



Security Tech Germany

SVIP20000 / SVIP20000U



User Manual

Important information and FAQs about this product and other products can be found on the website

<http://www.abus.com/>

Version 1.0



*Original user manual in German.
Please keep for future reference!*

Introduction

Dear Customer,

Thank you for purchasing this product.

ABUS Security Center hereby declares that the SVIP20000 and SVIP20000U cameras comply with the RED Directive 2014/53/EU. The devices also meet the requirements of the following EU Directives: the EMC Directive 2014/30/EU, the LVD Directive 2014/35/EU and the RoHS Directive 2011/65/EU. The full text of the EU Declaration of Conformity is available at the following web addresses:

www.abus.com/product/SVIP20000
www.abus.com/product/SVIP20000U

To maintain this condition and ensure safe operation, you, as the user, must follow this user manual!

Please read through the entire user manual before putting the product into service and observe all operating and safety instructions!

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If you have any questions, please contact your specialist retailer or visit our website at

<https://www.abus.com>



Data storage is subject to country-specific data protection regulations.

The commissioning of surveillance systems may be prohibited or regulated by law in certain countries. Before commissioning the system, the operator must ensure that the surveillance complies with the relevant legal framework.

Note on data protection

Under the GDPR, the operator, as the data controller, is responsible for ensuring the product is used in compliance with the law.



Warning pursuant to Section 201 of the German Criminal Code (StGB):

Anyone who, without authorisation, records another person's private conversation on an audio recording medium and uses such a recording or makes it available to a third party may be punished by imprisonment or a fine!

Similarly, anyone who, without authorisation, eavesdrops using a listening device on another person's private conversation not intended for their ears, or who publicly discloses the verbatim or essential content of another person's private conversation that has been recorded or eavesdropped upon, may be punished.



Disclaimer

This user manual has been compiled with the utmost 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 whatsoever for technical or typographical errors and reserves the right to make changes to the product and the user manuals at any time without prior notice.

ABUS Security Center is not liable or responsible for any direct or indirect consequential damages arising in connection with the equipment, performance or use of this product. No warranty is given regarding the content of this document.

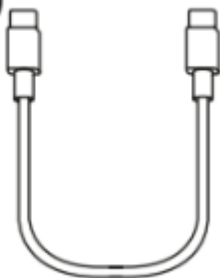
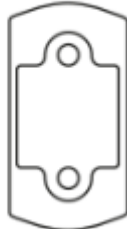
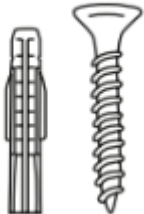
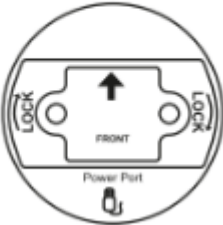
The purchaser acknowledges that, given current technological standards, it is not possible to create a software programme that is entirely free of errors. ABUS Security Center therefore guarantees neither the uninterrupted or error-free operation of the products nor the rectification of all errors. ABUS Security Center expressly disclaims any warranty that all ABUS Security Center products will function properly on all customer systems or in conjunction with integrations, solutions, applications and/or programmes, or that integrations, solutions, applications and/or programmes will function properly with subsequent versions of ABUS Security Center products and systems.

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1. package contents

1.1. SVIP20000 & SVIP20000U

1	 IP camera	2	 Power supply (SVIP20000 only)
3	 1x	4	 1x
5	 2x	6	 1x
7	 3x	8	

2. Description of the hardware

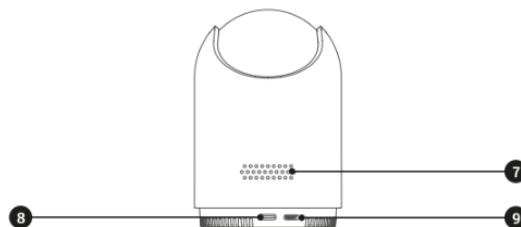
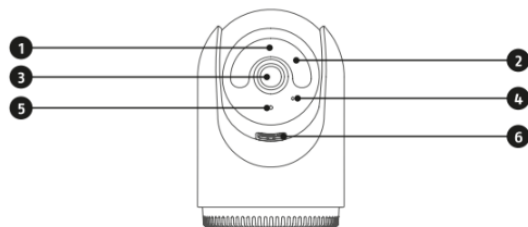
2.1. SVIP20000 & SVIP20000U

KAMERAÜBERSICHT

CAMERA OVERVIEW • VUE D'ENSEMBLE DE LA CAMÉRA • CAMERA-OVERZICHT • KAMERAÖVERSICHT • KAMERAÖVERSICHT • KAMERAÜBERSICHT • KAMERAÜBERSICHT • KAMERAÜBERSICHT • PANORAMICA DELLA TELECAMERA • VISTA GENERAL DE LA CÁMARA • VISÃO GERAL DA CÂMERA • PŘEHLED KAMERY • PREHĽAD KAMERY • PRESENTAZIONE CAMERAE • KAMERA ÁTTEKINTÉSE • PRZEGLĄD KAMERY

Funk Frequenz • Radio frequency • Fréquence radio • Draadloze frequentie • Radiofrekvens • Trådløs frekvens • Trådløs frekvens • Langaton taajuus • Frecvența radio • Frecuencia de radio • Frecuência de rádio • Rádiová frekvence • Rádiová frekvencia • Frecvență radio • Rádiová frekvencia • Częstotliwość radiowa

2,4 GHz (802.11 b/g/n) / 5 GHz (802.11 a/n/ac) max. 20 dBm



DE	GB	FR	NL	DK	SE	NO	FI	IT
1 Weißlicht-LEDs	1 White light LEDs	1 LEDs blanches	1 Witlicht-leds	1 Hvidlys-LED'er	1 Vitljus-LED	1 Hvitt lys-LED'er	1 Valkoiset LEDit	1 LEDs a luce bianca
2 IR-LEDs	2 IR LEDs	2 LEDs IR	2 IR-leds	2 IR-LED'er	2 IR-LED	2 IR-LED'er	2 IR-LEDit	2 LEDs IR
3 Objektiv	3 Objective	3 Objectif	3 Objectief	3 Objektiv	3 Objektiv	3 Objektiv	3 Obiektivi	3 Obiettivo
4 Mikrofon	4 Microphone	4 Micro	4 Microfoon	4 Mikrofon	4 Mikrofon	4 Mikrofon	4 Mikrofoni	4 Microfono
5 Status-LED	5 Status LED	5 LED d'état	5 Status-led	5 Status-LED	5 Status-LED	5 Status-LED	5 Status-LED	5 LED di stato
6 SD-Karten Slot	6 SD card slot	6 Emplacement pour carte SD	6 SD-kaartsleuf	6 SD-kort slot	6 SD-kortplats	6 SD-kortspor	6 SD-korttipaikka	6 Slot per scheda SD
7 Lautsprecher	7 Speaker	7 Haut-parleur	7 Luidspreker	7 Højttaler	7 Högtalare	7 Høytaler	7 Kalutin	7 Altoparlante
8 USB-C Anschluss 5V DC; 1,5 A	8 USB-C port 5V DC; 1,5 A	8 Port USB-C 5 V CC; 1,5 A	8 USB-C-aansluiting 5 V DC; 1,5 A	8 USB-C-port 5 V DC; 1,5 A	8 USB-C-anslutning 5 V DC; 1,5 A	8 USB-C-tilkobling 5 V DC; 1,5 A	8 USB-C-iliitäntä 5 V DC; 1,5 A	8 Connessione USB-C 5V DC; 1,5 A
9 Reset-Taste	9 Reset button	9 Bouton de réinitialisation	9 Resetknop	9 Reset-knap	9 Återställningsknapp	9 Reset-knapp	9 Nollauspainike	9 Pulsante di reset
ES	PT	CZ	SK	NO	HU	PL		
1 LEDs de luz blanca	1 LEDs de luz branca	1 LED bílého světla	1 LED bieleho svetla	1 LED-urii cu lumină albă	1 Fehér fényű LED-ek	1 Diody LED białego światła		
2 LEDs infrarojos	2 LEDs IR	2 IR LED	2 IR LED	2 LED-uri IR	2 IR LED-ek	2 Diody IR		
3 Objetivo	3 Objektiv	3 Objektiv	3 Objektiv	3 Obiectiv	3 Obiektív	3 Obiektywy		
4 Micrófono	4 Microfone	4 Mikrofon	4 Mikrofon	4 Mikrofon	4 Mikrofon	4 Mikrofony		
5 LED de estado	5 LED de estado	5 LED indikátor stavu	5 Stavová LED	5 LED de stare	5 Állapotjelző LED	4 Mikrofon		
6 Ranura para tarjetas SD	6 Ranhura para cartão SD	6 Slot pro SD kartu	6 Slot na SD kartu	6 Slot pentru card SD	6 SD-kártya nyílás	5 Dioda statusu (LED)		
7 Altavoz	7 Altifalante	7 Reproductor	7 Reprodukter	7 Difuzor	7 Hangszóró	6 Slot na kartę SD		
8 Conexión USB-C 5 V CC; 1,5 A	8 Porta USB-C 5 V CC; 1,5 A	8 USB-C konektor 5 V DC; 1,5 A	8 USB-C konektor 5 V DC; 1,5 A	8 Conexiune USB-C 5 V DC; 1,5 A	8 USB-C csatlakozó 5 V DC; 1,5 A	7 Głośnik		
9 Botón de reinicio	9 Botão de reinicialização	9 Resetovací tlačítko	9 Resetovacie tlačidlo	9 Buton de resetare	9 Reset gomb	8 Port USB-C (5 V DC; 1,5 A)		
						9 Przycisk resetowania		

3. Assembly / Installation

3.1. Assembly

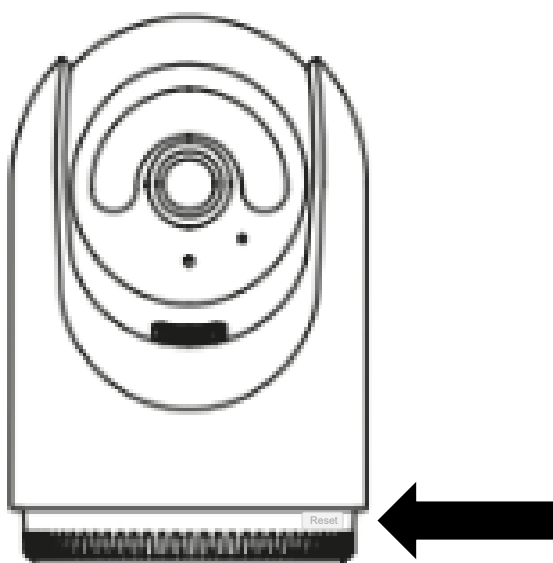
	ATTENTION! The camera must be disconnected from the mains supply during assembly.
---	--

	Installation location The camera is designed for indoor use. The camera is not suitable for outdoor use. Do not place the camera in the immediate vicinity of radiators, stoves, other heat sources or in direct sunlight. Only operate the device in locations where the temperature falls within the permissible ambient temperature range of -10°C to 45°C.
---	--

	Warning! Note on the use of IR LEDs: An IR LED (infrared light-emitting diode) is not a laser, but a light-emitting diode that emits infrared light. Lasers, on the other hand, produce a coherent (synchronised in time, phase and frequency) directional beam of light, whilst an IR LED has a broader light distribution. However, at close range between an IR LED and an object, the IR radiation can still reach high intensities and thus behave similarly to a laser. You should therefore avoid pointing the camera directly at the eye from a short distance for any length of time.
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When installing the camera, it is important to position it near a power socket for the power supply. Furthermore, a sufficient Wi-Fi signal strength is required at this location. The camera is designed for table-top and ceiling mounting.

3.2. Restoring factory settings



The reset button for restoring the camera to its factory settings is located on the lower rear of the camera, next to the power supply connector.

Press and hold this button for approximately 5 seconds to perform the reset.

Wait a further 15 seconds. The status LED will then change from blue to red. After a further 20 seconds, the camera will be ready to be reconnected to the app.

3.3. Installation instructions

When installing the camera, ensure that it is within optimal range of the Wi-Fi access point or router. The camera can only be accessed if there is a sufficient Wi-Fi signal to the router.

For installations in larger premises, a Wi-Fi repeater is recommended to optimise the range. Please note that the building's structure may affect the signal transmission.

	Note You can obtain information about compatible Wi-Fi repeaters from your network provider or the manufacturer of your router. ABUS Security Center GmbH & Co. KG does not provide any recommendations for Wi-Fi repeaters. Follow the Wi-Fi repeater's installation instructions carefully. Ideally, it should be positioned between the router and the camera.
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	Note The optional micro-SD card should be inserted before installation and before power is supplied, as the micro-SD card slot is located on the (rotatable) camera head.
---	--

3.4. Installation location

The camera is not suitable for outdoor use. The process for pairing the camera with the app is described in section 4.3, 'Setting up the camera'. To access the camera remotely, you will need a router with internet access.

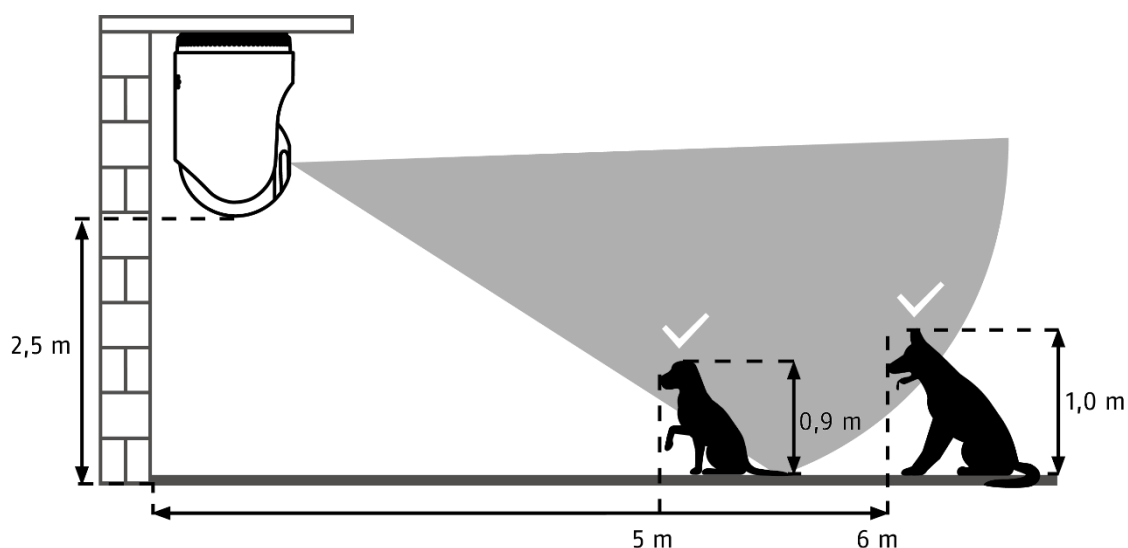
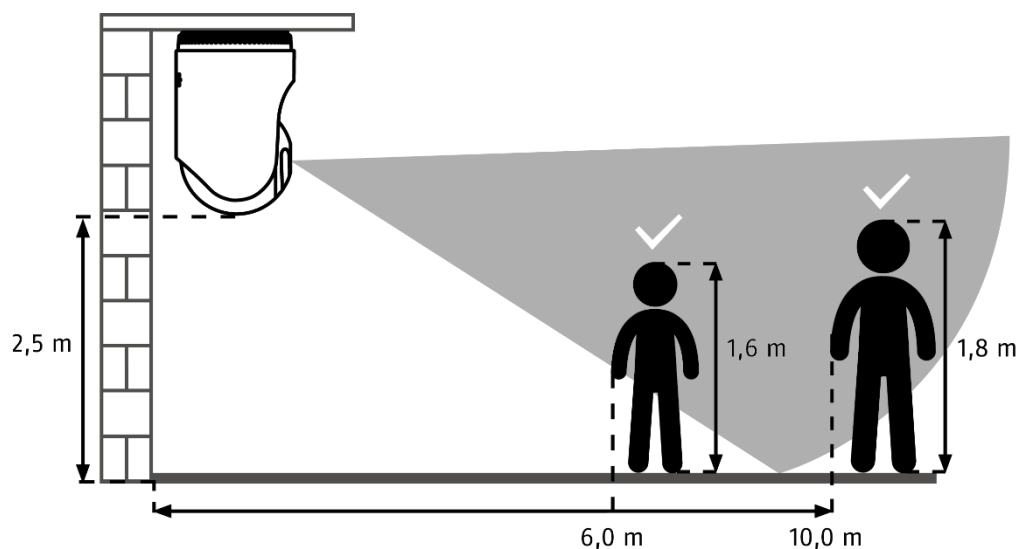
	Note Position the camera so that it is not obscured by any objects. The camera should not be directed straight at a light source.
---	--

With intelligent object recognition, the camera's detection range depends on the selected object. If the object is outside this range, it may still be 'seen' by the camera and displayed on the live feed, but it will not trigger a recording.

Intelligent object detection works reliably within the following ranges; outside these specified ranges, motion detection may occur but is not guaranteed.

Object type	Max. range
Person	10 metres
Pet	6 metres
Vehicle	20 metres

* Range is based on a person approximately 1.80 m tall.



The camera's field of view must be aligned as shown above to ensure that Intelligent Object Recognition works smoothly. Installing the camera at a steep angle to the ground will result in some objects being detected too late or not at all. This is because the detection range is insufficient to identify the object more precisely.


Note

The camera is also designed for tabletop placement. However, object recognition can only function reliably if the object types described are visible in their entirety within the video frame. When placed on a table, the view may be obstructed by objects under certain circumstances.


Note

The reliability of object detection depends on local factors. False alarms may occur in some situations.

To achieve optimum performance of object detection, certain conditions must be observed during installation and with regard to the camera's field of view:

1. The camera should be installed at a height of between 2.5 and 3 metres.
2. The height of the object within the selected frame must be between 1/16 and 1/2 of the frame height. If objects in the frame are too large or too small, they may not be recognised correctly.
3. Please note that there is a certain area below the camera that is not monitored.
4. Reflective surfaces within the field of view can interfere with object recognition.
5. Ensure that no objects in the immediate vicinity of the camera are included in the field of view.
6. Do not use object detection in areas with a correspondingly high number or frequency of objects (people, vehicles). This will result in a high number of alarms.
7. Please note that structures resembling people, animals or vehicles (e.g. images of people) may also trigger the alarm detector in the camera (e.g. an abandoned advertising banner featuring people).
8. Object detection only works reliably if the objects contrast sharply with the background of the image. This is particularly important to bear in mind when using infrared mode.

3.5. Status LED

The status LED on the front of the camera can indicate the following states.

LED	LED status	Device status
	Solid red	Device is starting up
	Flashing red	Waiting for Wi-Fi connection
	Blue steady	Wi-Fi connected
	Flashing blue	App operation
	Red/blue flashing	Network disconnected
	Solid purple	Firmware update
	LED off	No power supply / Restarting after reset

4. EYSEO: Initial access

4.1. System requirements

Please note the following points to ensure straightforward commissioning:

- 2.4 or 5 GHz Wi-Fi network with password and encryption (Wi-Fi 4/5/6, WPA-2).
- Smartphone running Android (version 11 or later) or iOS (version 12 or later)
- The mobile device's location service must be enabled for network integration.
- Required app permissions: Notifications, Nearby devices (Android) or Local network (iOS), Camera, Microphone, Location
- Network integration of the SVIP20000/SVIP20000U cameras can only be carried out in conjunction with the Eyseo app (Android, iOS), as these cameras only have a Wi-Fi interface.
- When entering the Wi-Fi password, only the following special characters are permitted.

%	(	)	-	.	:	=
^	_	{	}	~	!	#
\$	“	*		;	[	]
+	@	~	?	/	\	

4.2. Download the app

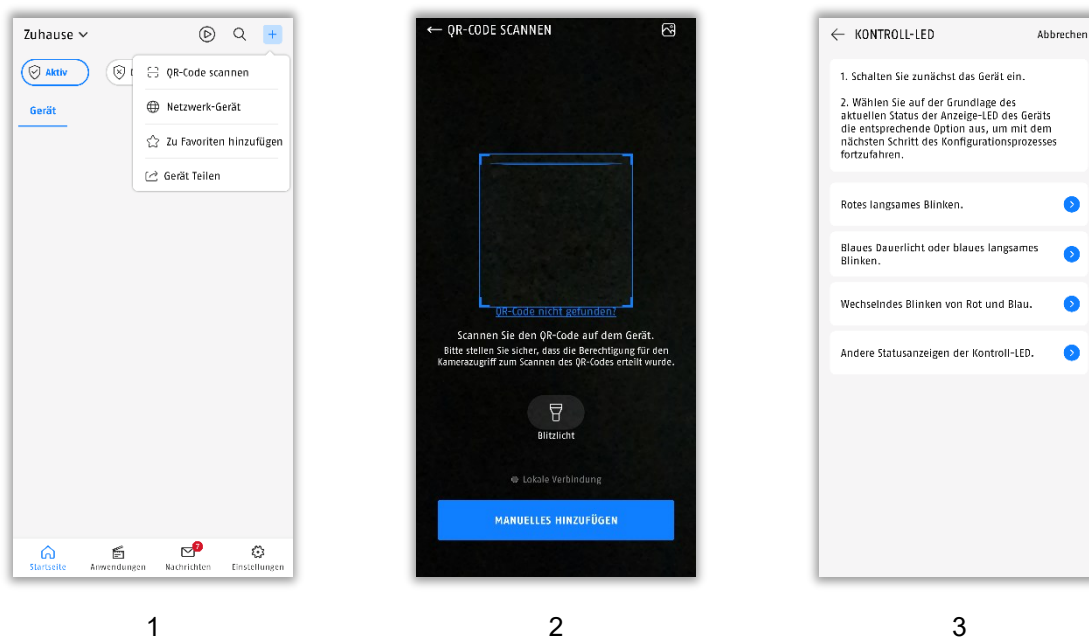
To use the app for the first time, download the Abus 'EYSEO' app from the Google Play Store or the Apple App Store.



Once the installation is complete, a user account must be registered with Abus.

4.3. Setting up the camera

4.3.1. Wi-Fi setup



1

2

3

1. Launch the EYSEO app, tap the plus sign at the top of the screen and select 'Scan QR code' to begin the set-up process.

2. Option 1 (QR code, cloud): Scan the QR code located on the camera base. Now select the status of the camera's status LED.

3. Option 2 (IP address, local): Tap the 'Add manually' button and then enter the camera's IP address/ID and password. For this option, the camera must already have a password set (already activated via the app).

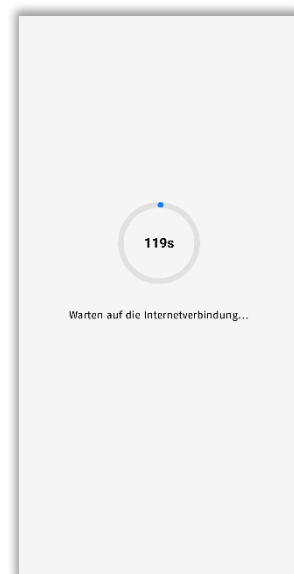


Note

For optimal setup, the camera and the smartphone/tablet should be as close to each other as possible so that the status LEDs are visible

4

5



6

4. Now enter your Wi-Fi name (SSID) and Wi-Fi password.

5. Next, you must set and confirm a login password for the device.

6. The Wi-Fi details will now be transferred to the camera. A connection between the camera and your Wi-Fi network should be established within 120 seconds at the latest.

7

Afghanistan_Kabul	GMT+4:30
Albania_Tirane	GMT+1:00
Algeria_Algers	GMT+1:00
America_Alaska	GMT-9:00
America_Anchorage	GMT-9:00
America_Araguaina	GMT-3:00
America_Arizona	GMT-7:00
America_Atka	GMT-10:00
America_Atlantic	GMT-4:00
America_Boise	GMT-7:00
America_Chicago	GMT-6:00
America_Denver	GMT-7:00
America_Detroit	GMT-5:00

8

9

7. You can now set the device name. (This can also be done later)

8. Here you can select your country to set the time zone. (This can also be done later.)

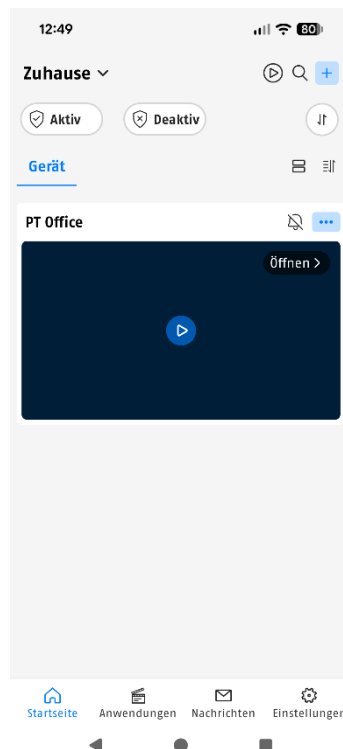
9. Finally, you can format your SD card. (This can also be done later)

**Note**

For optimal setup, location services must be enabled in the settings.

**Note**

For the best possible camera experience, we recommend always running the camera with the latest firmware. You can find the current firmware version and available updates under “Camera settings” > “About the device” > “Check for system updates”.



Set-up via the app is now complete. The app will now display the camera overview. An initial live view of the registered camera will be displayed when you access the camera for the first time.

5. EYSEO: Overview

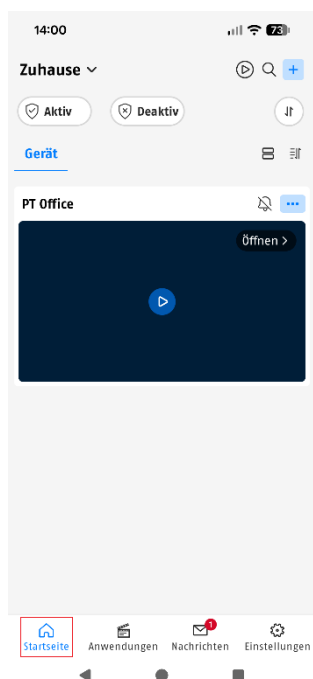


Note

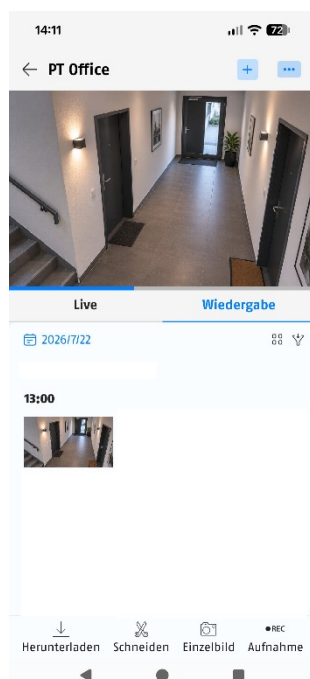
The screenshots and icons shown are taken from the Android app.

There may be slight differences from the iOS app in terms of labelling, layout or functionality. This is described in the relevant sections or indicated with the note (iOS only) or (Android only).

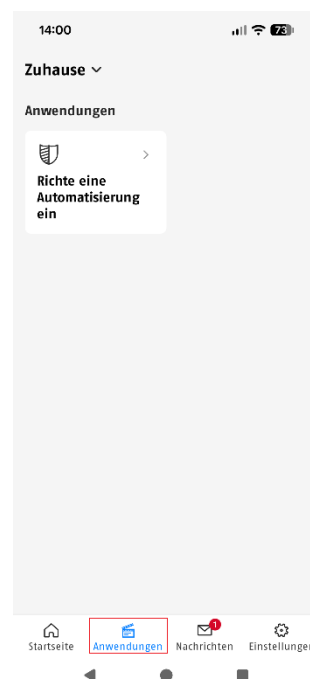
1. On the **home screen** (5.1. Home screen/Camera overview), you can open the **live view** (7.2. Live view) of any of your registered cameras by clicking on one of their thumbnails.
2. In the **playback menu** (8.1. Playback), you can then play back and download available recordings.
3. In the **'Applications' menu** (5.3. Applications menu), you can create automations.
4. In the **'Messages'** menu, you will find all information about camera events, system events and events from locally configured devices.
5. In the app's **'Settings'** (5.4. Info/Account Settings), you'll find your account settings, downloaded recordings, options for sharing devices, and further feature settings and information.



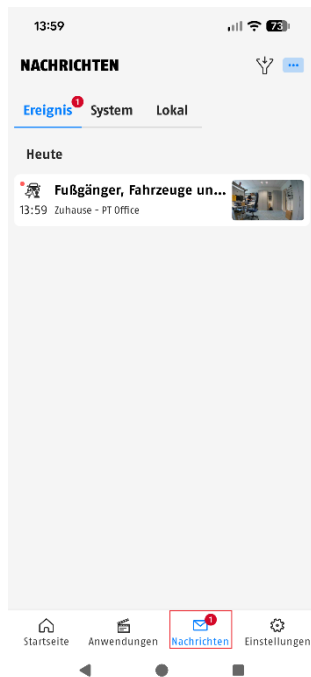
1. Camera overview
(Home screen)



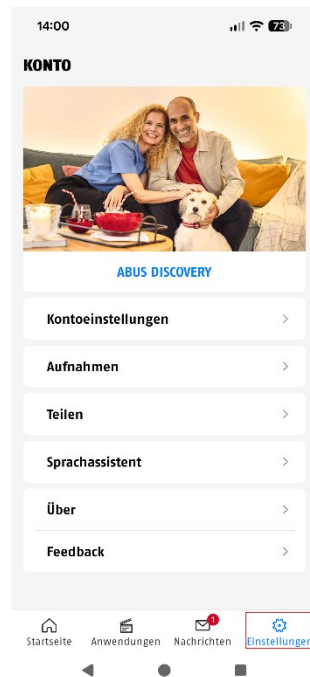
2. Recording menu
(Playback)



3. Applications
(Automations)



4. Messages



5. App Settings / Info

5.1. Home Overview



Startseite



Scan a camera's **QR code** to add it, **add a network device**, **customise** your **camera favourites**, or **share** access to one of your **devices**.



Search for a **device** / **channel** / **favourite** named



Change the device list view



Enable/disable **Do Not Disturb mode** for the camera. When enabled, notifications and alarms are silenced. However, recordings continue and can be viewed in the Messages menu.

Note: if notification schedules are enabled, these will override the manual activation/deactivation of Do Not Disturb mode when the scheduled time occurs.



Set replay details / Search for recordings



To open the **camera settings**, add the device to your **favourites**, and **share** access to the device with other app users.



Settings for the **order** of devices in the device list.



Aktiv



Deaktiv

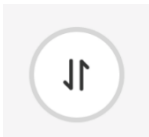
Enable and disable the configured **automations**. (See section 5.3.1. Creating automations for more details)

Zuhause ▾

Zuhause

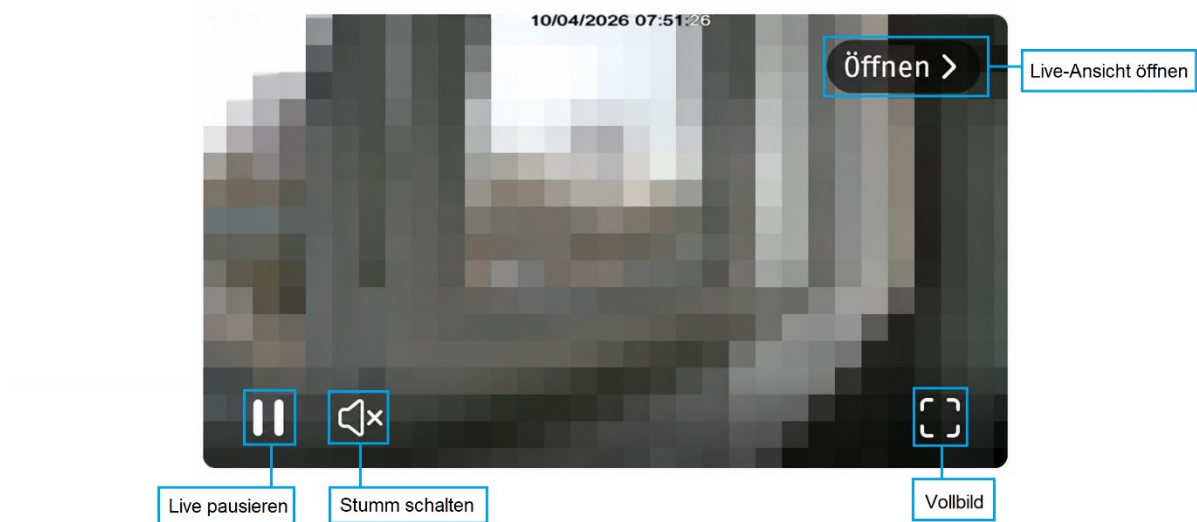
Standard

Verwalten



To manage the order of **automations** on the home screen.

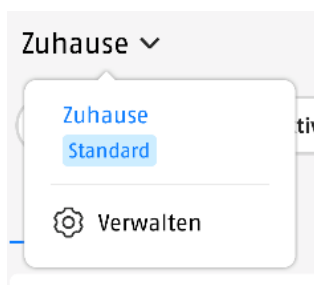
Small live view of the cameras in the device list:



5.2. Applications menu

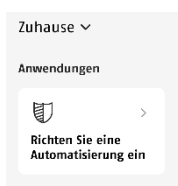


Anwendungen

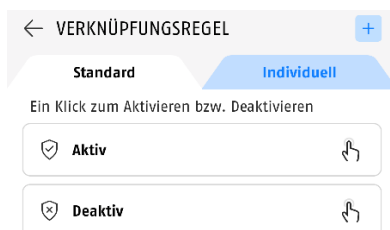


To select a group or create a new group (manage).

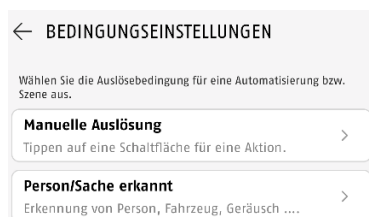
In the settings menu for group management, all groups can be managed individually (group name / devices / users) and a new group can be created using the 'Plus' icon.



1. Go to the Applications page and then select 'Set up a new automation'.



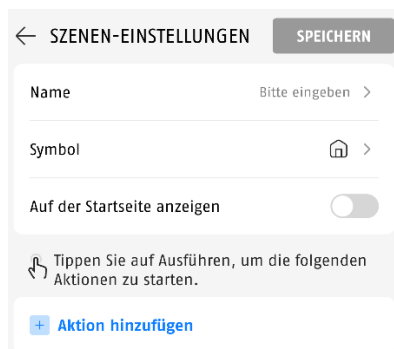
2. To create a new automation, tap the plus icon at the top right of the screen.



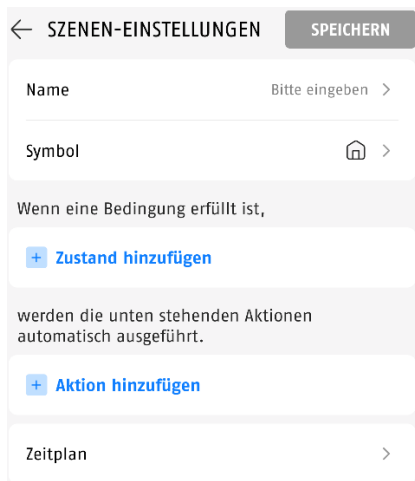
3. Here you can choose the condition under which the camera should execute an automation.

A: Manually, when you press a button on the home screen

B: When an event is triggered by a detector.


A:

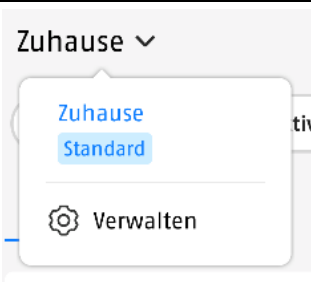
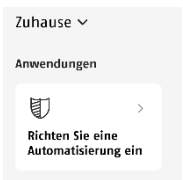
4. If you have opted for manual activation via a button, you must now select the name of the automation, an **icon** of your choice and the **action** to be carried out. To do this, select the desired camera and the desired **automation** under 'Add action'. You can now confirm your selection using the save button in the top right-hand corner.

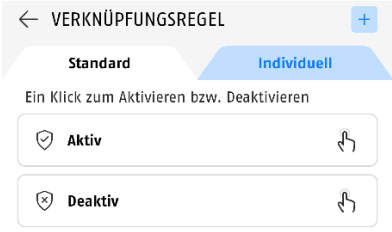
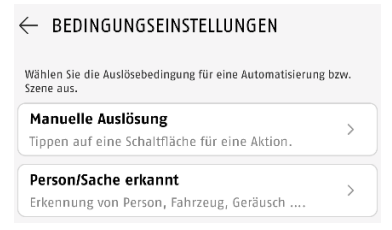
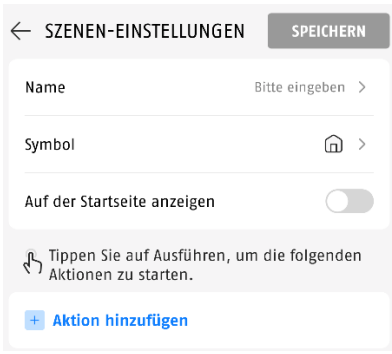
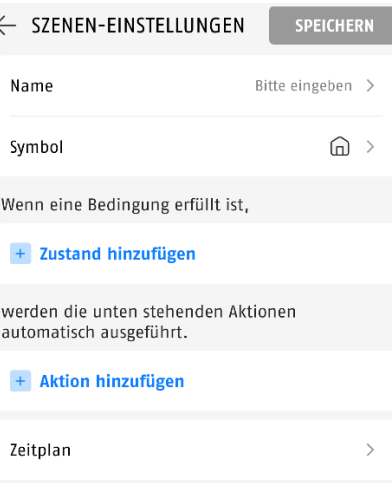

B:

1. If you have opted for an automation triggered by event detection (person/object detected), you must also name the automation and select an icon of your choice.

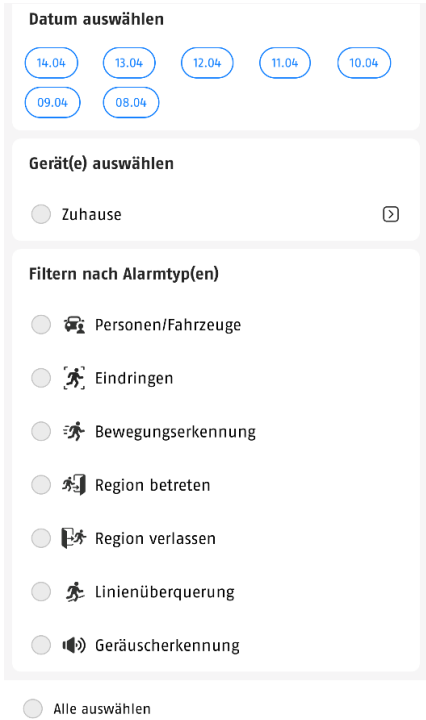
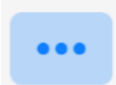
You must now **add a condition**. To do this, first select your device and then the event detection that is to trigger the automation. Now, under '**Add action**', specify the action to be carried out if the event detection is triggered. You can now set a schedule for when the automation should be active. (Create a schedule under '8.3.1. General settings')

5.2.1. Create automation

 Anwendungen	
	To select a group or create a new group (manage). In the settings menu for group management, all groups can be managed individually (group name / devices / users) and a new group can be created using the 'Plus' icon.
	1. Go to the Applications page and then select 'Set up a new automation'.

	2. To create a new automation, tap the plus icon at the top right of the screen.
	3. Here you can choose the condition under which the camera should execute an automation. A: Manually, when you press a button on the home screen B: When an event is triggered by a detector.
	A: 4. If you have opted for manual activation via a button, you must now select the name of the automation, an icon of your choice and the action to be carried out. To do this, select the desired camera and the desired automation under 'Add action'. You can now confirm your selection using the save button in the top right-hand corner.
	B: 1. If you have opted for an automation triggered by event detection (person/object detected), you must also name the automation and select an icon of your choice. You now need to add a condition. To do this, first select your device and then the event detection that is to trigger the automation. Under 'Add action', specify the action to be carried out if the event detection is triggered. You can now set a schedule for when the automation should be active. (Create a schedule under "8.3.1. General settings")

5.3. message overview

NACHRICHTEN	
Ereignis	Notifications received due to a camera being triggered (event detection)
	Filter event detections by specific categories. (Date / Alarm type / Device) More on this: 
 Datum auswählen 14.04 13.04 12.04 11.04 10.04 09.04 08.04 Gerät(e) auswählen ☐ Zuhause Filtern nach Alarmtyp(en) ☐ Personen/Fahrzeuge ☐ Eindringen ☐ Bewegungserkennung ☐ Region betreten ☐ Region verlassen ☐ Linienüberquerung ☐ Geräuscherkennung ☐ Alle auswählen	Select date: Here you can select the date on which the event took place. Select devices: Here you can select device groups or devices that recorded the event. Filter by alarm type(s): Here you can set a filter for the event type. If you select 'Select all', you will deactivate the filter and all events will be displayed.
 Bewegungserkennung Zeit 15.04.2026 06:42:05 Quelle Zuhause - SVIP20000 LIVE WIEDERGABE	Tapping on an event in the event list opens this menu, where you can either open the camera's live view directly or access the recording in the playback menu.
	To filter event detections by specific categories (date / alarm type / device)
	Mark all messages as read / delete all messages / select messages and delete them individually or mark them as read

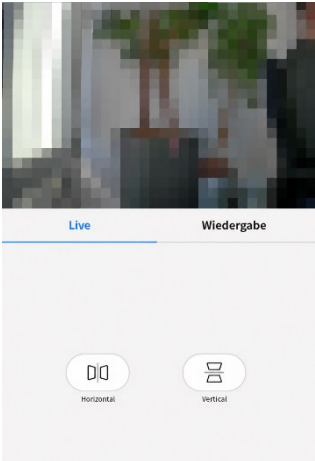
5.4. Info / Account settings

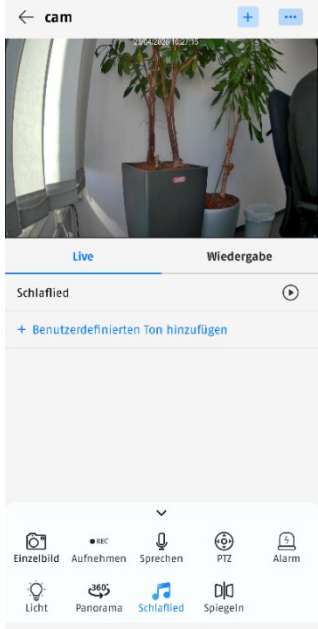
EINSTELLUNGEN	
ABUS Discovery	This link takes you to the ABUS end-customer shop.
Account settings	Here you can change your name and password. You can also enable biometric authentication, which allows you to log in to the app using Face ID or your fingerprint, provided your mobile phone supports this feature. Logging into the Eyseo app on a new device may require two-factor authentication. This can be enabled via this menu option.
Recordings	The recordings menu displays all recordings (single images, videos) created in the app. You can delete these, download them to your device or share them with someone by tapping 'Edit' in the top-left corner.
Share	Here, you can share and manage entire groups of devices or individual devices with other app users. The other app users must also have an active account in the Eyseo app.
Voice assistant	Enable voice assistants such as Alexa or Google
About	Here you'll find all legal information, such as the terms of use , privacy policy and open-source information . You can also clear all cache data here (alarm images/thumbnails).
Feedback	When sending feedback to Abus, you have several options: writing a message or attaching images, such as screenshots. You can also forward all app and device logs to receive even better help and support.

6. EYSEO: Live Image Overview

Various functions are available in the live view. Click on the preview image and then on 'Open'.

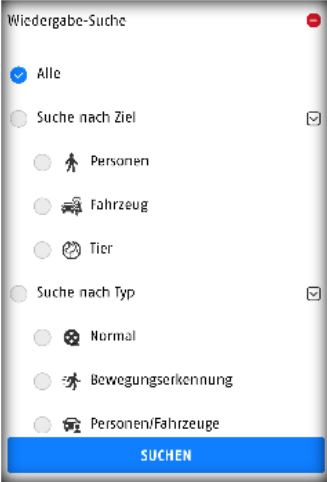
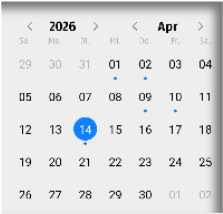
6.1. Live features

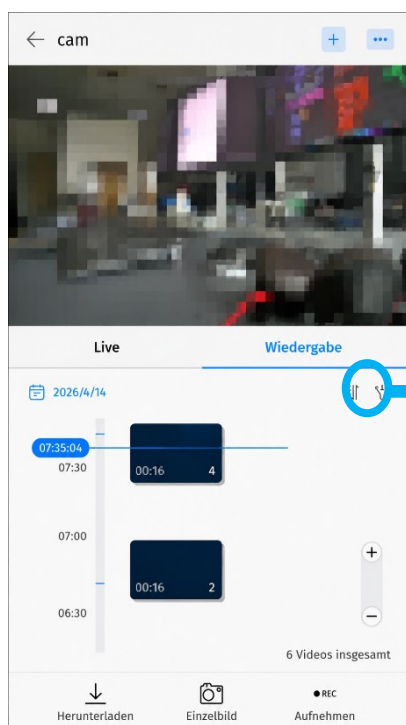
	
 Aufnehmen	Start recording
 Einzelbild	Take a still image of the current live view
 Sprechen	To activate the intercom function
 Alarm	Activate the siren
 PTZ	To control the camera's 360° view (joystick)
 Licht	Switch the IR LEDs on and off (night vision)
 Spiegeln	Flip image
	If the camera is ceiling-mounted, you can rotate the camera's view vertically and horizontally here.
 Panorama	360° panorama: the camera automatically moves the pan-tilt head to create a 360° image of the room.

	The panorama function allows you to create a 360° image that you can navigate. When you tap a point on the image, the camera moves to that exact position so you can view it in live view.
 Schlaflied	Lullaby: Play a short pre-set melody or record your own sounds via the microphone.
	Here you can play a pre-programmed lullaby or your own custom sounds. To add your own sound, tap 'Add custom sound'. 
	As long as you hold down the microphone icon, you can record your own sound. You can then listen to the result and decide whether to delete the recording or save the sound. Finally, you need to give the recording a name.

7. EYSEO: Playback Menu

7.1. Playback

 	After opening a camera, select 'Playback' instead of 'Live'. In the playback menu, you can set a start and end time as well as the type of detection. To do this, click on the date selector and the funnel icon. The results will now be filtered according to the time period you have specified and the type of event detection.
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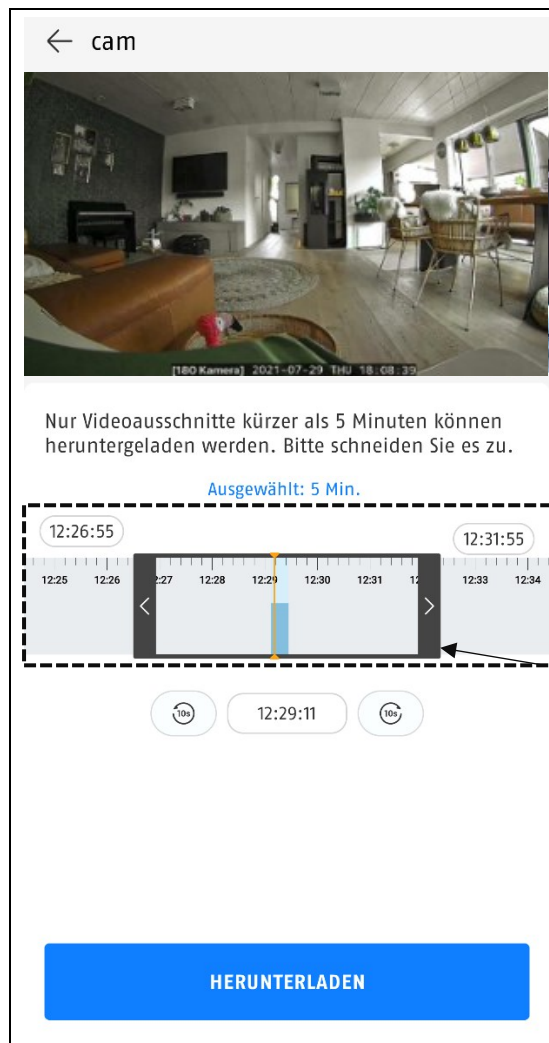
The timeline overview displays the frequency of triggers for different time periods.

Recordings with object detection are displayed with icons indicating the detection.

Click on the thumbnail to view it; the object that triggered the event is shown here.

7.1.1. Playback functions

 Einzelbild	This button captures an image of the moment currently displayed in the playback window and saves it to the app or your smartphone.
 Aufnehmen	To take a screenshot of the currently displayed moment in the playback window. Pressing it again stops the screenshot.
	Changes the display view of the event preview from a simple event view to a timeline view.
	To search for specific event types , such as people only.
	Select the camera(s) in which to search for event detection.
	Open camera settings , share camera access with other app users, add the camera to your favourites list .



In the editing menu, you can trim a recorded video to extract the key moments. The trimmed clip must not exceed 5 minutes in length.

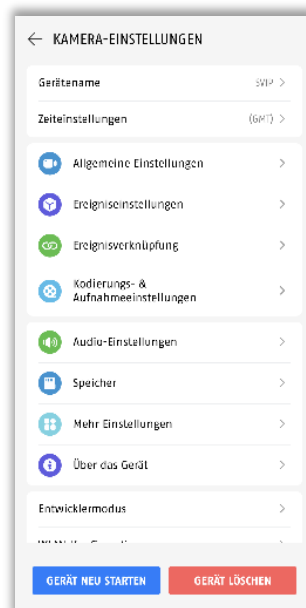
Use the arrows on the right and left to specify where the clip starts and where it ends.

Use the left and right arrows to fast-forward or rewind by 10 seconds to better determine the exact position.

8. Camera settings

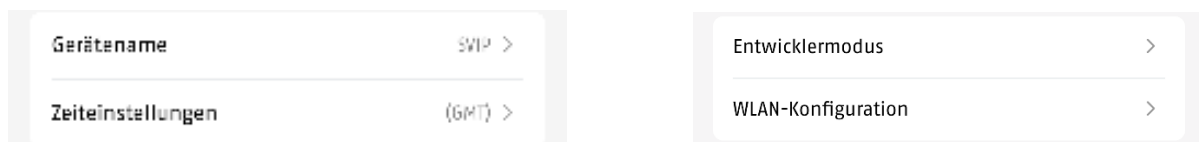
8.1. Open camera settings

To open the camera settings, click on the three dots at the top of the camera overview.



8.2. General camera settings

In the settings, you can manually change the camera's login details:



- | | |
|-----------------------------|--|
| Device Name: | Change the camera's name here. |
| Time settings: | Change the time zone manually here |
| Wi-Fi configuration: | Change your Wi-Fi connection here |
| Developer mode: | Enable this to access the app's error messages |

Discard changes using the 'Cancel' button or save them using the 'Save' button.

8.2.1. Display settings

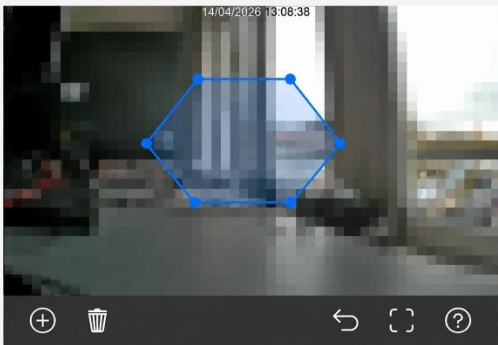
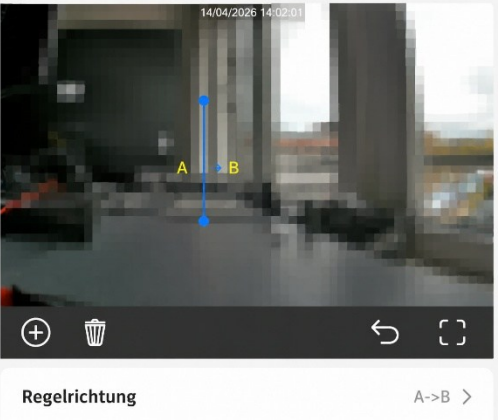
Channel name	Change camera name
Date format	Date format (Germany / USA / ISO standard)
Time format	Change time format (24-hour / 12-hour)
Video standard	Video standard (50 Hz / 60 Hz) Sets the camera's frame rate. 50 Hz: Europe 60 Hz: USA/Japan Select the appropriate setting to prevent screen flicker.
Anti-flicker	Setting to prevent image flickering under artificial lighting
Show channel name	Display the assigned channel name in the live view
Show date	Setting to determine whether the date should be shown in the live view and in the recording
Privacy mode	You can manually activate privacy mode here. In privacy mode, the video feed and audio transmission are stopped, and the camera head moves to a position where the camera is pointing 'downwards' into its own housing. This feature can be very useful for private users at home, as it stops and prevents any transmission of video or audio. Privacy mode can also be enabled and disabled via a button on the app's home or live page (including for multiple cameras simultaneously).

8.2.2. Image settings

Image settings	You can choose between 3 image settings here: Full-colour mode / Day/night mode / Intelligent lighting Full-colour mode: The camera provides a colour image both day and night. The white light LEDs are activated to provide additional illumination at night. Day/Night mode: The camera provides a colour image during the day and a black-and-white image at night. The IR LEDs are activated to provide support at night. Smart Lighting: The camera provides a colour image during the day. At night, it initially provides a black-and-white image and switches to a colour image when an event is triggered (e.g. a person is detected).
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	The determination of whether it is day or night is based on the image brightness.
Light intensity	Adjustment of the brightness of the white light LEDs / IR LEDs
Anti-overexposure	Exposure adjusts in the event of strong sunlight to prevent overexposure.
DWDR (Digital Wide Dynamic Range)	Improves image quality in situations with significant differences in brightness (e.g. backlighting). Bright and dark areas are rendered more evenly.
Vertical image flip	For vertically rotating the image if the camera has been installed on the ceiling.
Horizontal image flip	For horizontally rotating the image if the camera is installed on the ceiling.

8.3. Event settings

Activity Zone	Aktivitätszone Definieren Sie den Bereich, den Sie erkennen möchten.	For each event, you can define an area in which AI detection should take place. To do this, tap 'Activity Zone'. There are two types of activity zones: A: a mask B: A line
Activity Zone	← Aktivitätszone Speichern 	A: 1. To create a new motion mask, tap the plus sign at the bottom left of the live view. Use the hexagons to mark the area where events are to be detected.
Activity zone (line crossing)	 Regelrichtung A->B >	B: To create a new line for line-crossing detection, tap the plus sign on the left below the live view. You can now use the two endpoints to customise the line to suit your requirements. Under 'Direction of travel', you can specify whether the crossing should be detected in both directions, or only from left to right or from right to left.

Settings for the activity zones

Zielgültigkeit 3 >

Min. Pixel für Zielderkennung

64

Min. Max.

Max. Pixel für Zielderkennung

640

Min. Max.

Empfindlichkeit

50

Niedrigste Höchste

Erkennungsziel

☒ Personen

☐ Motorisiertes Fahrzeug

☐ Nicht-motorisiertes Fahrzeug

You can now configure a number of settings for the various event detections:

Target validity:

Target validity allows you to set the percentage of certainty the AI requires for detection. If you set the target validity to one, targets will be detected more frequently, as the AI only needs to be 25 per cent certain. If you set it to three, it must be 75 per cent certain for a target to be detected.

Target detection:

A minimum and maximum pixel value has been defined for target **detection**.

The minimum value of 64 pixels ensures that an object can be detected at all.

The maximum value of 640 pixels enables significantly more accurate detection and improves the level of detail displayed.

Sensitivity:

You can use the **sensitivity slider** to adjust the detection sensitivity from 1 to 100.

Detection target:

You can also specify which **targets** should be **detected** and which should be excluded from detection. If you tick the small circle, you enable detection for that target.

Schedule settings under '8.4. General settings'

Noise detection

Geräuscherkennung ☒

Steigern Sie die Empfindlichkeit

50

Niedrigste Höchste

Geräuschintensität

50

Niedrigste Höchste

Zeitplan >

Auslöser-Aufnahme ☒

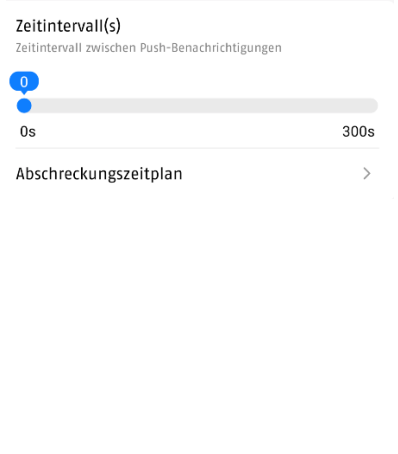
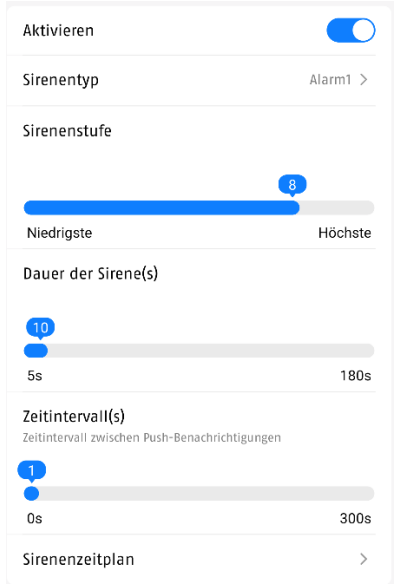
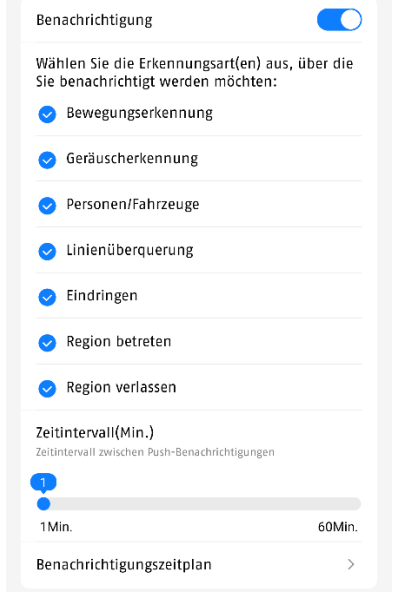
You can also enable **sound detection**. This detects sounds and triggers an alarm. Using the sensitivity slider, you can control how loud the sound needs to be for the camera to trigger.

You can also set whether the camera should trigger at all when it detects a sound.

(Schedule settings can be found in the General Settings.)

Activate Area/Rule		Each individual zone or line drawn by a detector can be enabled or disabled separately. Clicking on each zone or line displays its individual status.
Siren	Sirene 	Siren On / Off
Recording on trigger	Auslöser-Aufnahme 	Recording on event detection
Dwell time	Verweildauer (s)  0s 10s	This option is only available for the 'Intrusion' detector. This parameter specifies the length of time an object (person, motorised vehicle, non-motorised vehicle) may remain in an area without triggering an event (0–10 seconds).

8.4. Event linking (actions)

Flashing light		The camera's flashing light can be activated as a deterrent when an event occurs (activated in the event settings). The flashing light is only available in 'Day/Night mode'. You can configure the duration of the flashing (5–180 seconds), the time interval until the next activation of the flashing light (the light will not flash during this time, even if an event occurs) and a schedule for the activity.
Siren		By selecting the siren type, you can change the siren sound. The siren level determines how loud the siren should be. This can be adjusted from 1 to 10. You can set the duration of the siren following detection from 5 to 180 seconds. The time interval (1–300 sec.) specifies the pause time until the siren is activated again following an event. A schedule can also be created and configured for the siren's operation.
Notifications		In the notification settings, you can specify which events you wish to be notified about. You can enable these by ticking the blue box. You can also set the time interval between push notifications from 1 to 60 minutes. You can also create a schedule for receiving notifications.

Schedule		To create a schedule, tap 'Schedule' in the settings and then 'Create new schedule'. Now use 'from' and 'to' to specify when the schedule should start and when it should end. As soon as the time specified in 'from' is reached, event detection is activated. You can now select the days of the week on which the schedule should be active. A maximum of 8 schedules can be configured.
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8.5. Encoding & Recording Settings

Encoding

Kodieren ☒	In the encoding settings , you can configure the following settings for the Main (1st video stream) and SubStream (2nd video stream):
MainStream >	
SubStream >	
Aufnehmen ☒	Resolution: The resolution determines how many pixels an image has. A higher resolution results in sharper images and greater detail, but also requires more storage space.
Aufnehmen >	
Zeitplan >	Frame rate (FPS): The frame rate specifies how many frames are transmitted or recorded per second. A higher frame rate ensures smoother motion, but increases the amount of data.

← MAINSTREAM

SPEICHERN

Auflösung	2560 x 1440 >
Bildrate	20 >
Kodierungsformat	H.265 >
Kodierungsmodus	VBR >
Videoqualität	Höher >
Konfigurationsmodus	Vordefiniert >
Bitrate	1024 >
I-Frame-Intervall	40 1 80
Audio	☐

Encoding format:

The encoding format (e.g. H.264 or H.265) determines how the video is compressed. Modern formats such as H.265 offer better compression and save data whilst maintaining the same quality.

I-frame interval:

The I-frame interval determines how often a complete frame is transmitted. Shorter intervals improve image quality during movement, but increase the transmission bandwidth and storage requirements.

Encoding mode:**CBR (Constant Bitrate):**

With CBR, the data rate remains constant regardless of the image's complexity. This ensures a stable network load, but may consume an unnecessary amount of storage for simple scenes or reduce quality for complex scenes.

VBR (Variable Bitrate – variable bitrate):

With VBR, the data rate adapts to the image content. When there is little movement, a lower data rate is used; when there is a lot of movement, a higher one is used. This ensures that bandwidth and storage are used efficiently.

Audio: Audio transmission and storage can be enabled or disabled separately for the first and second video streams. For data protection reasons, disabling this feature is recommended (factory setting).

Recording

- Stream mode:** Here you can specify which video stream is used for recording (MainStream or SubStream).
- Recording:** Enabling the recording function
- Pre-recording:** The camera buffers the video for a few seconds to capture relevant footage prior to the event occurring. The entire recorded event video thus shows the event unfolding from its very beginning. The pre-recording duration is (depending on the camera's current storage status) only up to a few seconds.
- Network failure:** TBD
- Schedule:** The recording schedule can be set globally for normal recording (continuous recording) and all recording types for motion-triggered events. The schedule for noise detection is configured directly in the noise detection settings. Each detector also always has its own individual schedule.

8.6. audio settings

Audio-Kodierung G711A >

Ausgabelautstärke

 8

Stummschalten Max.

Eingangslautstärke

 8

Stummschalten Max.

Abtastrate 16000 >

In the audio settings, you can set the camera's input and output volume. This can be adjusted on a scale of 1–10.

The sampling rate determines the quality of the audio transmission; here you can choose between 8000 kHz (less data, poorer sound) and 16000 kHz (more data, better sound).

8.7. Storage settings

Überschreiben Auto >

SD Card ☐

Status Normal

Speicherplatz verf./ges. 18G/28G

Aufnahmezeit 40Hour/65Hour

Here you can specify whether the contents of a full SD card should be overwritten or whether recording should stop.

Below this, after selecting the SD card, you can format the card to restore it to its standard format.

8.8. Further settings

Status-LED ☒

Automatische Kalibrierung >

The status LED can be switched off, and you can also calibrate the pan-tilt head.

8.9. Device information

Device information	Explanation
Device ID	For this camera type, this ID is always 000000
Device Name	Name of the device platform
Device type	Model number
Hardware version	Indicates the physical version of the camera.
Software version	Current firmware version of the camera
IP address	The camera's network address. This is required to access the camera on the local network (via a web browser).
P2P ID	The device's ID on the P2P server
Cloud ID	Identifier for connecting to the EYSEO cloud service