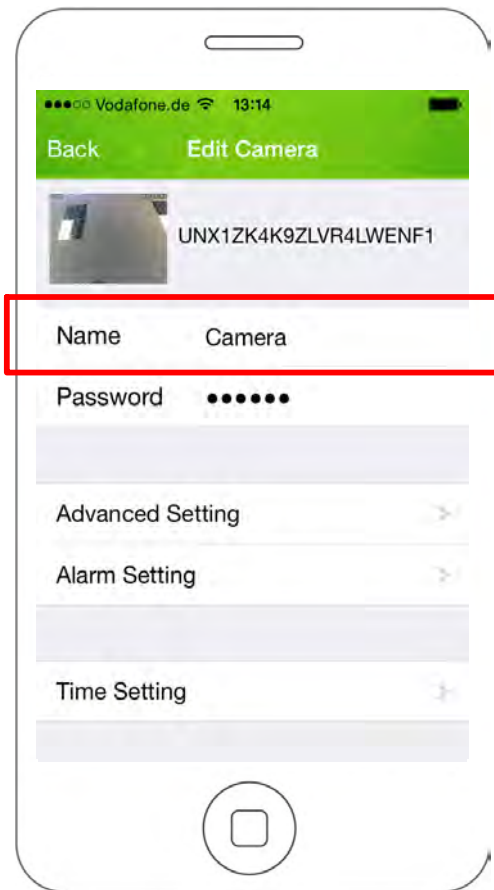
Name

The name of the camera is displayed on the **ProHomeIPC-App** start screen.

This enables you to simplify the assignment of your camera if you have connected several cameras to the **ProHomeIPC-App**.

i You should assign each camera an unambiguous name, such as **Living room**, **Office** or **Workshop**.

1. Touch the field beside the **Name** option.
2. Change the name of the camera.

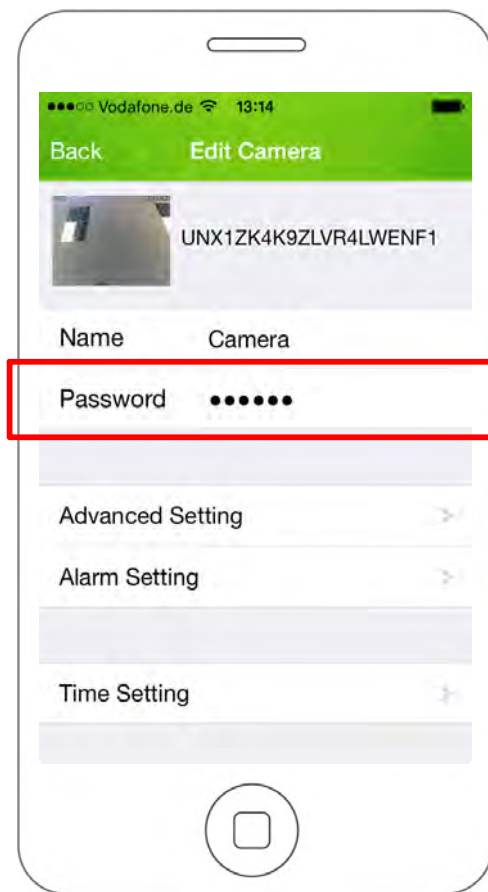


Password

The camera password protects the camera from access by unauthorised third-parties.

- For reasons of security, we recommend that you change the camera's password when you put the camera into operation for the first time (refer to **Security Settings**).

For reasons of security, the characters entered are encrypted.



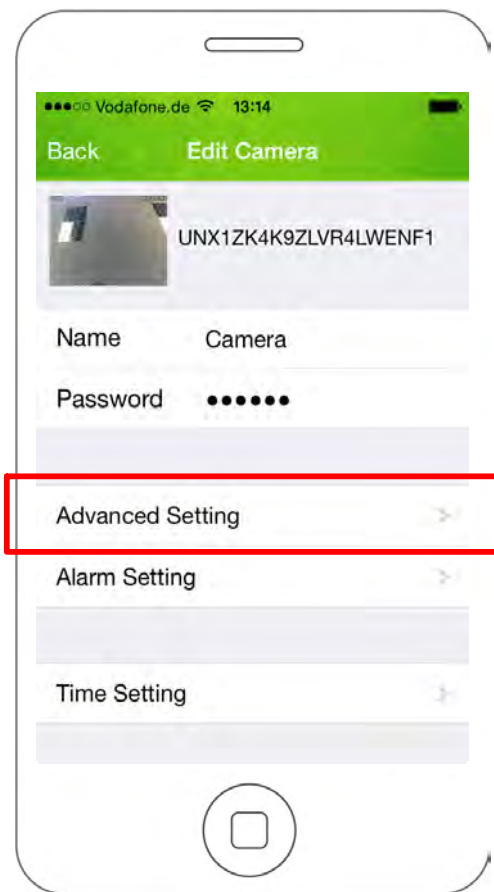
Advanced Setting

This option provides various functions and settings with which you can define how the camera behaves according to your own individual requirements.

The **Advanced Setting** menu is arranged into four areas.

- ➔ **Security Code**
- ➔ **WiFi**
- ➔ **SDCard**
- ➔ **About Device**

1. Touch **Advanced Setting**.



Security Code

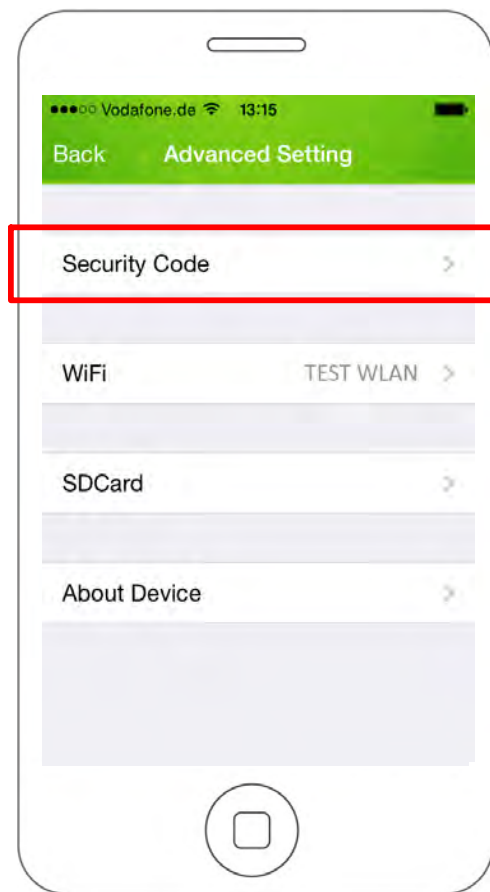
You have the option of changing your camera's security code. The camera's security code protects the camera data from access by unauthorised third-parties.

i For reasons of security, we recommend that you change the camera security code when you put the camera into operation for the first time.

1. Touch **Security Code** in the **Advanced Setting** menu.
2. Enter the existing security code.

i When the default settings are set, the security code is **admin**.

3. Enter the new security code.
4. Enter the new security code again.
5. Save the settings by touching **OK**.



WiFi

You can connect the camera to a wireless network.

If the camera is already connected to a wireless network (WLAN), refer to the name of the connected network beside the **WiFi** option.

In this example, the name is **TEST WLAN**.

1. Touch **WiFi** in the **Advanced Setting** menu.
2. Touch the arrow on the right to open a list containing all the wireless networks available in the vicinity.
3. Touch the network to which you want to connect your camera.
4. Enter the **WiFi password** of the network selected. For security reasons, the characters of the password appear encrypted.
5. Save the settings by touching **OK**.



Formatting the SD Card

The internal memory of the camera has a memory capacity of 8 Gb.

You should format the SD card if you transfer the camera to third-parties or need to hand it over for any reason. This ensures that your private recordings and photos do not get into unauthorised hands.

1. Touch **SDCard** in the **Advanced Setting** menu.
2. Touch **SDCard** and confirm the prompt. The internal memory is formatted.

All the data stored on the SD card is deleted.



About Device

This menu provides detailed information on your camera.

This area displays

- ➔ the name (designation) of the camera,
- ➔ the firmware version on the camera,
- ➔ the camera manufacturer,
- ➔ the total memory capacity of the SD card,
- ➔ the remaining memory capacity on the SD card.

1. Touch **About Device** in the **Advanced Setting** menu.

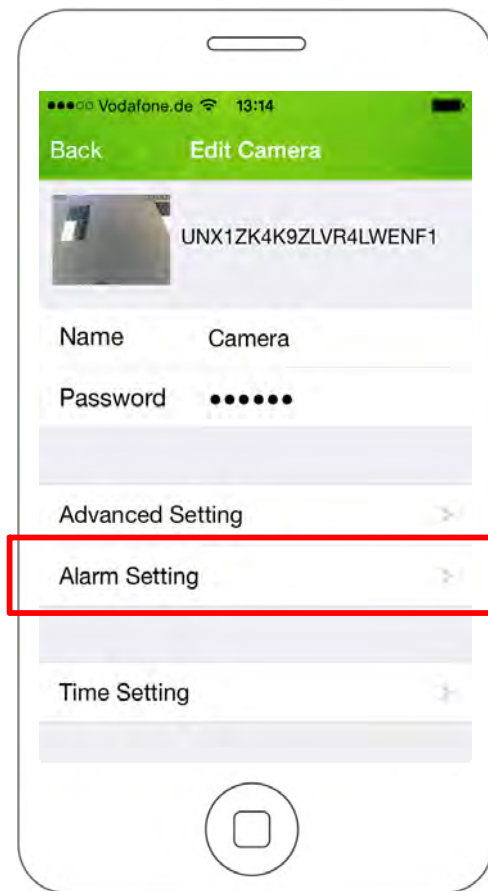


Alarm Setting

Adapt the alarm settings of the camera and the **ProHomeIPC-App** as required.

1. Touch **Alarm Setting**.

Your smartphone or tablet PC can be set-up to issue an acoustic signal when the camera detects a movement. To do this, activate the Push Notification option in the **ProHomeIPC-App** in the settings options provided in smartphone or tablet PC.

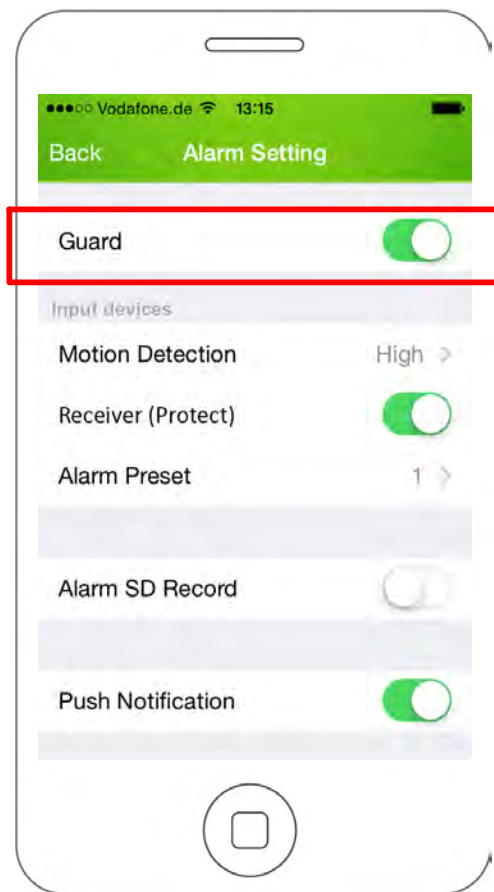


Alarm Switch

This option is used to define whether surveillance by the camera should be activated or not. If the surveillance function is active, a recording is made of the area under surveillance and you are alerted to an alarm situation by an acoustic alarm and Push Notification on your smartphone or tablet PC according to the settings defined.

1. Touch the **Switch icon** beside the **Guard** option. The **Switch icon** indicates it is **ON**.

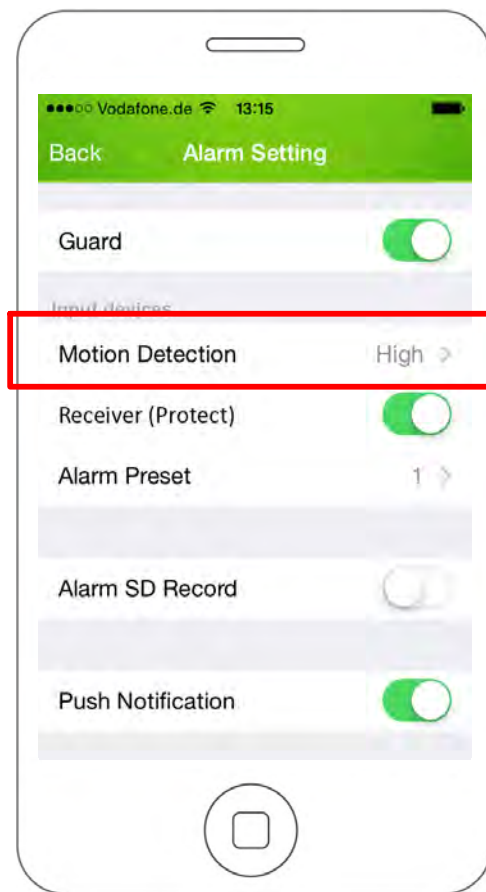
i To avoid false alarms, we recommend deactivating the guard when you are at home yourself or, according to your knowledge, other persons are permanently in the area under surveillance.



Motion Detection

You can select from the list how sensitive the camera should react to movements in the area under surveillance. In the case of a static image, we recommend the **High** setting, in the case of possibly recurrent movements (such as a pet or clouds), we recommend the **Medium** or **Low** setting in order to prevent false alarms.

1. Touch **Motion Detection** in the list.
2. Touch the setting required. The setting is saved.



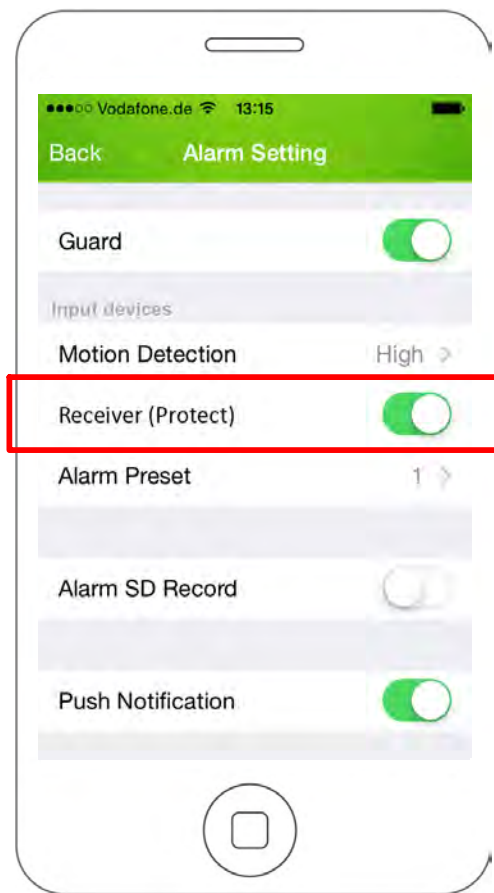
Receiver (Protect)

If you want to integrate the camera in an alarm system (Protect Series 6xxx / 9xxx alarm system from Olympia), you must use the receiver supplied.

When you want to activate the receiver, make sure the receiver is connected to the camera and has been registered on the alarm system (see Section **Installing the Camera**).

1. Touch the **Switch icon** beside the **Receiver (Protect)** option. The **Switch icon** indicates it is **ON**.

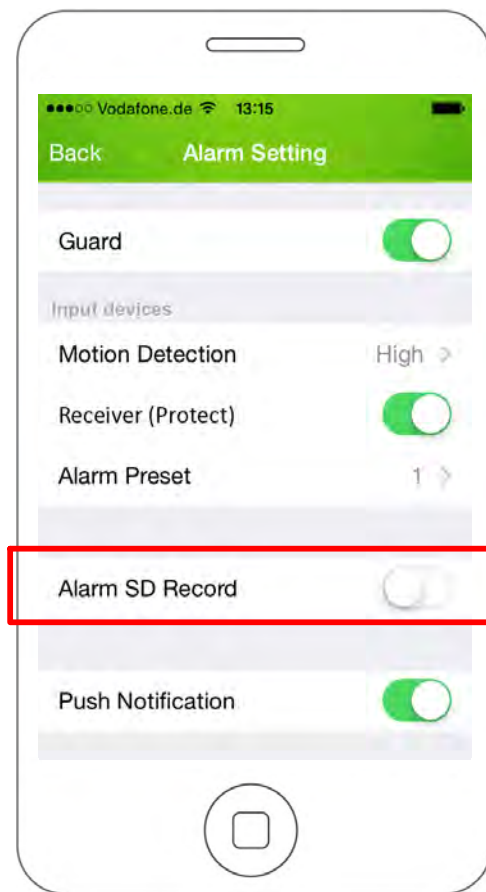
When this function is activated, the camera receives a signal from the alarm system in the event of an alarm. Your camera starts to make a video recording of the area under surveillance and, at the same time, sends a push notification to your smartphone or tablet PC.



Recording on the SD Card

You can use this option to define whether your recordings should be stored on the internal SD card.

1. Touch the **Switch icon** beside the **Alarm SD Record** option. The **Switch icon** indicates it is **ON**.



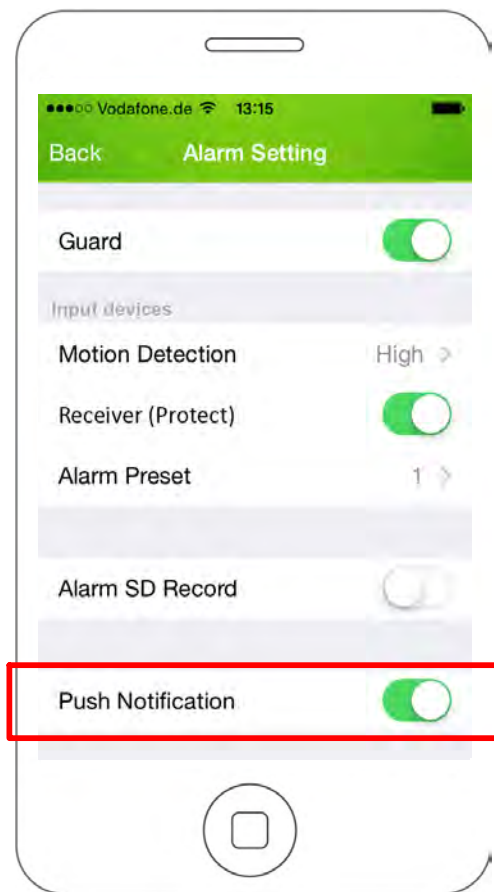
Push Notification

You can use this option to define whether the **ProHomeIPC-App** push notifications should be sent to your smartphone or tablet PC when the camera detects movements or the alarm system connected is triggered.

A condition for the successful activation of this function is that the transmission of push notifications has been enabled in the system settings on the smartphone or tablet PC. More detailed information is provided in the operating manual supplied with your smartphone or tablet PC.

The transmission of push notifications also functions when the **ProHomeIPC-App** is not running in the background but has been terminated.

1. Touch the **Switch icon** beside the **Push Notification** option. The **Switch icon** indicates it is **ON**.

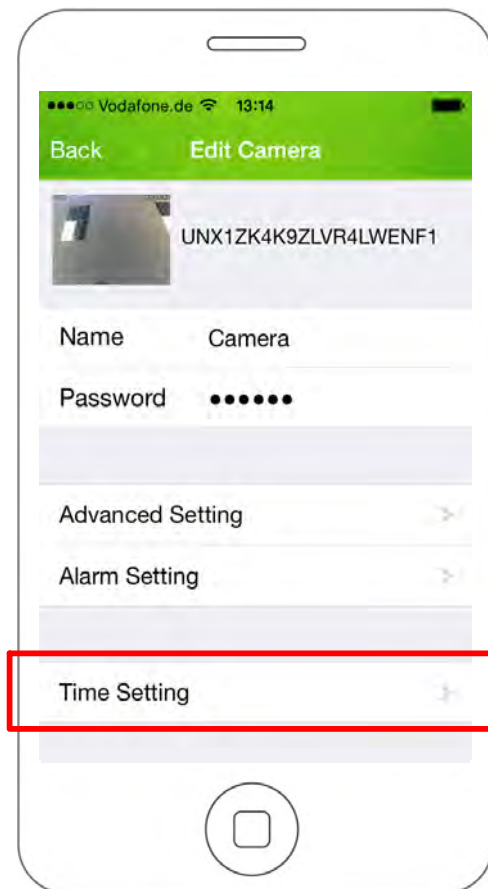


Time Setting

This option provides information and functions regarding the time settings used.

1. Touch **Settings** in the **Time Setting** menu.
2. Define the respective settings as required.

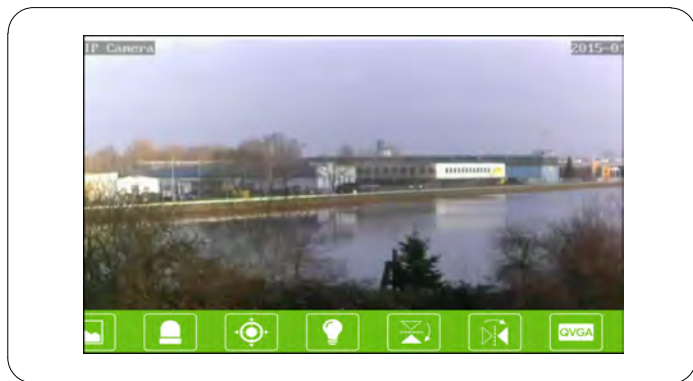
When the default settings are active, the time and date stamp displayed in the live image reflect the time and date provided by the network connected.



Operating the Camera (Android)

Opening the Menu Bar

Touch your finger on the smartphone or tablet PC screen. A menu bar opens at the bottom edge of the screen.



A function is assigned to each button in the menu bar. Touch one of the buttons to activate the function or, if necessary, define settings.

Buttons in the Menu Bar

This section provides information on which functions are assigned to the buttons in the menu bar while a live picture is on screen and what you can do with them.

Snapshots

You can take a photo of the live image currently scanned by the camera.



1. Touch the **Snapshot** button. The live image currently displayed is saved as a snapshot. The **Snapshot successfully** message appears in the display.

When the default settings are set, the snapshots are saved locally on the smartphone or tablet PC. You can also save your snapshots on the camera. More detailed information is provided in Section **Recording on the SD Card**.



2. Touch the button to open an overview of the snapshots taken.

Activating Night Vision

If the brightness of the area being monitored falls below a certain level, the infrared LEDs are automatically activated.

The infrared LEDs serve as a residual light amplifier so that the area monitored is illuminated sufficiently despite the dark and can continue to be monitored. The live image displayed appears in black and white.



1. Touch the **Infrared switch** button.



2. Touch this button to activate automatic night vision.



3. Touch this button to deactivate automatic night vision.

Flipping the Image Section Horizontally

You can flip (mirror) the live image displayed on the horizontal axis. This is useful, for example, if you want to install your camera on a ceiling using the holding bracket.



1. Touch the **Flip horizontal** button. The current live image displayed is flipped on the horizontal axis.

Flipping the Image Section Vertically

You can flip (mirror) the live image displayed on the vertical axis. This can be useful, for example, when the camera is mounted in such a way that parts of the area under surveillance lie in a blind spot.



1. Touch the **Flip vertical** button. The current live image displayed is flipped on the vertical axis.

Changing the Resolution

You can change the resolution of the camera. This can be useful, for example, when there is a long delay regarding data transmission; i.e. the camera takes a long time to react to the movement commands you issue via the **ProHomeIPC-App**. In such cases, it may be advantageous to reduce the resolution of the live image being transmitted.

i More detailed information on this subject is available in Section **What To Do When Problems Arise**.



1. Touch the **Video Quality** button.
2. Touch the setting required.

i Repeat this step until the camera reacts to the movement commands issued via the **ProHomeIPC-App** without any delay.

Adapting to Environmental Conditions

You can adapt the camera settings to the environmental conditions of the area under surveillance.



1. Touch the **Environment Mode** button.
2. Touch the required setting depending on whether the area under surveillance is bright or dark.

Start Screen of the ProHomeIPC App

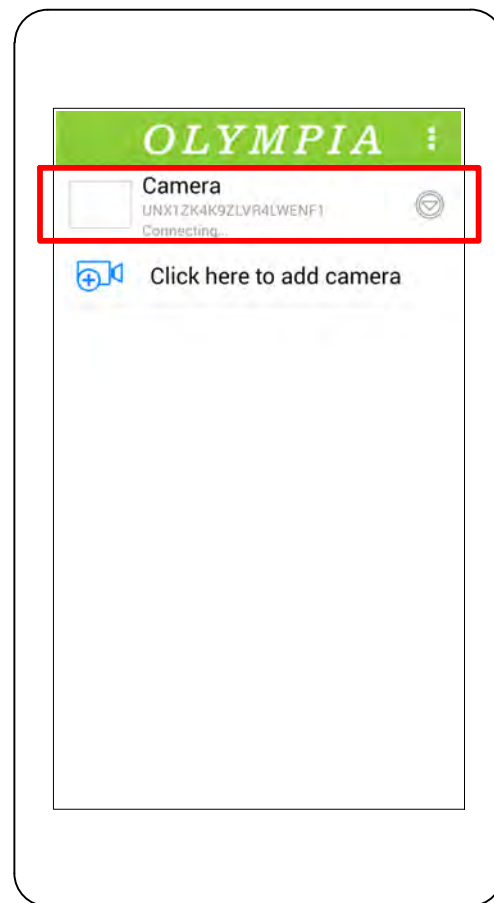
When a camera has been found and integrated successfully in the **ProHomeIPC-App**, the corresponding camera is displayed on the start screen.

All the cameras integrated in the **ProHomeIPC-App** are displayed in this view.

We recommend that you assign each camera connected an unambiguous name (refer to Section **Names**).

You are provided with detailed information on

- ➔ the unambiguous user identifier (**UID**) of the camera,
- ➔ the name (designation) of the camera,
- ➔ the monitoring status of the camera,
- ➔ the alarm preset status of the camera.

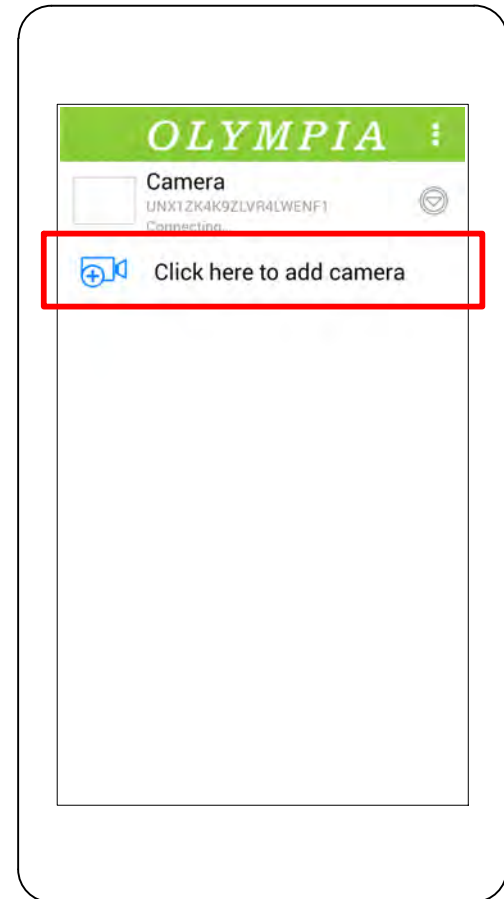


Add Device

You have the possibility of connecting more cameras by means of different processes using the **ProHomeIPC-App**.

All the cameras connected are displayed on the start screen.

1. Touch **Click here to add camera**.

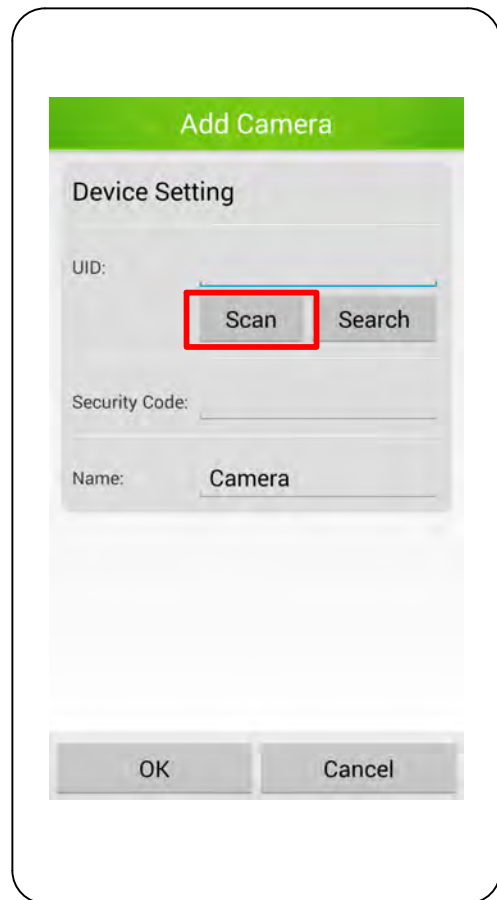


QR Code

1. Touch **Scan**.
 2. Scan the QR code on the rear of the camera using your smartphone or tablet PC.
 3. Enter the camera's security code (password).
- When the default setting are set, the security code is **admin**.
4. Save the settings by touching **OK**.

Your camera is now listed in the overview of cameras available.

- The first time you attempt to select your camera, you will be requested to change the camera's security code for reasons of security. Change the camera's security code in order to prevent unauthorised access to your camera, and thus your privacy, by third parties.



Automatic Search

The **ProHomeIPC-App** automatically searches for all the cameras available in the network. If your smartphone or tablet PC is connected within the same network as the camera, the camera is displayed (together with the unambiguous user identifier (**UID**) and IP address).

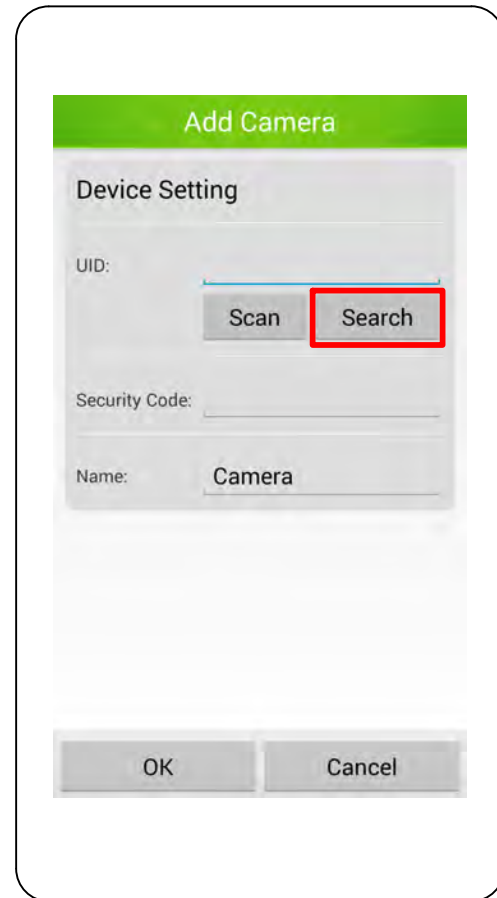
1. Touch **Search**.
2. Touch the camera required.
3. Enter the camera's security code.

i When the default settings are set, the security code is **admin**.

4. Save the settings by touching **OK**.

Your camera is now listed in the overview of cameras available.

i The first time you attempt to select your camera, you will be requested to change the camera's security code for reasons of security. Change the camera's security code in order to prevent unauthorised access to your camera, and thus your privacy, by third parties.



Connecting Manually

You can also connect your camera to the **ProHomeIPC-App** manually.

1. Enter the user identifier (**UID**), the security code and name of the camera.

The user identifier (UID), name and security code are on the rear of the camera.

2. Save the settings by touching **OK**.

Your camera is now listed in the overview of cameras available.

- **i** The first time you attempt to select your camera, you will be requested to change the camera's security code for reasons of security. Change the camera's security code in order to prevent unauthorised access to your camera, and thus your privacy, by third parties.

The screenshot displays the 'Add Camera' interface. At the top is a green header with the text 'Add Camera'. Below it is a 'Device Setting' section. This section contains three input fields, each highlighted with a red rectangular box: 'UID:', 'Security Code:', and 'Name:'. The 'Name:' field contains the text 'Camera'. Below these fields are two buttons labeled 'Scan' and 'Search'. At the bottom of the screen, there are two buttons labeled 'OK' and 'Cancel'.

Context Menu of the Camera

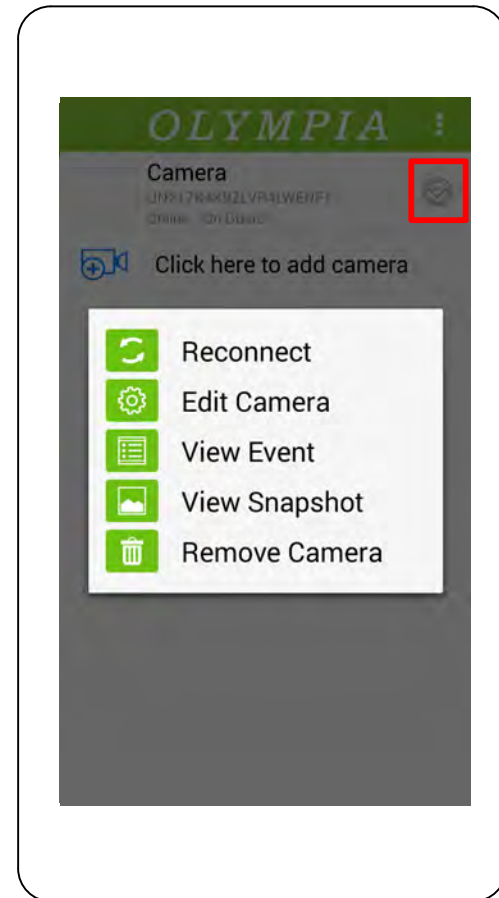
You can use the start screen to open the context menu of the connected cameras individually.

1. Touch the arrow to the right of the camera name to open the respective context menu. The context menu is opened.

The context menu contains five options. The individual options are described in the following sections.

- ➔ **Reconnect**
- ➔ **Edit Camera**
- ➔ **View Event**
- ➔ **View Snapshot**
- ➔ **Remove Camera**

The following adjustments to the settings only affect the camera selected. Information on particular, individual features is provided at the respective point.

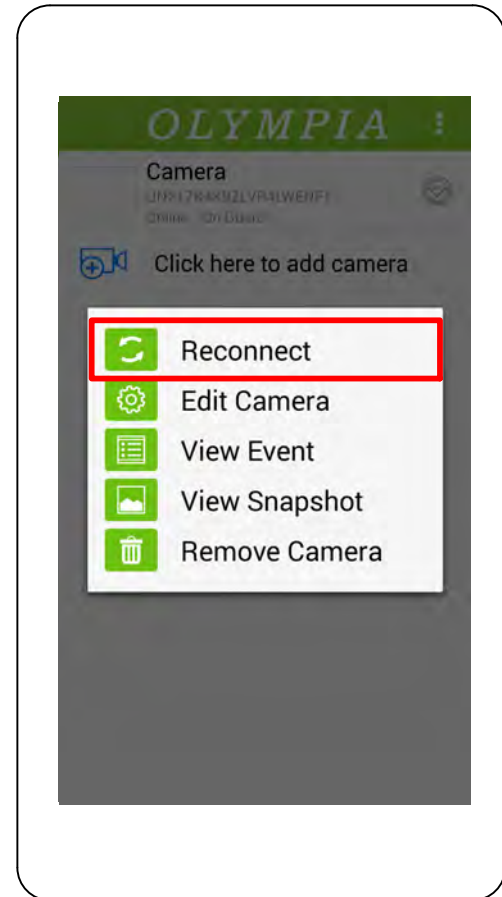


Reconnect

Should problems arise involving the connection, you can connect the camera again using the **ProHomeIPC-App**.

1. Touch **Reconnect**. The camera selected is reconnected.

You cannot access the camera while this process is in progress.



View Event

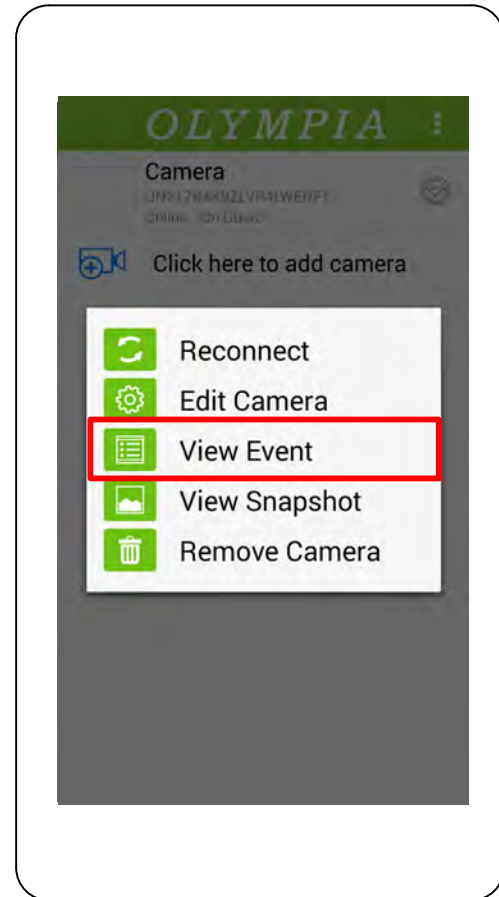
This option enables you to display a list of events which the camera has recorded and saved in chronological order.

1. Touch **View Event**.

If no event has (yet) been recorded, the **No result found** message appears.

You can define specific periods of time in the chronological list of events in order to limit the events displayed to a certain time range.

2. Touch the **magnifying glass icon** at the top right.
3. Touch the required time period for the events.
4. All the events related to the time period selected are displayed.



View Snapshot

This option enables you to display a list of snapshots which you have taken with the camera and saved in chronological order.

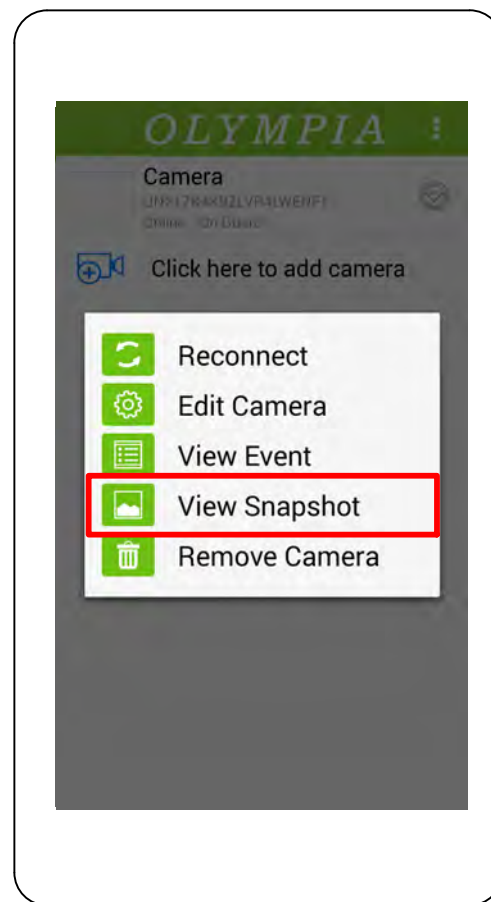
1. Touch **View Snapshot**. A list of the snapshots available is displayed.

If no snapshot has (yet) been recorded, the **No snapshot found** message appears.

2. Touch one of the snapshots. The snapshot selected appears in a full screen display.

You can delete the selected snapshots from the collection saved.

3. Touch the **waste bin** icon.
4. Confirm the prompt by touching **Yes**. The snapshot selected is deleted.



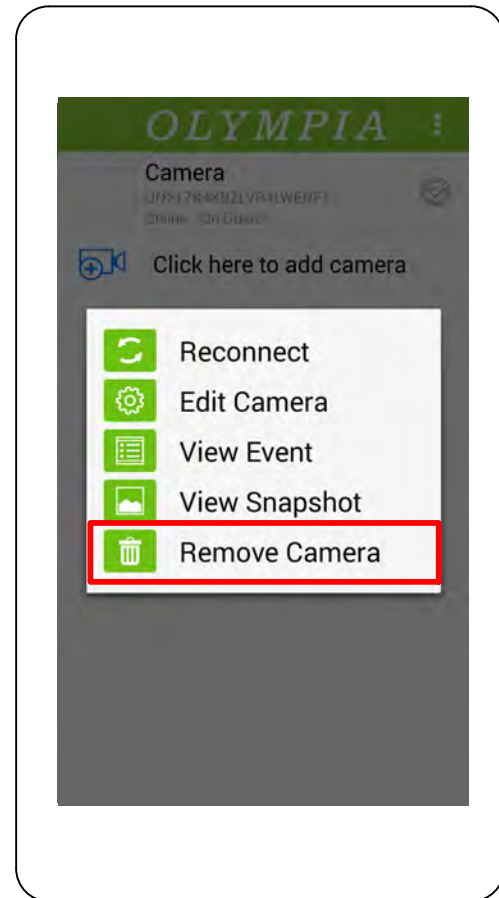
Remove Camera

It is possible to delete individual cameras from the **ProHomeIPC-App**.

All personally defined settings are stored locally on the camera. If you want to reconnect cameras deleted from the list to your smartphone or tablet PC at a later point in time, the personally defined settings are reactivated.

i This does not apply if the settings have been defined on another smartphone or tablet PC. The modified settings are activated in such cases.

1. Touch **Remove Camera**.
2. Confirm the prompt by touching **OK**.
The camera selected is deleted.



Edit Camera

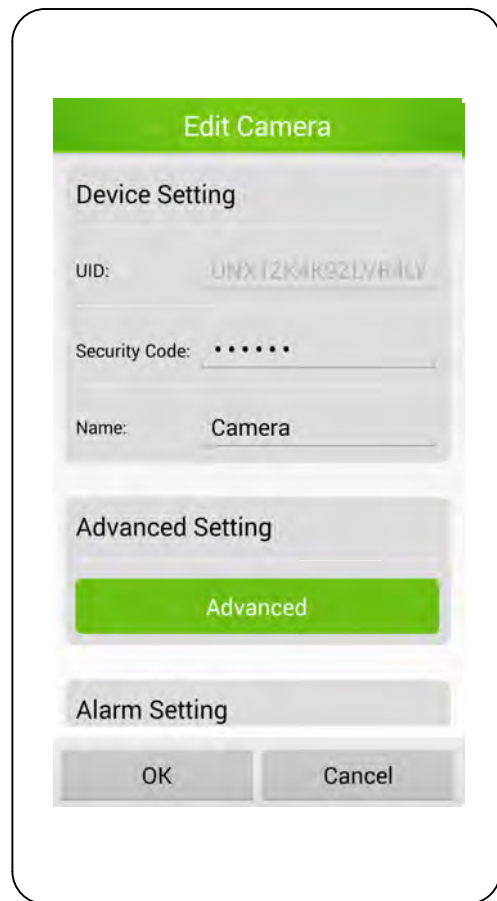
You can use this menu to define the various functions and settings which control the way in which the camera behaves.

The **Edit Camera** menu is arranged into four areas.

- ➔ **Device Setting**
- ➔ **Advanced Setting**
- ➔ **Alarm Setting**
- ➔ **Time Setting**

The following settings only affect the respective camera selected. Information on particular, individual features is provided at the respective point.

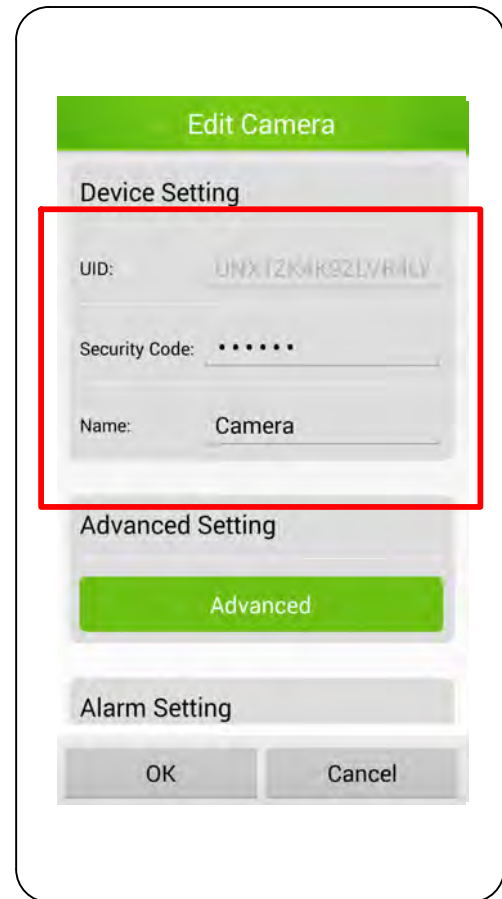
Some menus contain entries behind which is a small arrow. If you touch this arrow, a list with various options opens. Touch the required entry to select it.



Device Setting

This menu option provides information on

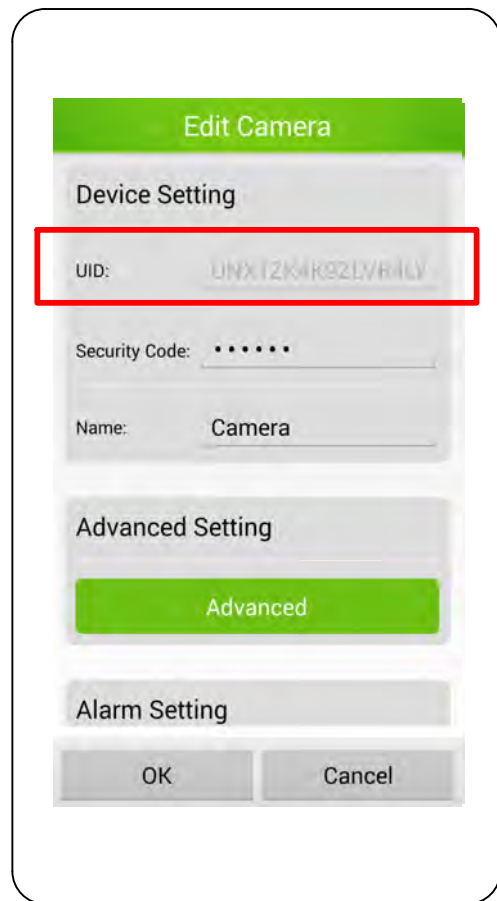
- ➔ the unambiguous user identifier (**UID**),
- ➔ the camera's security code,
- ➔ the name of the camera.



User Identifier (UID)

The camera's user identifier (UID) serves to identify the camera unambiguously within the network.

i The user identifier cannot be changed.

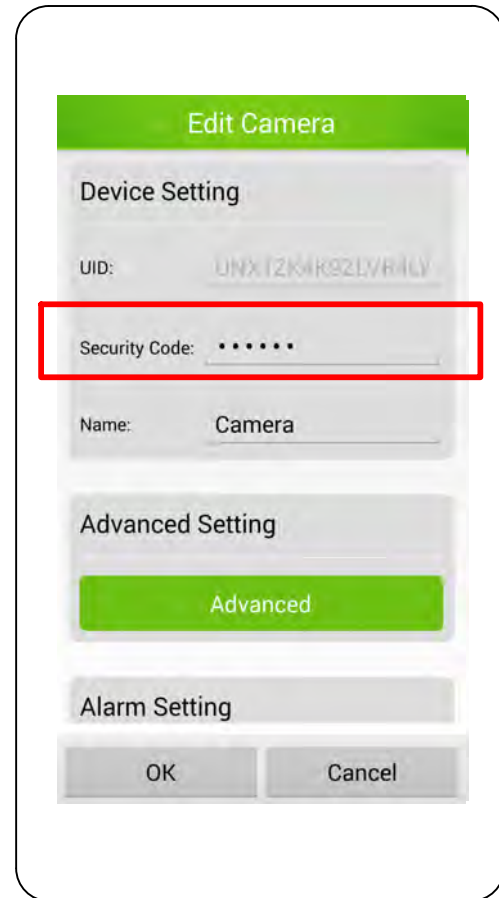


Security Code

The camera security code protects the camera from access by unauthorised third-parties.

i For reasons of security, we recommend that you change the camera's security code when you put the camera into operation for the first time (refer to **Security Settings**).

For reasons of security, the characters entered are encrypted.



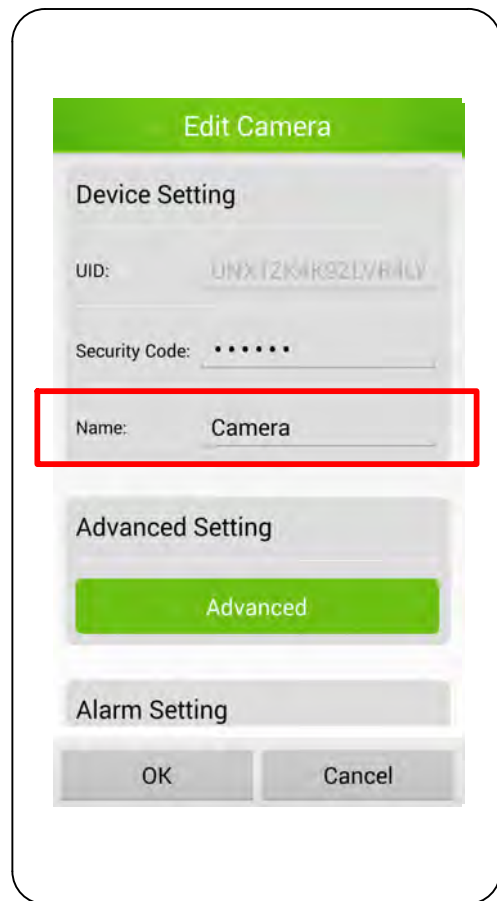
Name

The name of the camera is displayed on the **ProHomeIPC-App** start screen.

This enables you to simplify the assignment of your camera if you have connected several cameras to the **ProHomeIPC-App**.

i You should assign each camera an unambiguous name, such as **Living room**, **Office** or **Workshop**.

1. Touch the field beside the **Name** option.
2. Change the name of the camera.
3. Save the settings by touching **OK**.



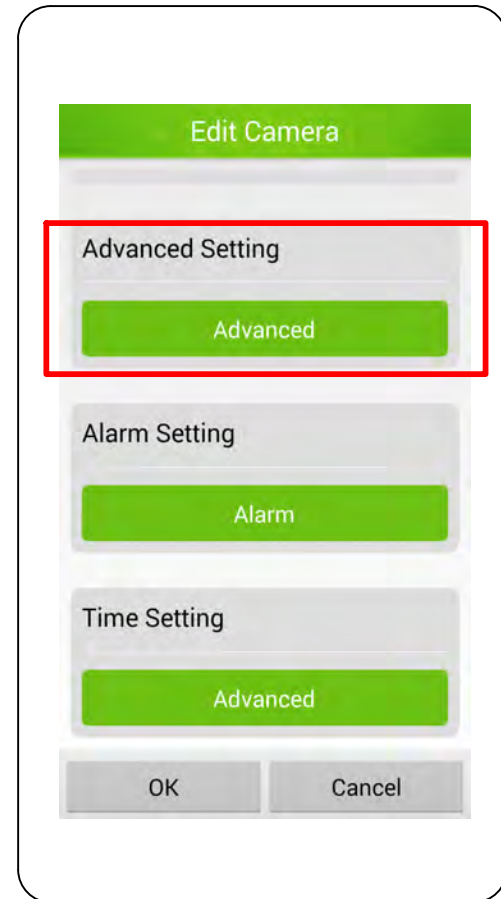
Advanced Setting

This option provides various functions and settings with which you can define how the camera behaves according to your own individual requirements.

The **Advanced Setting** menu is arranged into four areas.

- ➔ **Modify Security Code**
- ➔ **Wi-Fi Setting**
- ➔ Device information.

1. Touch **Advanced** in the **Advanced Setting** menu.



Security Code

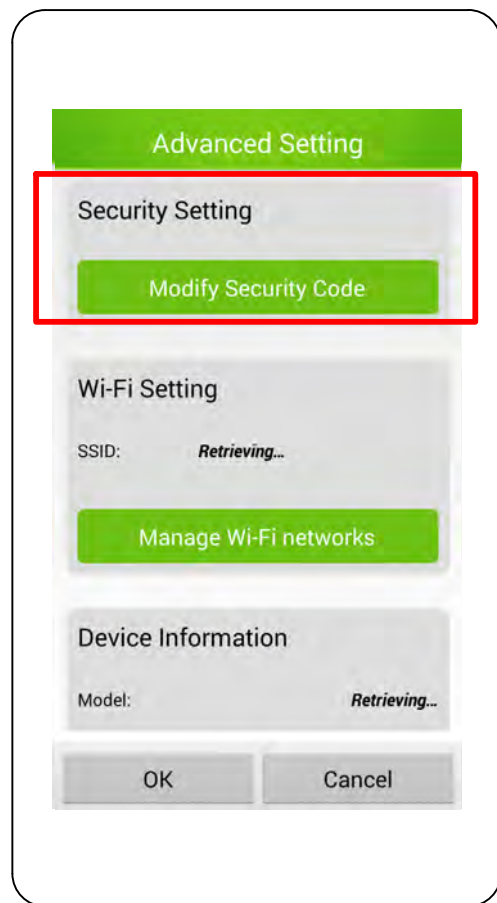
You have the option of changing your camera's security code (password). The camera security code protects the camera from access by unauthorised third-parties.

i For reasons of security, we recommend that you change the camera security code when you put the camera into operation for the first time.

1. Touch **Modify Security Code** in the **Security Setting** menu.
2. Enter the existing security code.

i When the default setting are set, the security code is **admin**.

3. Enter the new security code.
4. Enter the new security code again.
5. Save the settings by touching **OK**.



Wi-Fi Setting

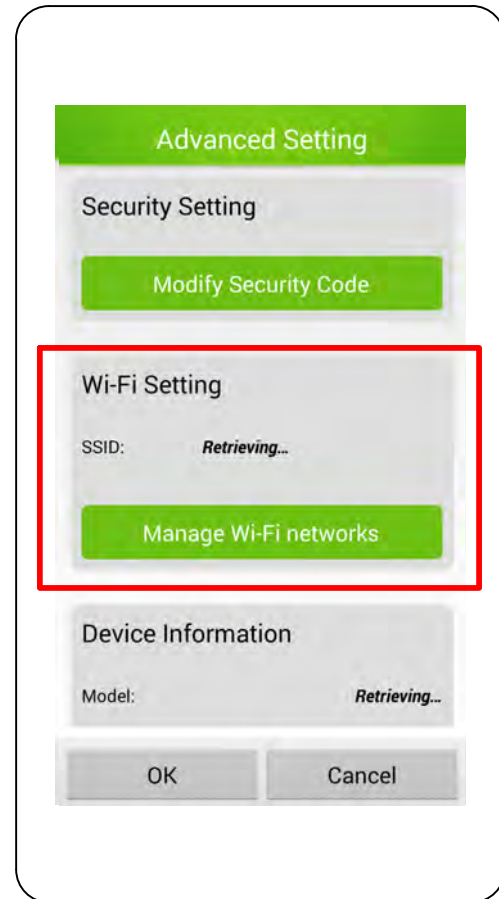
You can connect the camera to a wireless network.

If the camera is already connected to a wireless network (WLAN), refer to the name of the connected network in the middle of the marked area on the right. In this example, the name is **TEST-WLAN**.

1. Touch **Manage Wi-Fi networks** in the **Wi-Fi Setting** menu.
2. Touch the arrow on the right to open a list containing all the wireless networks available in the vicinity.
3. Touch the network to which you want to connect your camera.
4. Enter the **WiFi password** of the network selected. For security reasons, the characters of the password appear encrypted.

i If you select the checkbox beside **Show password**, the characters entered are displayed.

5. Save the settings by touching **OK**.



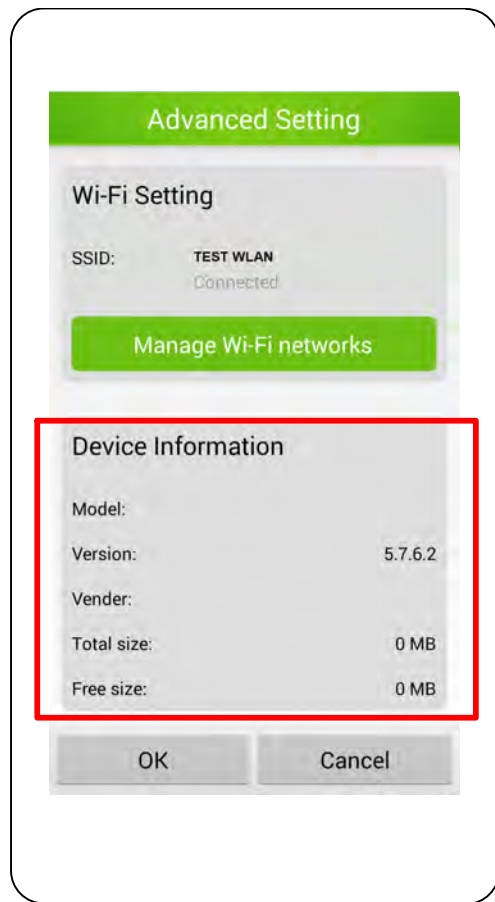
Device Information

This menu provides detailed information on your camera.

This area displays

- ➔ the name (designation) of the camera,
- ➔ the firmware version on the camera,
- ➔ the camera manufacturer,
- ➔ the total memory capacity of the internal SD card,
- ➔ the remaining memory capacity of the SD card.

No settings can be changed in this area.

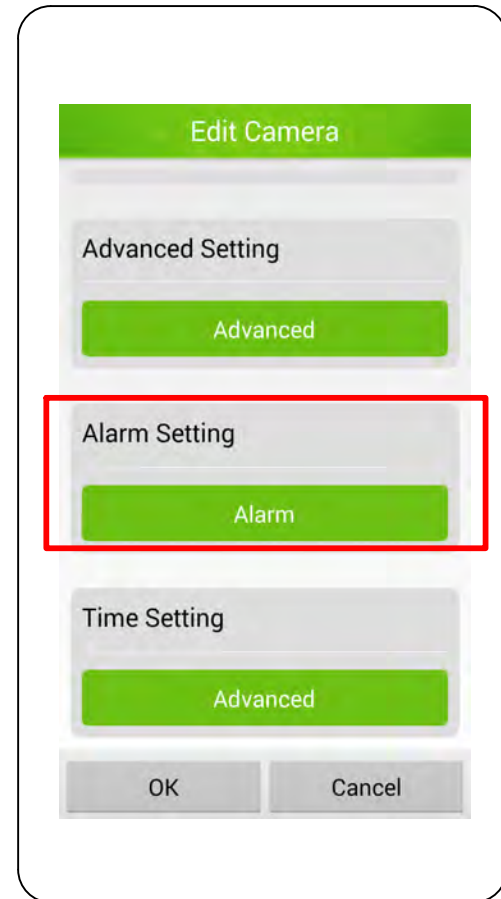


Alarm Setting

Adapt the alarm settings of the camera and the **ProHomeIPC-App** as required.

1. Touch **Alarm** in the **Alarm Setting** menu.

Your smartphone or tablet PC can be set-up to issue an acoustic signal when the camera detects a movement. To do this, activate the Push Notification option in the **ProHomeIPC-App** in the setting options provided in smartphone or tablet PC.

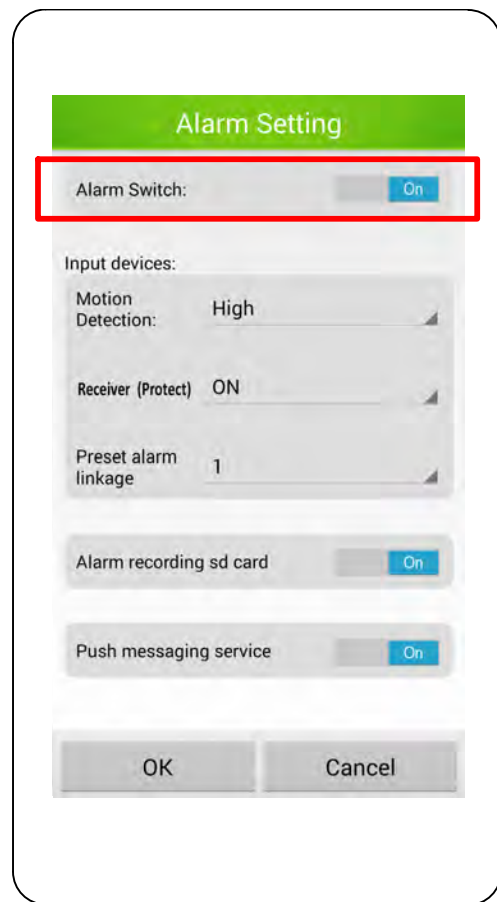


Alarm Switch

This option is used to define whether surveillance by the camera should be activated or not. If the surveillance function is active, a recording is made of the area under surveillance and you are alerted to an alarm situation by an acoustic alarm and Push Notification on your smartphone or tablet PC according to the settings defined.

1. Touch the **Switch icon** beside the **Alarm Switch** option. The **Switch icon** indicates it is **ON**.
2. Save the settings by touching **OK**.

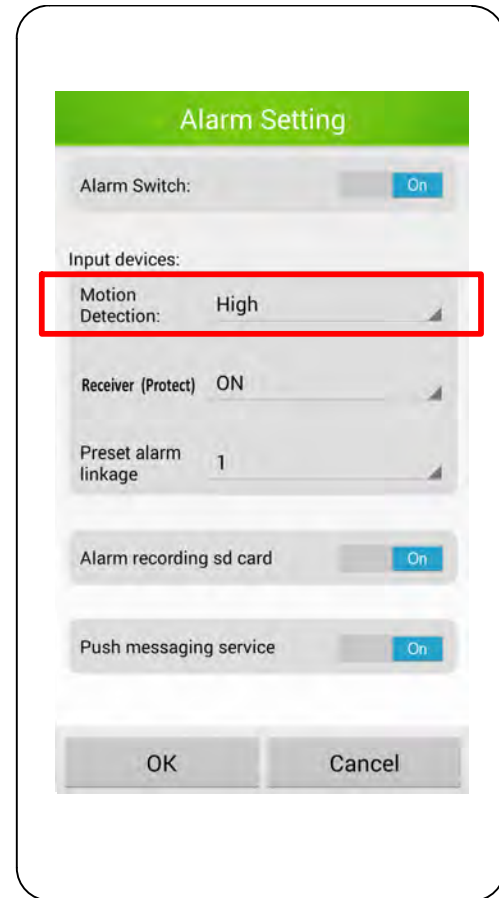
i To avoid false alarms, we recommend deactivating the guard when you are at home yourself or, according to your knowledge, other persons are permanently in the area under surveillance.



Motion Detection

You can select from the list how sensitive the camera should react to movements in the area under surveillance. In the case of a static image, we recommend the **High** setting in the case of possibly recurrent movements (such as a pet or clouds), we recommend the **Medium** or **Low** setting in order to prevent false alarms.

1. Touch **Motion Detection** in the list.
2. Touch the setting required.
3. Save the settings by touching **OK**.



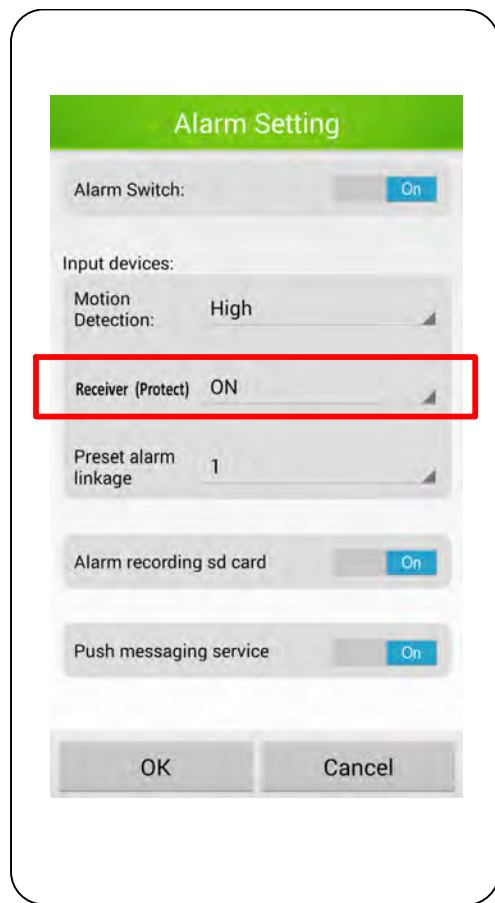
Receiver (Protect)

If you want to integrate the camera in an alarm system (Protect Series 6xxx / 9xxx alarm system from Olympia), you must use the receiver supplied.

When you want to activate the receiver, make sure the receiver is connected to the camera and has been registered on the alarm system (see Section **Installing the Camera**).

1. Touch **Receiver (Protect)** in the list.
2. Touch the setting required.
3. Save the settings by touching **OK**.

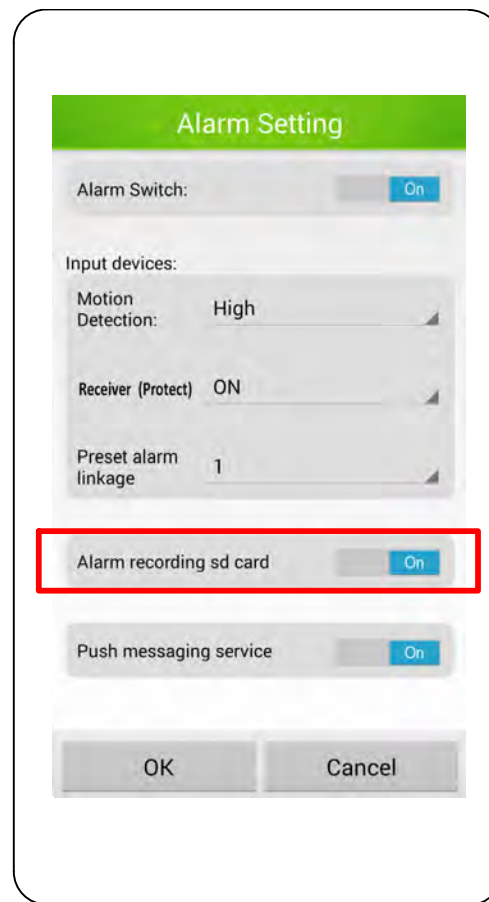
When this function is activated, the camera receives a signal from the alarm system in the event of an alarm. Your camera starts to make a video recording of the area under surveillance and, at the same time, sends a push notification to your smartphone or tablet PC.



Recording on the SD Card

You can use this option to define whether your recordings should be stored on the internal memory.

1. Touch the **Switch icon** beside the **Alarm recording sd card** option. The **Switch icon** indicates it is **ON**.
2. Save the settings by touching **OK**.



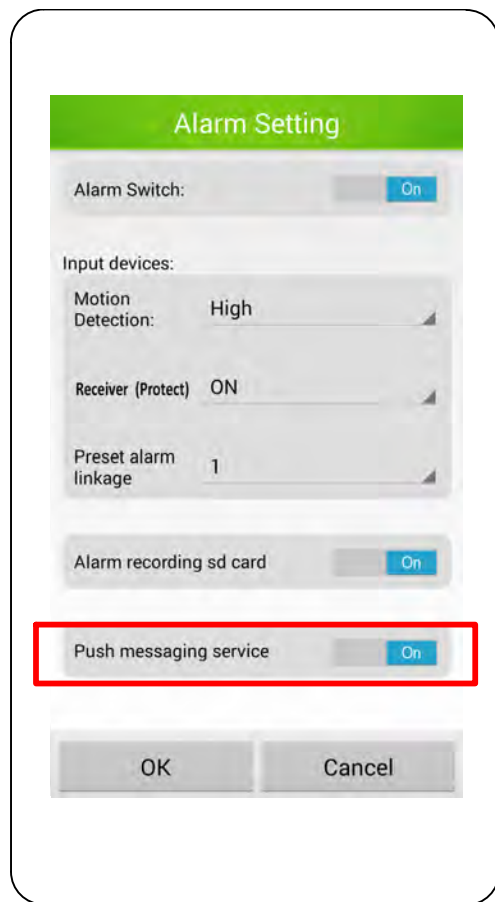
Push Messaging

You can use this option to define whether the **ProHomeIPC-App** push notifications should be sent to your smartphone or tablet PC when the camera detects movements or the alarm system connected is triggered.

A condition for the successful activation of this function is that the transmission of push notifications has been enabled in the system settings on the smartphone or tablet PC. More detailed information is provided in the operating manual supplied with your smartphone or tablet PC.

The push messaging service also functions when the **ProHomeIPC-App** is not running in the background but has been terminated.

1. Touch the **Switch icon** beside the **Push messaging service** option. The **Switch icon** indicates it is **ON**.
2. Save the settings by touching **OK**.

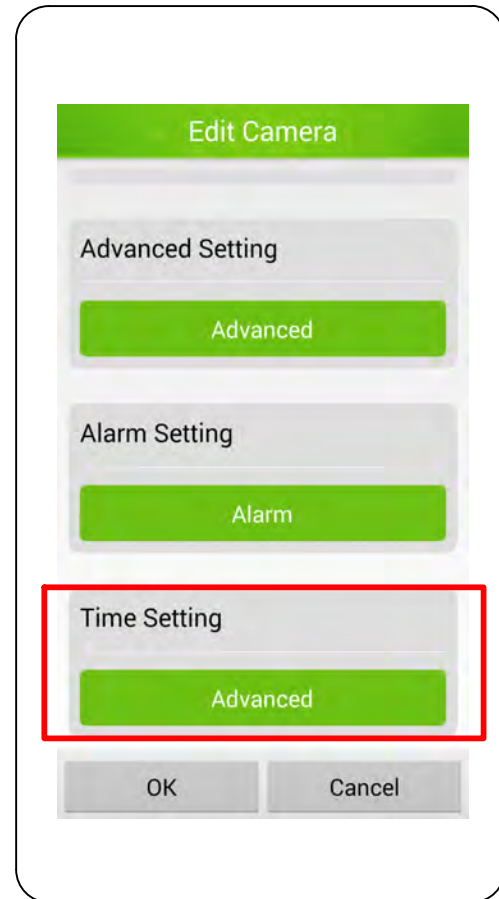


Time Setting

This option provides information and functions regarding the time settings used.

1. Touch **Advanced** in the **Time Setting** menu.
2. Define the respective settings as required.
3. Save the settings by touching **OK**.

When the default settings are active, the time and date stamp displayed in the live image reflect the time and date provided by the network connected.



Other Important Information

Guarantee

The period of guarantee is 24 months. The period of guarantee begins on the date of purchase.

In the case of problems, please contact our hotline:

0180 5 007514

(Costs using a German landline at time of going to print: 14 ct/min., max. 42 ct/min. using a mobile network.)

If the problem cannot be cleared over the phone, send your device in the original packaging, with the purchase receipt enclosed, to the following address:

Service Center Hattingen
Zum Kraftwerk 1
45527 Hattingen

Regular Maintenance and Service

Clean the housing surfaces with a soft, fluff-free cloth. Never use any chemicals or scouring agents.

Technical Modifications

This instruction manual serves purely for information purposes. Its content is not part of any contract for sale. All the data relates to nominal values. The equipment and options described may differ from country to country according to national requirements.

Information on Disposal



The adjacent symbol indicates that **old electrical and electronic apparatus** no longer required must be disposed of separate from domestic waste in accordance with legal directives.



Packaging materials must be disposed of according to local regulations.

CE Mark



Olympia Business Systems Vertriebs GmbH, Zum Kraftwerk 1, 45527 Hattingen hereby declares that this device fulfils the requirements and complies with the regulations stipulated in the Directive 1999/5/EC. The CE Mark on the devices confirms conformity. The Declaration of Conformity for this product is available at www.olympia-vertrieb.de.

Technical Data

Property	Value
Lens / Sensor	1/4" CMOS sensor (colour), focal length f: 3.6 mm
Resolution	Max. 1280 x 720 pixel
Image compression	H.264
Light sensitivity	0.5 lux
Image refresh rate	Max. 30 fps
Night vision	21 IR LEDs, range up to 15 meters
Angle of vision	60°
Motion detection	Yes
Memory	8 GB, Flash memory
LAN	RJ45 interface (10/100 Mbps)
WLAN	IEEE 802.11 b, 802.11 g, 802.11 n
Encryption	WEP, WPA and WPA2
Dimensions	175 x 65 mm (L x D), connection cable 1400 mm
Weight	Approx. 350 g (without accessories)
Power supply	Input: 100 - 240 V, 50 - 60 Hz, 0.5 A, Output: 2500 mA, 5 V
Type of protection	IP 65
Permissible ambient conditions	0 - 55° C at 20 - 80 % rel. humidity
Camera app	iOS 7 or later (at least iPhone 4); Android 4.0 or later

Troubleshooting

My camera is not detected within the network.

- ➔ Check all the cable connections. Observe the information in Section **Connecting the Camera**.
- ➔ Check the network settings. The **DHCP** function must be activated in the router. Your camera can only be found automatically in the network when the **DHCP** function is switched on.
- ➔ Reset your camera to its default factory settings. Press the Reset button (14) on the camera's connection cable. Ensure that the user identifier and password correspond to the default settings.
- ➔ Contact our Service department.

My camera is detected within the network but I cannot access it.

- ➔ Check the entries for the user identifier and password (security code). The default values are provided on the rear of the camera.
- ➔ Reset your camera to its default factory settings. Press the Reset button (14) on the camera's connection cable. Ensure that the user identifier and password correspond to the default settings.
- ➔ Contact our Service department.

My camera does not respond at all or only very slowly to input via the ProHomeIPC app.

- ➔ The connection to your network is slow or faulty. Check all the cable connections. Use a shorter network cable, if necessary. Observe the information in Section **Connecting the Camera**.
- ➔ The mobile internet connection available is of different quality in different localities. Move to a different location and try again.
- ➔ The **data volume** is used up within the scope of your mobile phone contract and the speed of the mobile connection has been slowed by your provider. Contact your mobile phone provider.
- ➔ Reduce the image quality of the image transmission.
- ➔ Reset your camera to its default factory settings. Press the Reset button (14) on the camera's connection cable. Ensure that the user identifier and password correspond to the default settings.
- ➔ Contact our Service department.

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45527 Hattingen