PPDF17000 / PPDF17100
PPDF17520 / PPDF17620



You can find important information and FAQs about this and other products online at
www.abus.com

Version 1.0

English translation of the original German operating instructions.
Retain for future reference.

English

Introduction

Dear customer,

Thank you for purchasing this product.

Hereby, ABUS Security Center declares that the products PPDF17000, PPDF17100, PPDF17520 and PPDF17620 are in compliance with the RED Directive 2014/53/EU. Additionally, this device complies with the requirements of the following EU directives: EMC Directive 2014/30/EU and RoHS Directive 2011/65/EU. The full text of the EU declaration of conformity is available at the following internet addresses:

www.abus.com/product/PPDF17000
www.abus.com/product/PPDF17100
www.abus.com/product/PPDF17520
www.abus.com/product/PPDF17620

In order to maintain this condition and to ensure safe operation, you as the user must observe these operating instructions.

Please read the complete operating instructions carefully before putting the product into operation, and pay attention to all operating instructions and safety information.

All company names and product descriptions are trademarks of the corresponding owner. All rights reserved.

If you have any questions, please contact your specialist installer or specialist dealer!



Data storage is subject to national data privacy guidelines.

The use of surveillance equipment may be forbidden or regulated by law in some countries. Before using this equipment, ensure that all of your surveillance activities are completely legal.

Note on data protection

The operator is responsible for the legally compliant use of the product in accordance with GDPR.



Warning as required by Section 201 StGB (German Criminal Code):

Whoever, without being authorised to do so, makes an audio recording of the privately spoken words of another, and uses or makes a recording thus produced available to a third party, shall incur a penalty of imprisonment or a fine.

The same penalty shall be incurred by whoever, without being authorised to do so, uses a listening device to intercept the privately spoken words of another which they are not intended to hear, or publicly communicates, verbatim or the essential content of, the privately spoken words of another which were recorded or intercepted.



Disclaimer

These operating instructions have been produced with the greatest of care. Should you nevertheless notice any omissions or inaccuracies, please inform us in writing at the address given above.

ABUS Security Center GmbH accepts no liability for technical and typographical errors and reserves the right to make changes to the product and operating instructions at any time without prior notice.

ABUS Security Center shall not be liable or responsible for any direct or indirect consequential damages arising in connection with the equipment, performance or use of this product. No guarantee is made for the contents of this document.

English

Safety information

Intended use

Only use the device for the purpose for which it was built and designed. Any other use is not considered to be the intended use.

Important safety information

General

Before using this device for the first time, please read the following instructions carefully and observe all warning information, even if you are familiar with the use of electronic devices.

Damage caused by failure to observe these safety instructions will invalidate the warranty. We cannot be held liable for resulting damage.

Power supply

Only operate this device through a power source which supplies the mains power specified on the type plate. If you are not sure which power supply you have, please contact your energy supply company. Disconnect the device from the mains power supply before carrying out maintenance or installation work. The device is only fully disconnected from the mains network when the power supply unit is removed. In order to eliminate the risk of fire, the device's mains plug should always be disconnected from the mains socket, if the device is not being used for an extended period of time. Prior to unstable weather and/or when there is a risk of lightning strike, disconnect the device from the mains network or connect the device to a UPS. Avoid overloading electrical sockets, extension cables and adapters, as this can result in fire or electric shock.

Cables

Always grasp all cables by the plug and do not pull on the cable itself. Never grasp the power cable with wet hands, as this can cause a short circuit or electric shock. Do not place the device itself, items of furniture or other heavy objects on the cable and ensure that it does not become kinked, especially at the connector plug and at the connection sockets.

Never tie a knot in the cable and do not bundle it together with other cables. All cables should be laid in such a way that nobody steps on them and so that they do not cause an obstruction.

Damaged power cables can cause fire or electric shock. Check the power cable from time to time. Do not modify or manipulate the power cable or plug. Only use adapter plugs or extension cables that conform to applicable safety standards, and do not interfere with the mains or power cables.

Children

Keep electrical devices out of reach of children. Never allow children to use electrical devices unsupervised. Children may not always properly identify possible hazards. Small parts may be fatal if swallowed. Keep packaging film away from children. There is a risk of suffocation. This device is not intended for children. If used incorrectly, parts under spring tension may fly out and cause injury to children (e.g. to eyes).

Surveillance

The use of surveillance equipment may be forbidden or regulated by law in some countries.

Before using this equipment, ensure that all of your surveillance activities are completely legal.

Note on data protection

The operator is responsible for the legally compliant use of the product in accordance with GDPR.

Installation location/operating environment

Do not place any heavy objects on the device.

The device is not designed for operation in rooms outside the specified operating temperature range or humidity range or where there is excessive dust. Please refer to the individual devices' technical data for more detailed information. Ensure that: adequate ventilation is always guaranteed; no direct sources of heat can affect the device; interior devices are not exposed to direct sunlight or strong artificial light; the device is not in the immediate vicinity of magnetic fields (e.g. loudspeakers); no naked flames (e.g. lit candles) are placed on or next to the device; sprayed or dripping water is prevented from coming into contact with interior devices and caustic fluids are avoided; the device is not operated in the vicinity of water, in particular, the device should never be submerged (do not place objects containing fluids, e.g. vases or drinks, on or near the device); no foreign bodies penetrate the device; the device is not exposed to wide temperature variations, as otherwise there may be condensation from humidity causing electrical short circuits; the device is not exposed to excessive shock or vibration.

Unpacking the device

Handle the device with extreme care when unpacking it.

Packaging and packaging aids can be reused and, as far as possible, should be sent for recycling.

If the original packaging has been damaged, inspect the device. If the device shows signs of damage, return it in the original packaging and inform the delivery service.

Start-up

Observe all safety and operating instructions before operating the device for the first time.

⚠ **Improper and unprofessional work on the power grid or domestic installations not only poses a risk to yourself, but also to other people.**

Care and maintenance

⚠ **Disconnect the device from the mains supply for maintenance work or cleaning!**

Maintenance

Have all maintenance tasks carried out by qualified technicians only. Never open the housing on the device or accessories unless this is necessary. Opening the device is only permitted for the following purposes:

- Installing the device, inserting a storage medium (SD card or hard drive), or accessing essential functions (reset button or WPS button)

Cleaning

Only clean the device housing with a damp cloth. Do not use solvents, spirits, thinners or other aggressive substances:

Rub the surface gently with a cotton cloth until it is completely dry.

- Dusty devices must be cleaned. You can clean dust from the air vents using a vacuum cleaner or compressed air. If if necessary, the dust can be removed with a brush.
- You can clean the surface using a cloth slightly dampened in soapy water. Only use suitable microfibre cloths on high-gloss surfaces.
- Do not allow water to enter the inside of the device.
- Do not clean the device in a dishwasher.
- Do not use any sharp, pointed, abrasive or corrosive cleaning agents or hard brushes.
- Do not use chemicals.
- Do not clean the device with highly flammable liquids.

Disposal



Attention: The EU Directive 2012/19/EU governs the proper recovery, treatment and recycling of used electronic devices. This symbol means that, in the interest of environmental protection, the device must be disposed of separately from household or industrial waste at the end of its lifespan in accordance with applicable local legal guidelines. Used devices can be disposed of at official recycling centres in your country. Observe local regulations when disposing of materials. Further details on returns (also for non-EU countries) can be obtained from your local authority. Separate collection and recycling conserve natural resources and ensure that all the provisions for protecting health and the environment are observed when recycling the product. Permanently installed batteries and rechargeable batteries must be returned with the device to the official collection points for waste electrical equipment.

Notes on handling batteries/rechargeable batteries
The installed rechargeable batteries may only be replaced by ABUS Technical Support. There are no serviceable parts inside the device.
Please note that all types of batteries can explode or catch fire if handled incorrectly. This can lead to serious burns and injuries. Please note and avoid the following points:

- **The rechargeable batteries must not be burnt, dismantled, punctured or damaged.**
- **The battery/rechargeable battery contacts must not be short-circuited.**
- **The rechargeable batteries must not come into contact with water.**
- **The rechargeable batteries must not be directly exposed to a heat source or sunlight and must not be stored in a place with a very high temperature.**
- **Leaking or damaged batteries/rechargeable batteries can cause chemical burns if they come into contact with the skin. In this case, wear protective gloves.**
- Make sure that batteries/rechargeable batteries are kept away from children. Children could put them in their mouths and swallow them. This can cause serious harm to their health. If this happens, consult a doctor immediately.

Important note on the disposal of batteries/rechargeable batteries



Only return lithium batteries and battery packs to the collection points in discharged condition. Please take precautions against short circuits (e.g. by insulating the poles with adhesive tape). Batteries with this label do not contain harmful substances such as cadmium, lead and mercury. However, according to the Battery Regulation, used batteries may no longer be disposed of with household waste. To protect natural resources and promote the recycling of materials, separate the batteries from other waste and dispose of them in your local recycling system. Additional labelling with the chemical symbols for Hg, Cd or Pb means that the battery contains mercury, cadmium or lead in quantities that exceed the limit values of EU Directive 2006/66/EC. If batteries are not disposed of properly, these substances can endanger human health or the environment.

English

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English

1. Scope of delivery

PPDF17000

1x 7" EasyLook monitor
1x EasyLook camera
2x Power supply unit, 12 V DC / 1 A (EU, UK)
2x Antenna
1x Installation material
1x Quick Guide
1x Drill template
1x Safety information

PPDF17100

1x 7" EasyLook monitor
1x EasyLook pan/tilt camera
2x Power supply unit, 12 V DC / 1 A (EU, UK)
2x Antenna
1x Installation material
1x Quick Guide
1x Drill template
1x Safety information

PPDF17520

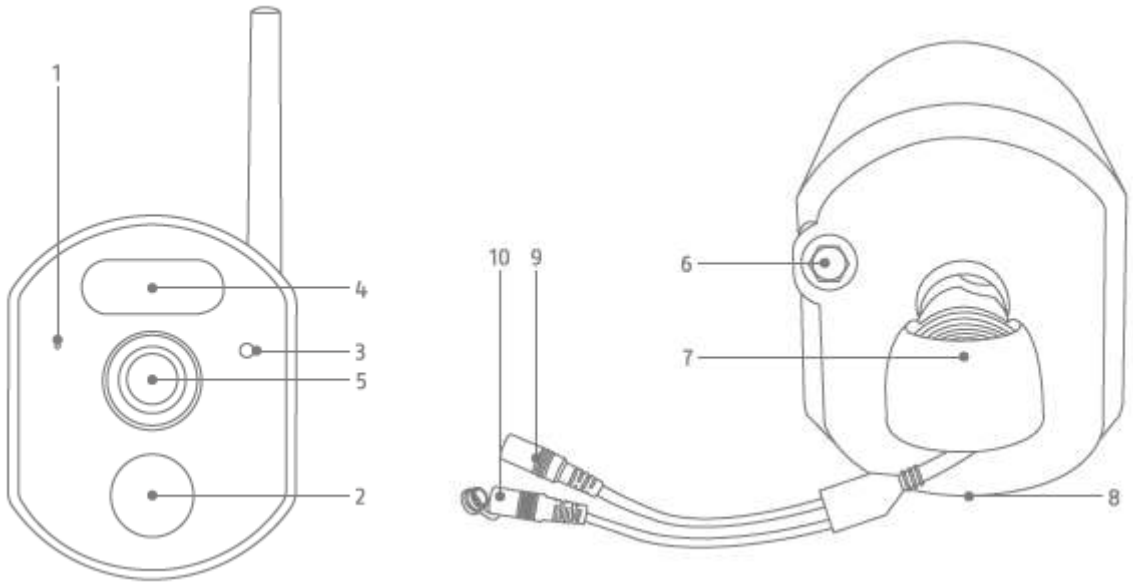
1x EasyLook camera
1x Power supply unit, 12 V DC / 1 A (EU, UK)
1x Antenna
1x Installation material
1x Quick Guide
1x Drill template
1x Safety information

PPDF17620

1x EasyLook pan/tilt camera
1x Power supply unit, 12 V DC / 1 A (EU, UK)
1x Antenna
1x Installation material
1x Quick Guide
1x Drill template
1x Safety information

2. Description of hardware

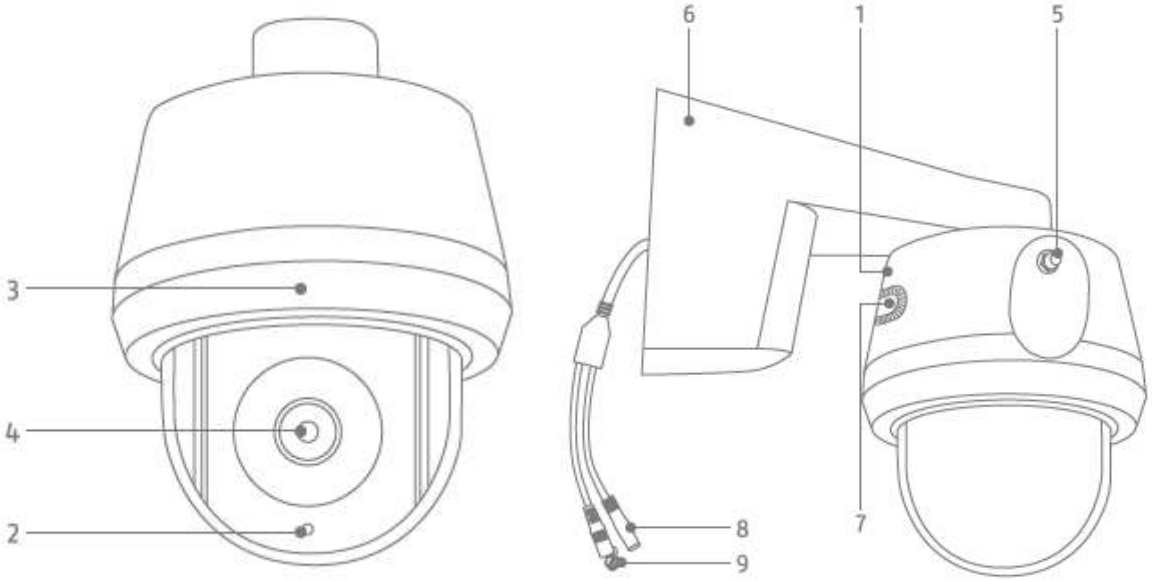
2.1. PPDF17000 – Camera PPDF17520



1	Microphone	2	Passive Infrared Sensor (PIR)
3	Light sensor	4	Infrared LEDs / Status LED
5	Lens	6	Antenna connection (RPSMA)*
7	Mount	8	Loudspeaker
9	Power supply (12V DC / 1A)	10	Reset button

*Wireless frequency: 2.4 GHz (max. transmission power 20 dBm)

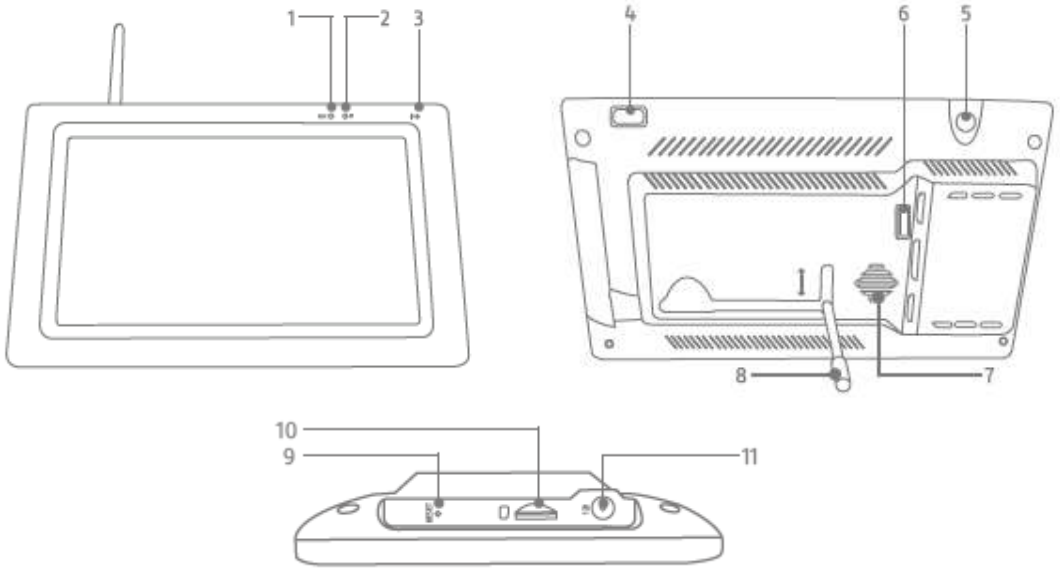
2.2. PPDF17100 – Camera PPDF17620



1	Microphone	2	Light sensor
3	Infrared LEDs / Status LED	4	Lens
5	Antenna connection (RPSMA)*	6	Mount
7	Loudspeaker	8	Power supply (12V DC / 1A)
9	Reset button		

*Wireless frequency: 2.4 GHz (max. transmission power 20 dBm)

2.3. PPDF17000 / PPDF17100 – Monitor



1	REC LED (flashes during recording)	2	Power LED
3	Microphone	4	On/Off switch
5	Antenna connection (RP-SMA) *	6	USB interface
7	Loudspeaker	8	Stand
9	Restart button	10	microSD card slot (max. 128 GB)
11	Power supply (12V DC / 1A)		

*Wireless frequency: 2.4 GHz (max. transmission power 20 dBm)

3. Description of hardware functions

3.1. LED behaviour

PPDF17000 – Monitor

LED	Status	Description
Power LED	Lights up green	1. Monitor connected to power 2. Battery is fully charged
	Flashes green	Battery charging
	Flashes red	Battery level below 20%
Rec LED	Lights up red	Not recording
	Flashes red	Recording in progress
	Off	No SD card inserted

PPDF17000 – Camera PPDF17520

LED	Status	Description
Status LED	Flashes red quickly (A signal tone sounds regularly during the pairing process)	Camera supplied with power and in pairing mode
	Lights up red	Connected to the monitor
	Flashes red	Camera not connected to the monitor
	Off	Camera has no power supply

PPDF17100 – Camera PPDF17620

LED	Status	Description
Status LED	Flashes red quickly (A signal tone sounds regularly during the pairing process)	Camera supplied with power and in pairing mode
	Off	Connected to the monitor

3.2. Audio transmission

The monitor can receive an audio signal from one camera at a time. If several cameras are paired, only the audio signal from the selected camera is played back.

3.3. Factory settings/reset

The camera can be reset using the reset button on the cable.

The monitor can be restarted using the restart button, but is not reset. The factory settings can be loaded via the menu item "Manage system"->"Factory settings".

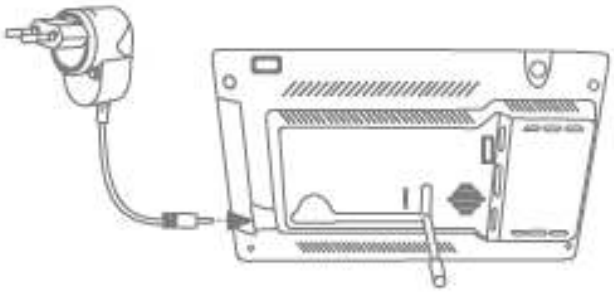
There are two options here:

1. Simple reset (camera configurations are retained)
2. Reset all (all data is reset to the factory settings)

4. Mounting/installation

	**ATTENTION!** The camera must be disconnected from the power supply during installation.

4.1. PPDF17000 / PPDF17100 – Monitor

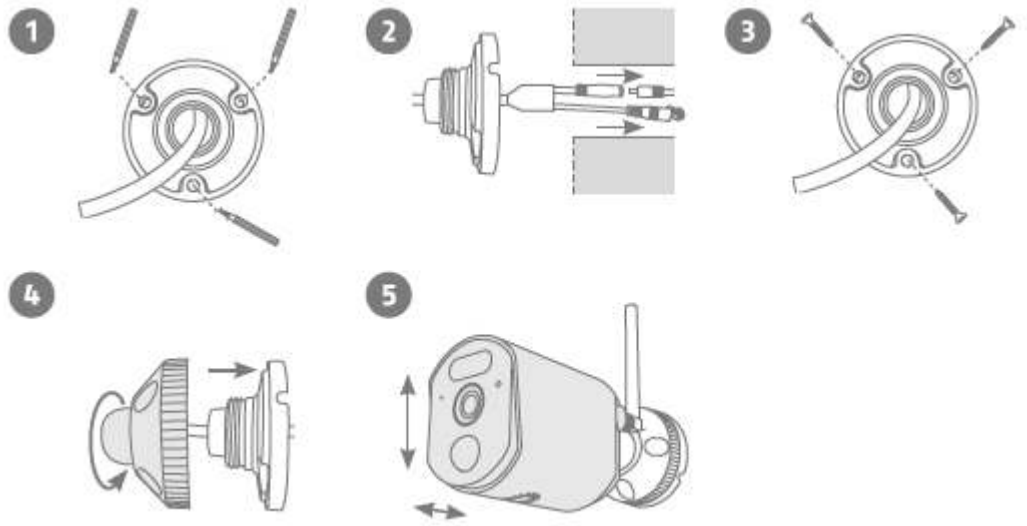


Unfold the stand and lock it in place by pushing it upwards. Then connect the supplied 12 V DC / 1 A power supply unit. Switch on the monitor using the on/off switch and follow the instructions on the monitor to complete the initial setup. Then connect the antenna to the monitor.

4.2. PPDF17000 – Camera PPDF17520

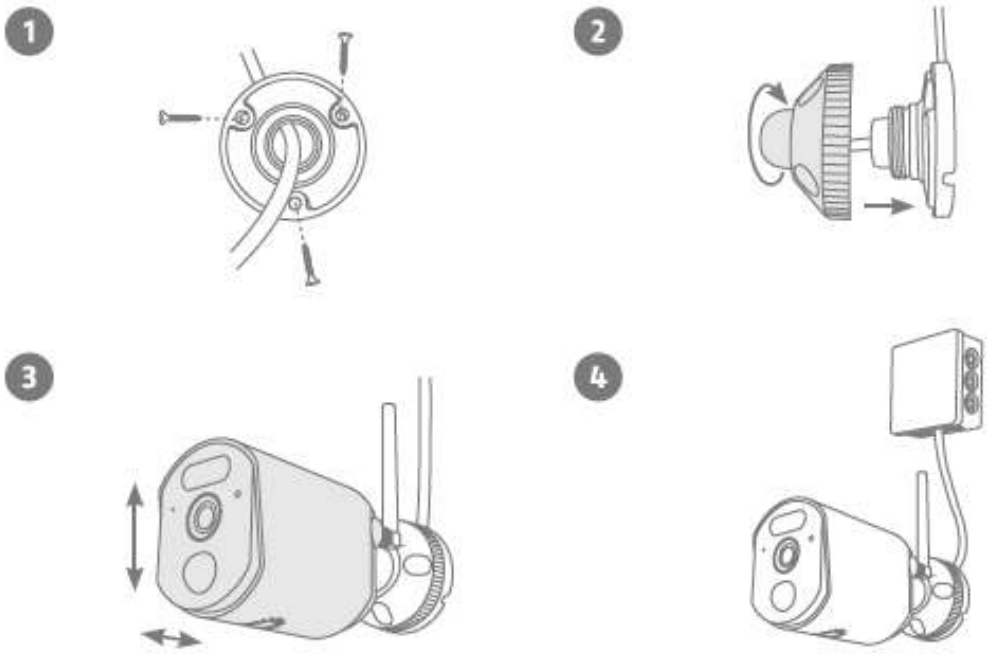
First check the signal strength at your location. Hold the camera (with the antenna screwed on) as precisely as possible at the desired location: Does the monitor show a smooth live image at the desired location? If this is the case, you can continue with the installation. Otherwise, reposition the camera or monitor until a smooth live image is achieved.

Option 1: Flush-mounted power supply



1. To start installation, use the drill template or unscrew the bracket to mark the required 3 drill holes with the wall plate at the desired location for the camera. Drill the 3 holes and insert the enclosed dowels.
2. Connect the power cable to the camera connection and feed the cables into the wall.
3. Fix the wall plate of the bracket in place with the screws provided.
4. Insert the ball joint and fit the cover. The fixing ring is then screwed on a little.
5. Now align the camera to the roughly desired coverage area and tighten the fixing ring.

Option 2: Surface-mounted power supply

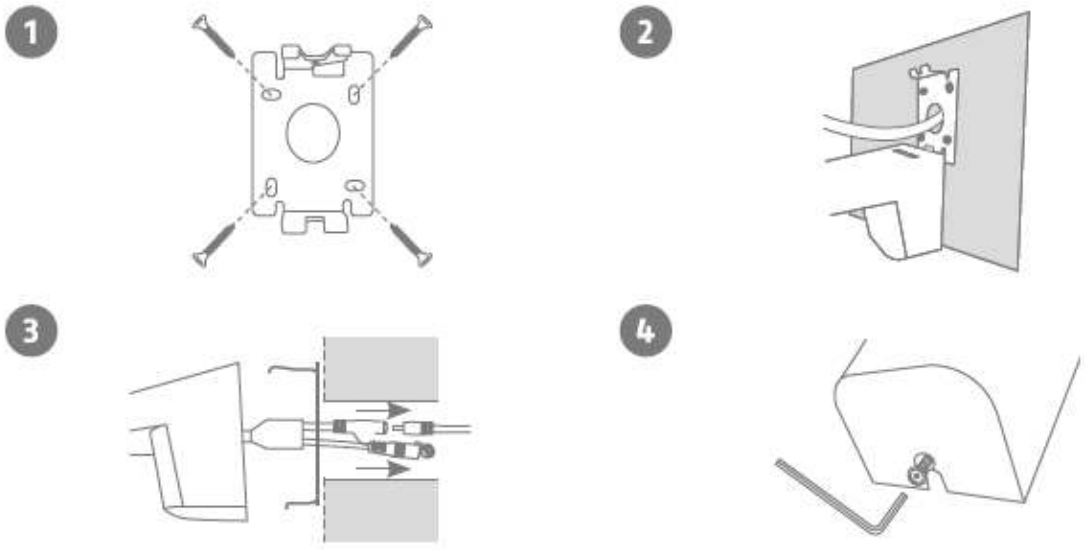


1. To start installation, use the drill template or unscrew the bracket to mark the required 3 drill holes with the wall plate at the desired location for the camera. Drill the 3 holes and insert the enclosed dowels. Feed the cable through one of the recesses in the wall plate. Attach the wall plate of the bracket to the wall using the screws provided.
2. Insert the ball joint and fit the cover. The fixing ring is then screwed on a little.
3. Now align the camera to the roughly desired coverage area and tighten the fixing ring.
4. Use a commercially available weatherproof installation box/junction box (width and height min. 105 mm, depth min. 35 mm) for waterproof installation. Feed the camera's cable into the box and connect the wiring there. For weatherproof box installation, follow the installation instructions enclosed with it.

4.3. PPDF17100 – Camera PPDF17620

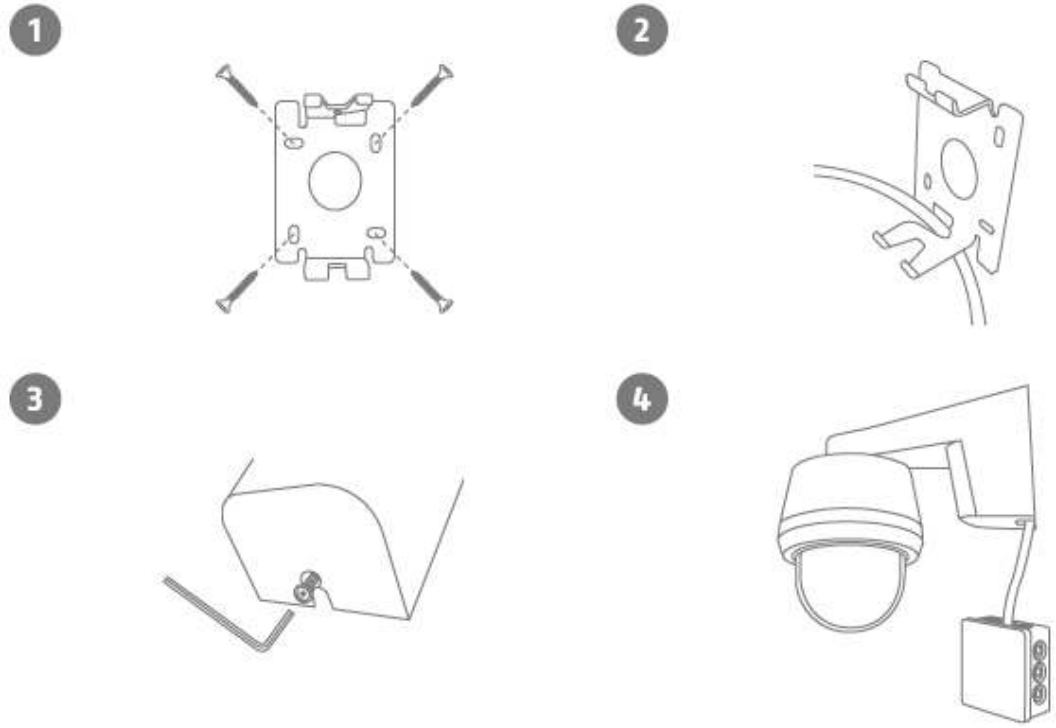
First check the signal strength at your location. Hold the camera (with the antenna screwed on) as precisely as possible at the desired location: Does the monitor show a smooth live image at the desired location? If this is the case, you can continue with the installation. Otherwise, reposition the camera or monitor until a smooth live image is achieved.

Option 1: Flush-mounted power supply



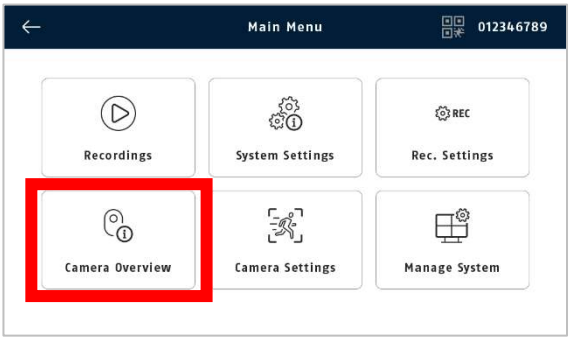
1. Separate the wall plate of the bracket from the camera using the Allen key provided. Mark the position of the required 4 drill holes at the desired location using the drill template or the wall plate and a pencil, for example. Drill the holes and insert the dowels provided. Secure the bracket with the screws provided.
2. The wall plate has a parking position at the bottom edge. Place the camera in the parking position so that you can carry out wiring easily.
3. Connect the power cable to the camera connection. Feed the cable into the wall. The cable can also optionally be stowed in the bracket.
4. Place the camera and bracket completely on the wall plate and screw the elements to the underside of the bracket using the Allen key. With this installation, the cables run completely inside the bracket and are no longer visible.

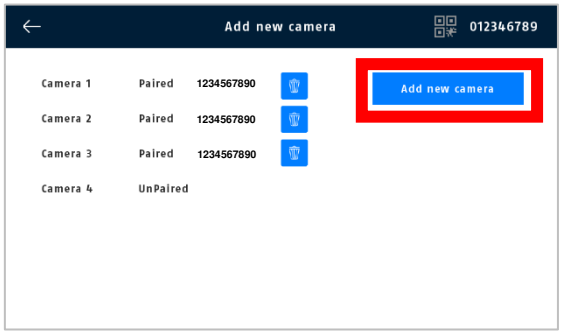
Option 2: Surface-mounted power supply



1. Separate the wall plate of the bracket from the camera using the Allen key provided. Mark the position of the required 4 drill holes at the desired location using the drill template or the wall plate and a pencil, for example. Drill the holes and insert the dowels provided. Secure the bracket with the screws provided.
2. Guide the camera's power cable through the bracket and downwards as shown in the illustration.
3. Place the camera and bracket completely on the wall plate and screw the elements to the underside of the bracket using the Allen key.
4. Use a commercially available weatherproof installation box/junction box (width and height min. 105 mm, depth min. 35 mm) for waterproof installation. Guide the camera cable into the installation box/junction box and carry out wiring there. For further installation with a junction box, follow the installation instructions for the box.

4.4. Pairing a camera





The camera supplied in the set is already programmed into the monitor at the factory.
If you would like to pair a second camera, proceed as follows:

1. Tap the menu icon.
2. Tap on "Camera overview".
3. Supply the camera with power. The status LED on the front of the camera should now light up continuously for 10 seconds and then flash. After another 5 seconds, the camera will emit a pairing tone at regular intervals.
4. Click on "Add camera".
5. The LED should now light up continuously for 3 seconds. After 10 sec. the camera will be added to the monitor. After the camera has been successfully paired, an ID will appear in the camera overview.
6. Then click on "Stop adding".
7. Exit the menu to see the live image from the camera on the monitor.

5. Compatibility

Up to 4 cameras can be connected to the monitor. This means that the PPDF17000 or PPDF17100 set can be expanded with 3 cameras. The following cameras can be used for expansion: PPDF17520 and PPDF17620.

The cameras can be connected to **one** monitor and not to several monitors at the same time.

The additional camera PPDF17620 is compatible ex works with the set monitor from article PPDF17100.

If you want to operate the additional camera PPDF17620 with a monitor from the set with article no. PPDF17000, a firmware version higher than v3.1.9.8.19M must be installed.

- You should therefore first check the firmware version on your monitor:
  Manage system > System information > S/W version

- The latest version is available on the website: abus.com/products/ppdf17100 in the "Downloads" section under "Firmware" (zip file, approx. 10 MB).

- You will need an empty USB stick to transfer the firmware file from your PC/laptop to your EasyLook BasicSet monitor.

6. Updating the monitor firmware

	Attention: Do not disconnect the set monitor from the power supply during the firmware update.

1. Copy the downloaded firmware file (with the extension .rom) from your PC/laptop to an empty USB stick.
2. Plug the USB stick into the set monitor (connection on the back of the monitor).
3. Follow the path on the monitor screen: Main menu > Manage system > Monitor.
4. Select "Local update".

If the update is successful, the monitor will be automatically restarted. This can take up to 10 minutes. You can read the installed firmware version of the monitor here:

Manage system > System information > S/W version.

7. Notes on person detection

The person detection function allows you to differentiate between objects. As soon as the PIR (passive infrared sensor) or the camera is triggered, the camera software searches for specific characteristics of a person in the image. In very rare cases, environmental influences such as sunlight, heat, wind, rain, snow or insects can lead to false detection.

Objects that resemble the outline of a person are also detected as a person in rare cases. Example: a flag in the wind, interpreted as a person in a raincoat.



Please note that person detection depends on the distance, the viewing angle and the size of the person (seen from camera to object).

	Note If a person is detected, a recording is triggered even if they are not moving. One hundred per cent accuracy and the complete exclusion of false alarms are not possible.

In order to achieve optimum performance of the person detection function, certain conditions must be observed during installation and for the camera's field of view:

1. The installation height of the camera should be chosen between 2 and 3 metres.
2. The object height in the image section must be between 1/16 and 1/2 of the image height. If objects in the image are shown too large or too small, they may not be detected correctly.
3. Pay attention to the vertical viewing angle of the camera as people who are located directly below the camera, for example, cannot be detected due to this. People who can only be seen from above in the live image may also not be detected as a person.
4. Reflective surfaces in the image section can interfere with person detection.
5. Make sure that there are no branches or leaves in the image area in the close-up range of the camera.
6. If you do not want the camera to trigger when you are present, set up appropriate schedules.

8. Local user interface

8.1. Operation and live display

The monitor can be operated using touch input.

Quad view:



Double-click on a channel in the quad view to display it as a full screen.
Double-click on the full screen again to switch back to the quad view.
Use the menu bar for further operation and settings.

8.2. Live indicators

In live view mode, you will be provided with the following information:

	**Selection** By tapping the desired camera once, a red frame appears next to the selected camera. The audio transmission always comes from the selected camera. To start the audio transmission of another camera, select the camera with a click.
	**Signal strength display**  Very strong connection  Strong connection  Weak connection  No connection If the connection is weak or no connection is displayed, try to improve the connection by changing the antenna alignment of the camera and monitor. If there is no improvement, we recommend our TVAC17530 repeater set: www.abus.com/product/TVAC17530
	**Timestamp display** Display of the current system time and date.
	**Camera channel display** Shows the channel number of the selected camera.
PIR	**PIR detection** Indicates whether the camera's PIR has detected movement.

	**Person detection** Indicates whether the person detection function has detected a person. In order for the intelligent person detection function to trigger a recording, the PIR must be triggered first and then the person detection function with the PPDF17520 (Tube). With the PPDF17620 (Outdoor PT), the software detection must be triggered first and then the person detection function in order for a recording to take place.

8.3. Live menu bar

	Main menu
 	Activate zoom function Deactivate zoom function
 	Microphone deactivated Microphone activated
 	Call up recordings / memory New recordings are available
   	Volume muted Low volume Medium volume High volume  The audio transmission always comes from the selected camera. To start the audio transmission of another camera, select the camera with a click.

PPDF17100 & PPDF17620 only:



Pan-tilt function



Pan to the left



Pan to the right



Tilt downwards



Tilt upwards



Mirror view by 180°



Save starting position, position 2 or position 3



Delete position

Panning and tilting the camera lens is controlled using the arrow buttons on the screen. Always perform several changes of direction (up, down, left, right) one after the other using the corresponding arrow key.

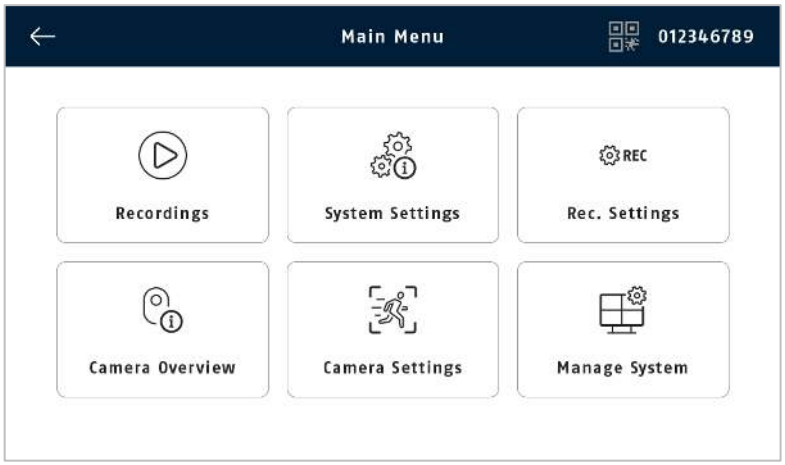


Note:

Due to the wireless connection, the camera needs time to react. As a result, the reaction is somewhat delayed.

8.4. Main menu

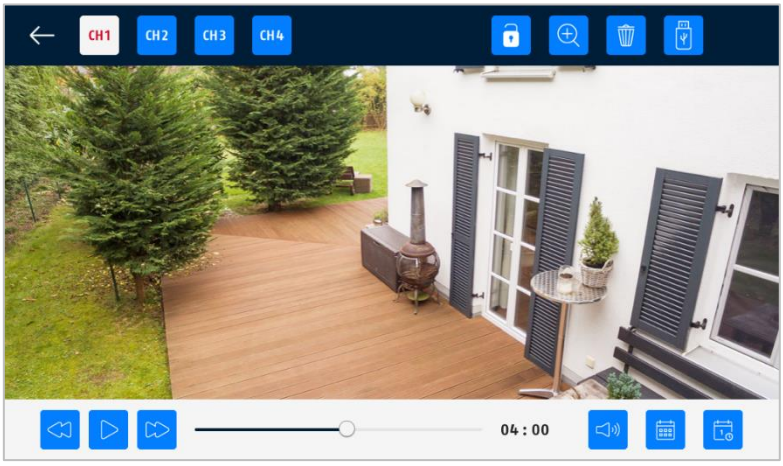
	**Back** Please note that you can exit the individual menu items using the back button at the top left. Changes are saved automatically.

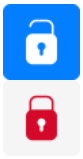


	**Recordings** • Playback of recordings • Delete recordings • Filter recordings • Copy back-up of recordings to USB medium
	**System settings** • Language settings • Time settings • Camera audio settings • Screensaver
	**Recording settings** • Recording schedule • Memory status • Ring memory
	**Camera overview** • List of connected cameras • Delete cameras • "Add camera" mode

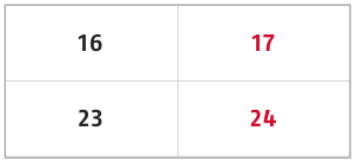
	**Camera settings** • Monitor siren volume • Open full screen on movement • Motion detection • Intelligent detection • Alarm when triggered • Sensitivity • Areas with motion detection • Private zone masking
	**Manage system** • System information • Factory settings • Monitor firmware update • Camera update
	**System information** • Device model • Device SN • S/W version • Build time • Channel 1-4 firmware version

8.5. Recordings

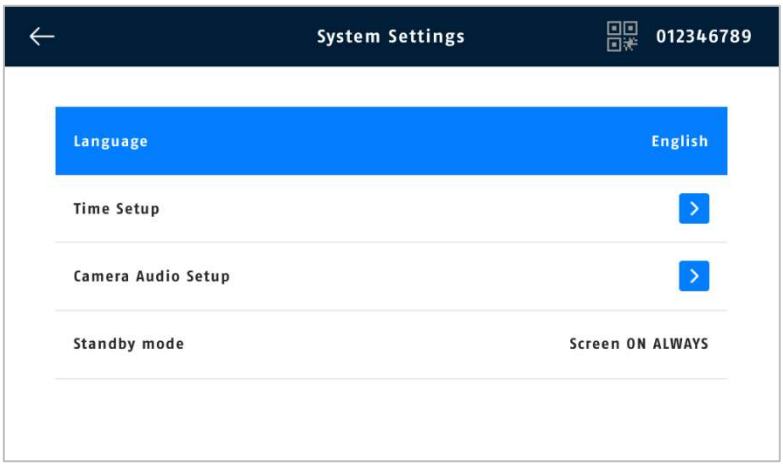


	**Select channel** Select the desired camera channel for playback.
	**Fix menu bar** When this button is pressed, the menu bar is fixed during playback of recordings.

 	**Zoom function** Activate zoom function Deactivate zoom function
	**Delete recording**
	**Back-up** Create a copy of the current recording when a USB medium is connected
 	Audio deactivated Audio activated
   	Play previous recording Play recording Stop recording Play next recording  Recordings can be fast-forwarded and rewound by moving the progress control.
 	Calendar for day selection Time selection

	Days with existing recordings are marked in red.
	Use the arrow at the top to expand the hour selection. The currently selected recording is displayed in red.

8.6. System settings



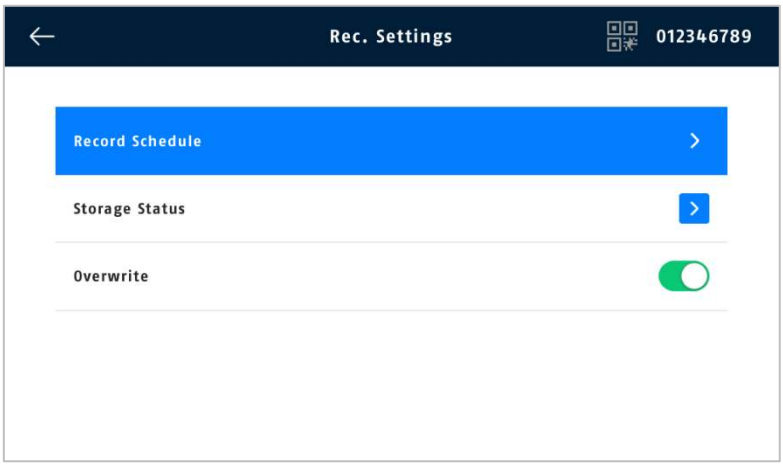
Language
Select the desired language here. (English, German, French, Dutch, Italian, Danish)

Time settings
You can set the current date and time here.

Camera audio settings
Here you can specify whether the respective camera should play back and record audio.

Standby mode
Select after how long the screen should switch to standby mode.

8.7. Recording settings





Schedule

Here you can define up to 4 schedules for activating motion detection of the cameras.

- To activate, the slider must be set to the right position and be green
- Camera: Determine which camera to which the schedule should apply
- Set time period using days and time

Schedule 1 is set at the factory as the default schedule (for the entire period). If this is deactivated, the cameras do not detect movement

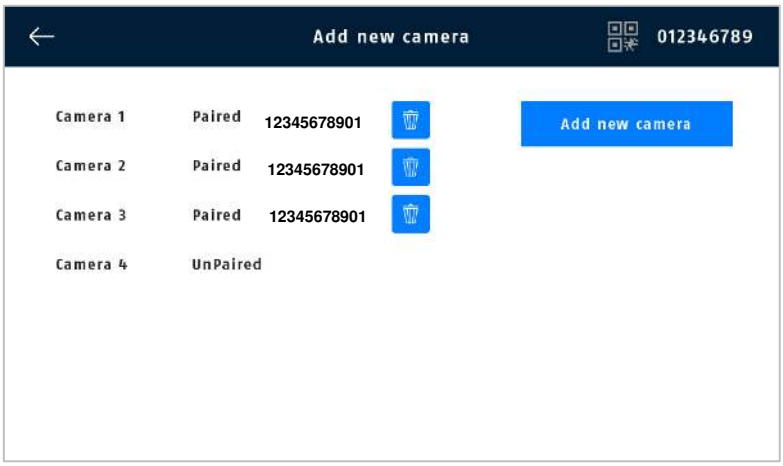
Memory status

You can display the used and available storage space here. The SD card can also be formatted via this menu item.

Ring memory

If this function is activated, the oldest recordings are overwritten with newer ones as soon as the SD card is full. If the function is deactivated, no further recordings can be made when the SD card is full.

8.8. Camera overview



Delete camera

You can disconnect connected cameras from the monitor here.

A manual reset of the camera using the reset button is necessary for a new connection.

Add camera

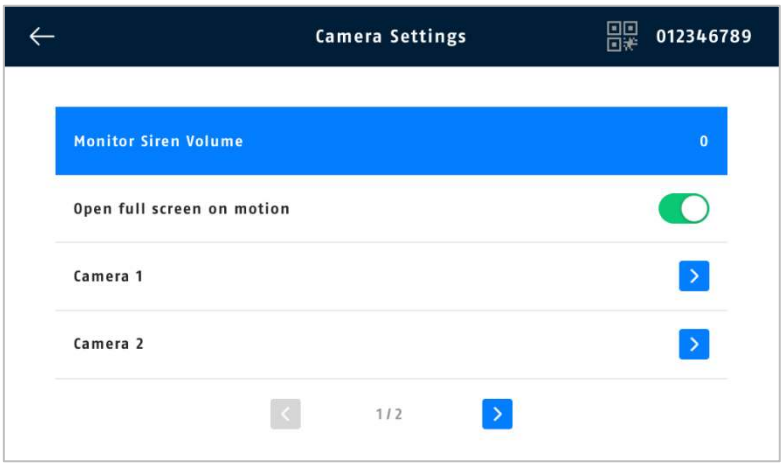
You can add more cameras to your set here.

Supply the camera with power. Click on Add camera.

Once the camera has been successfully paired, "Paired" is displayed for the next free camera.

Pairing is described in more detail in section 4.3.

8.9. Camera settings

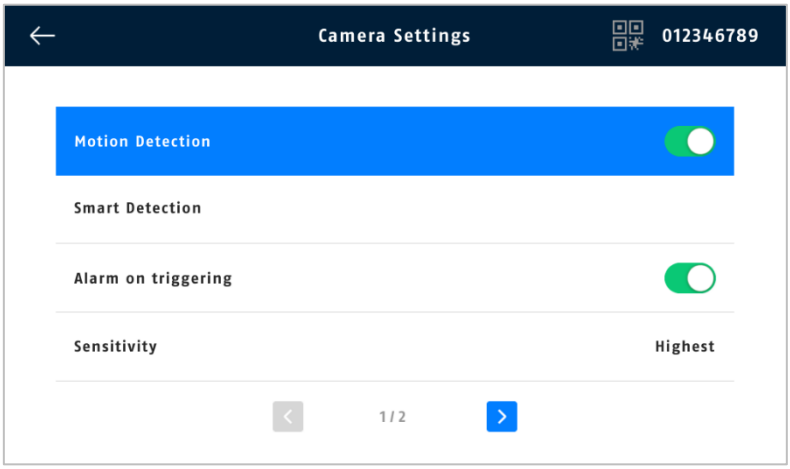


Monitor siren volume

Set the siren volume of the monitor in the event of triggering here. (0 = Off)

Open full screen on movement

If there is movement, the triggering camera is displayed in full screen.



Motion detection

Switching on/off takes place via the control slider (green = on).

In this detection mode, there is no check for person detection, i.e. any movement/heat detection in the detection range triggers a recording.

Intelligent detection

Person detection:

The person detection function allows you to differentiate between objects. The camera software searches for specific characteristics of a person in the image. In very rare cases, environmental influences such as sunlight, wind, rain, snow or insects can lead to false detections. Objects that resemble the outline of a person are also detected as a person in rare cases. Example: a flag in the wind, interpreted as a person in a raincoat.

If person detection is activated, it is not possible to adjust the sensitivity of the camera.

Detection frame:

Detected persons are displayed with a coloured detection frame in the live image and in the recordings.

Alarm when triggered

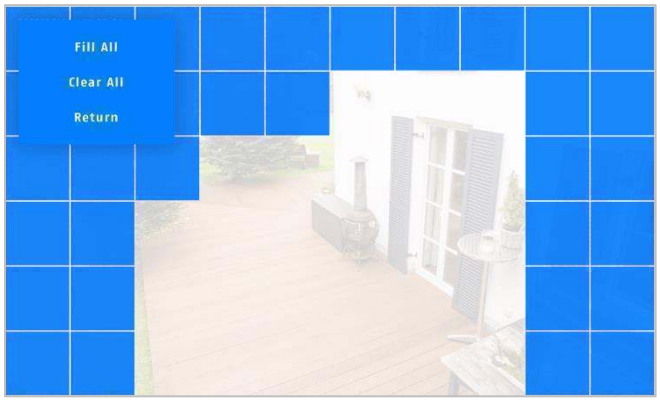
Activates the siren on the monitor when motion detection is triggered.

Sensitivity

Here you can optimise the sensitivity of motion detection for your monitored area.

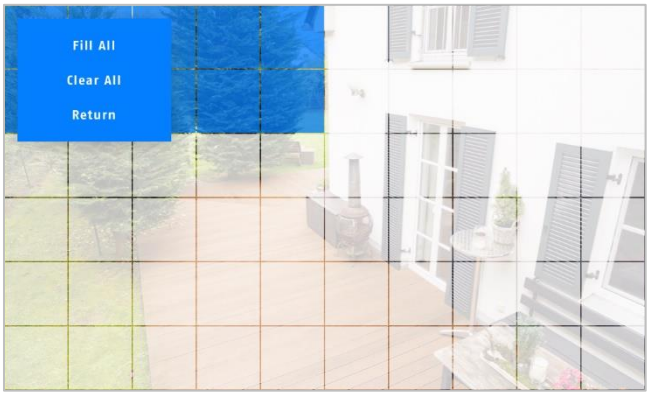
You can minimise unwanted false triggering by using less sensitive levels.

Areas with motion detection



Here you can define the desired areas in which motion detection is desired. This helps you to minimise unwanted triggering. The areas marked in blue are the active areas. When triggered, a recording is started there.

Private zone masking



A preview of the live image and the privacy zone that has been set up are displayed here. Privacy masks are drawn directly in the preview area.

You can activate up to 4 zones and place and customise them individually using drag and drop.

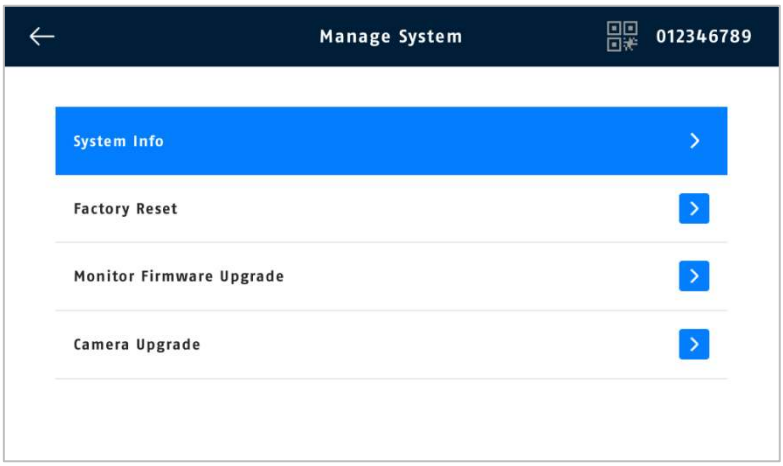
Individually selected fields also count as a separate zone. The maximum number has already been reached with four individually selected zones If the zones are exceeded, the oldest zone is deleted.

The drawn zone is made unrecognisable in dark blue and is therefore not visible in the live image or in the recording.

Click on "Back" at the top left to save the settings.

To delete zones, click on Delete all zones and then on the tick in the top right-hand corner.

8.10. Manage system



System information

Device model

Device SN (serial number)

S/W version (software version)

Build time (creation date of the software)

QR code with SN

Factory settings

Simple reset (camera configurations are retained).

Reset all (all data is reset to the factory settings).

Monitor firmware update

You can update the monitor here if a new version is available on the ABUS homepage. Download the update, unzip it and save the .rom file on a USB stick.

Then plug the USB stick into the USB port on the back of the monitor. Now click on the "Local update" button on the monitor. After the successful update, the monitor restarts after confirmation with the "Finish" button.

Do not disconnect the monitor from the power supply during the update. Also, do not disconnect the USB stick from the monitor.

Camera update

Select the desired camera and select "Start".

9. FAQs

No.	Questions	Answers
1	What does pairing the monitor and camera mean and how does it work?	Pairing establishes an exclusive, encrypted wireless connection between the monitor and camera. To pair a camera with the monitor, proceed as follows: • Tap the menu icon. • Tap on "Camera overview". • Supply the camera with power. The status LED on the front of the camera should now light up continuously for 10 seconds and then flash. After another 5 seconds, the camera will emit a pairing tone at regular intervals. • Click on "Add camera". • The LED should now light up continuously for 3 seconds. After 10 sec. the camera will be added to the monitor. After the camera has been successfully paired, an ID will appear in the camera overview. • Then click on "Stop adding". • Exit the menu to see the live image from the camera on the monitor.
2	What could be the reason why no image is displayed on the monitor?	If you have no signal, please check the following: • Is the camera connected to the power supply (does the LED light up red)? • Is the monitor charged? • Are the camera and the monitor paired with each other (see question 1)? • Is the camera within range of the monitor? • Is the signal between the camera and monitor subject to interference?
3	What could be the causes for the device not recording when there is movement?	Please check the following points: • The sensitivity of motion detection, increase if necessary. • Whether the recording schedule is active. • Whether motion detection is active.
4	What could be the reason for the device not recording even though a schedule has been defined?	Possible causes could be: • Are the date and time set correctly? • Is an SD card inserted? Is the SD card full and the ring memory inactive? • Have you formatted the SD card? This must be formatted before first use. • No movement was detected.
5	What could be the reason why the camera cannot be paired with the monitor?	Please check the following points: • The camera has no power supply. • Is the camera in pairing mode? (After supplying with power, the status LED must flash and emit the pairing tone)