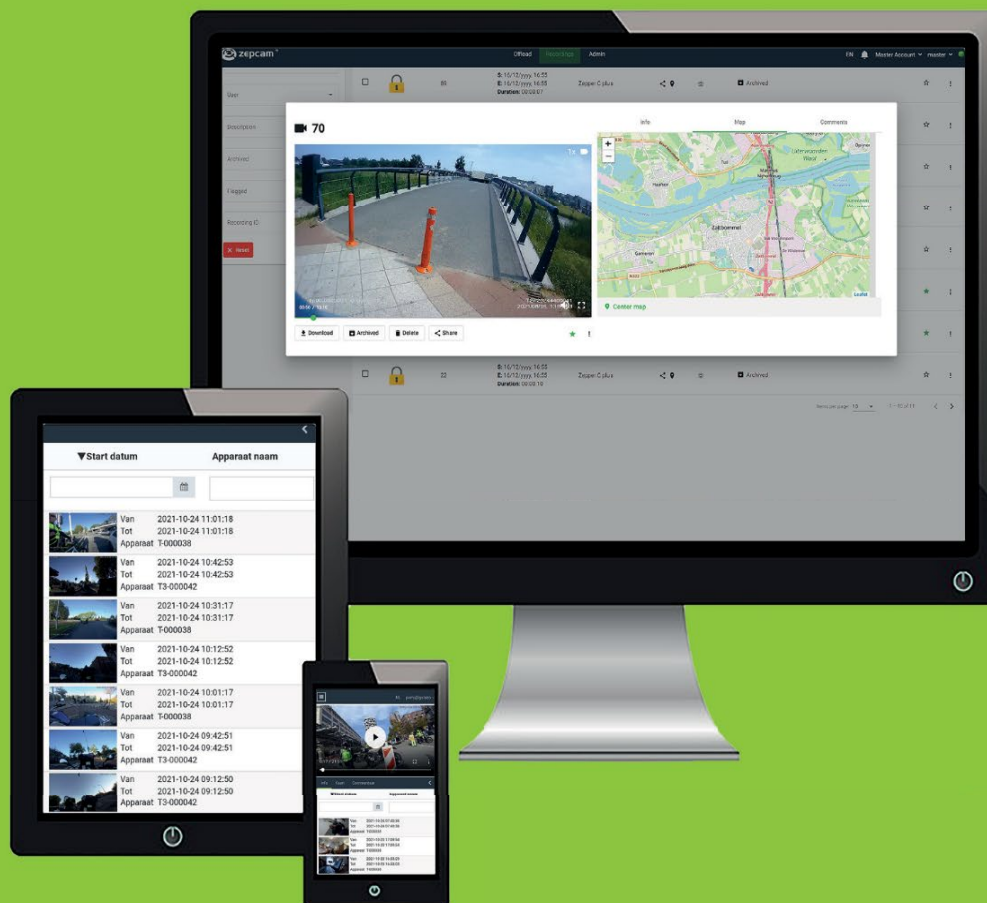


ZEPCAM MANAGER

INSTRUCTION MANUAL



zepcam™

PROFESSIONAL BODYCAM SOLUTIONS

Welcome!

We hope you will enjoy our product as much as we enjoyed creating it.

Summary

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Revision history

Revision	Date	Changes
1.0	18-April-2018	Initial version
1.1	27-May-2018	Browser compatibility
1.2	06-Aug-2018	New advanced functionalities, general improvements
1.3	1-Nov-2018	Various functionality updates
1.4	16-Aug-2019	Added 2FA and T2+ authorization
1.5	9-Sept-2019	Added R1 2019 Functionality
1.6	20-Aprli-2020	Added multiple public IP address explanation
1.7	26-Nov-2021	Added Reason for Consulting a Recording and Redaction
2.0	6-Feb-2023	Removed Zepcam MVB and Zepcam T1 Live
3.0.0.x	19-April-2023	Added Zepcam T3 and Zepcam Smart Scan
3.0.0.29	2-Nov-2023	Rework complete document, remove legacy devices and removed ONVIF
3.0.0.44	6-May-2024	Added new T3 Device Profile settings (T3 camera firmware: 3.1.2) and complete document review
3.0.0.48	21-May-2024	Added new T3 Device Profile settings (T3 camera firmware: 3.2.0)
3.0.0.50	29-May-2024	Document review (T3 camera firmware: 3.2.0)
3.0.0.57	31-Oct-2024	Added AGPS, Mini cam microphone, GPS offload

1 INTRODUCTION

ZEPCAM Manager is the web-based user interface of the ZEPCAM Server Software. It is used to run and manage all aspects of your mobile video operation. The main functionalities of ZEPCAM Manager are:

- System setup (connect cameras, add users etc)
- Manage devices and users
- Store and manage video evidence
- View live streams and GPS position
- Integrate with third party software like video management systems

This manual describes the main functionalities of ZEPCAM Manager.

1.1 Cloud versus on-premises software

Manager is available as Cloud solution (hosted and managed by ZEPCAM) and as on-premises solution (installed on the IT network of the client). The on-premises software is available as Standard version and Enterprise version. The Standard version supports users and devices to be organized in one account. The Enterprise version supports multiple accounts, The Enterprise version is developed for larger organizations where more authorization levels are needed and for separation of users and data when an organization has multiple departments.

1.2 Requirements

The following is needed for using ZEPCAM Manager

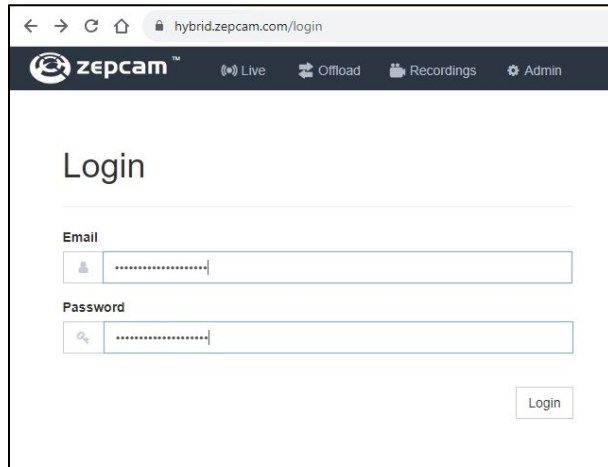
1. A computer/notebook/smartphone or tablet with (internet) connection to the ZEPCAM Server or Cloud and an internet browser; for best results, Google Chrome or Microsoft Edge is recommended.
2. ZEPCAM Manager account. The URL and login details are supplied to you when acquiring a ZEPCAM Cloud solution or by the person responsible for installing and configuring the on-premises ZEPCAM Server Software.
3. Bodycam(s), either T2+ and/or T3 Live. In ZEPCAM Manager, a T2+ Bodycam is noted as T2P.

2 SETTING UP ZEPCAM MANAGER

This chapter describes the initial setting up steps of ZEPCAM Manager, further detailed information can be found in next chapters. Advanced settings are described in [Chapter 7](#).

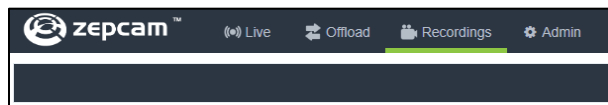
2.1 First login

Go to the URL, this can be for example www.hybrid.zepcam.com and enter your login details (email address and password), confirm with “Login”:



ZEPCAM Manager login window

After successful login, ZEPCAM Manager will show 4 tabs on the left:



ZEPCAM Manager startup page, main menu on top left

The Recordings page is displayed by default. The tabs are:

- **Live**
This page shows general status information about T3 Live Body cameras and the available livestream(s). See [Chapter 3](#)
- **Offload**
This page shows the overview and status of the Cameras and the Docking Stations.
See [Chapter 4](#)
- **Recordings**
This page shows the recordings. See [Chapter 5](#)

- **Admin**

This is the administration page of ZEPCAM Manager. See [Chapter 6](#)

On the right, ZEPCAM Manager shows the actual language, the status of Redaction (when available), Notifications, the account name and username.



ZEPCAM Manager startup page, status top right

Notes: The ZEPCAM Manager page is not refreshed automatically.

2.2 Change password

It is strongly recommended to change the password after first login. Click on your username on the upper right corner and select “Change Password”. Follow the instructions.

2.3 Language

The language within ZEPCAM Manager can be selected from a default list of available languages.

Click on the language icon on the upper right corner. The current list of languages will appear, select the appropriate language. Additional languages can be imported on request.

2.4 Two Factor Authentication

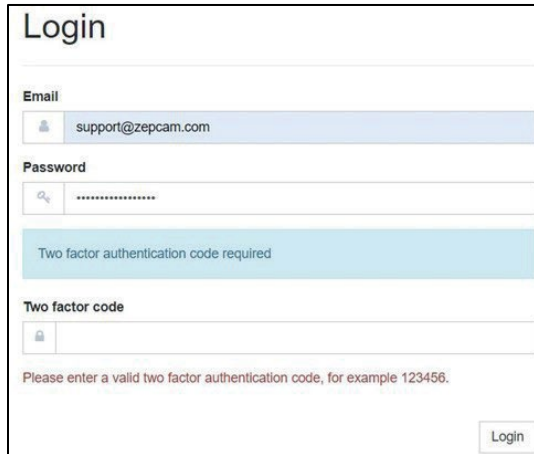
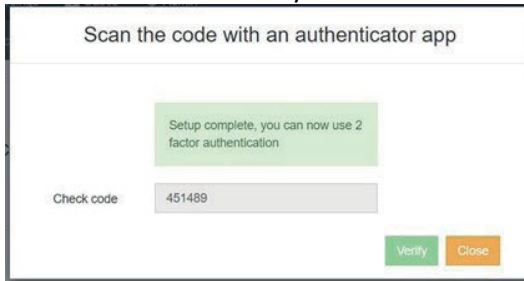
For Two Factor Authentication (2FA), a mobile device (smartphone or tablet) is required with an authenticator Application (App). You can get an authenticator App via Google Play (Google) or App Store (Apple). Google, Apple, or Microsoft Authenticator are recommended.

To enable two factor authentication on ZEPCAM Manager:

1. Login to ZEPCAM Manager
2. Click on your username
3. Select Setup 2FA:
4. Scan the code with an authenticator app
5. Enter the generated code behind “Check code” and click on “Verify”:



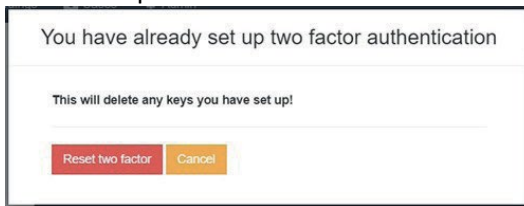
6. If the code is successfully verified the 2FA setup is completed and click “Close”:



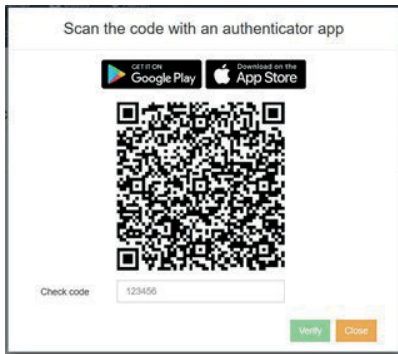
After setting up 2FA, the next login will require a Two Factor code.

To reset Two Factor authentication:

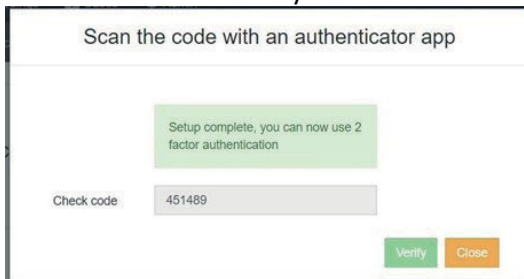
1. Login to ZEPCAM Manager
2. Click on your username
3. Select Setup or Reset 2FA:



4. Click “Reset two factor”
5. Scan the code with an authenticator app.
6. Enter the generated code behind “Check code” and click on “Verify”:

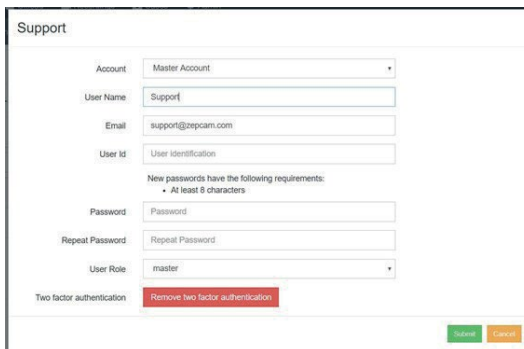


7. If the code is successfully verified the 2FA setup is completed: click "Close":



When a user's mobile device is lost or broken the Admin of the account can remove the two-factor authentication for this user:

1. Login to ZEPCAM Manager with Admin rights
2. In the upper menu go to Admin -> Users
3. Click "Edit" on the user who for example lost his/her mobile device.
4. Click "Remove two factor authentication:



5. When the mobile device is repaired or found, the two-factor authentication can be re-enabled for this user:

2.5 Retention time

Recordings made by a Bodycamera must be retained for a period of time, to ensure that important information is kept according to legal and regulatory requirements. When the retention time has elapsed, all recordings are automatically deleted unless the videos are archived, see [section 5.1](#).

The retention time starts from either the “Start time and Date” of the recording on the Bodycam when “GDPR-compliant recordings retention policy” is enabled by a user with the Master user role, or from the availability on the server (after offload). On the ZEPCAM Cloud “GDPR-compliant recordings retention policy” is always enabled.

When changing the retention time of a device, the setting will be applied to all recordings (including the recordings offload or recorded before the change off the retention time) of this device and all recordings will immediately be deleted when the new retention time expired and will not be recoverable.

The default retention time of videos of a device can be adjusted by the Admin or Master:

Go to Admin -> Devices -> Camera Devices -> Select Device -> Edit:

The max. retention time is set on account lever by an Admin or Master.

2.6 Users, Devices, Groups, Accounts and Access Control

ZEPCAM Manager provides the flexibility to organise Users, Devices, Access Control and rights. The table below states the definitions:

Account	• Highest level to organize Users and Devices • A User, Device, User group or Device Group can only belong to one account. • Prevents a user accidentally seeing a camera from a different account. • Only available in the on-premises and private Cloud Enterprise version of ZEPCAM Manager.
User	• Has access to ZEPCAM Manager and needs to be added to the system by an Admin or Master. • A user can be assigned to a Camera. • A user can be assigned to one or multiple User Groups. • Has a predefined role and retrieves rights from that role.

	• Can be transferred between accounts
User Group	A group of users
Camera	• A T2+ or T3 Live Bodycam • Can belong to multiple Camera Device Groups within an account • Can be transferred between accounts
Device	A Camera or a Docking Station
Camera Device Group	A group of devices
Roles	A role determines the Rights of a User
Rights	Rights define the actions that a user can perform (permissions)
Access control	A Master or Admin can give users control to a Camera (group) and its Recordings
Camera rights level	A more refined level of access control on a camera level

Roles and Rights

The default roles within ZEPCAM Manager are:

- master (only for on-premise Enterprise)
- admin
- user
- viewer

Advanced configurations can be done by ZEPCAM on request. The applicable roles and rights depend on the ZEPCAM Server software. An overview can be found in [Appendix A](#).

2.7 Pairing devices

Before first use, ZEPCAM Manager needs to set up an initial linkage with Devices, this linkage procedure is called pairing. For correct pairing of T2+ Bodycams, the T2 Series Docking Station needs to be paired first.

2.7.1 Pairing a Docking Station

To pair a T2 Series Docking Station, see [section 6.2.3.1](#).

The ZEPCAM T3 Single and Multidock Stations do not need pairing. The ZEPCAM T3 Single and Multidock Stations physically connect the T3 Live Bodycam via the network to the ZEPCAM server; network communications and data transfer are managed by the T3 Live Bodycam. For more details see datasheet [T3 Live Single Docking Station](#) and [T3 Live Multi Docking Station](#).

2.7.2 Pairing a T2+ Bodycam without Pin Code Enabled

1. Make sure the ZEPCAM T2 Series Docking Station is paired to the server.
2. Place your T2+ Bodycam in the T2 Series Docking Station. The bodycam will be paired automatically to ZEPCAM Manager within the same account as the Docking Station.

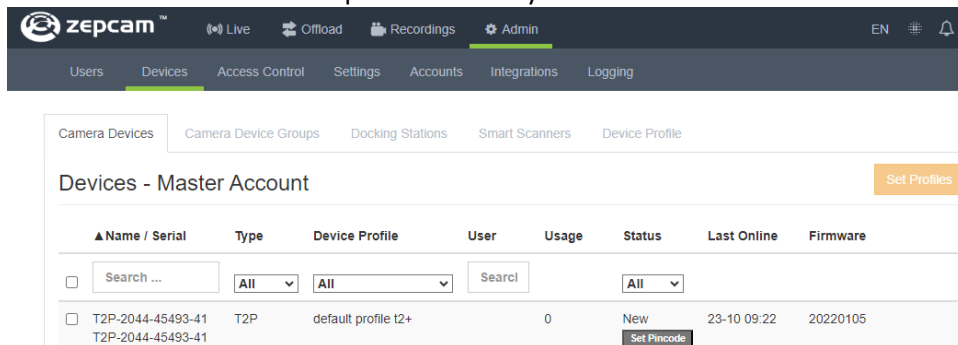
Note: By default, the T2+ Bodycam gets the default “Device Profile”. To set/adjust the device profile, see [section 6.2.5](#).

3. Set the proper access control as described in [section 6.3](#).

Note: Only Masters and Admins will see and can manage newly registered T2+ Bodycams.

2.7.3 Pairing a T2+ Bodycam with Pin Code Enabled

1. Make sure The ZEPCAM T2 series Docking Station is paired to the server, see [section 2.7.1](#).
2. Place your T2+ Bodycam in the ZEPCAM T2 series Docking Station.
3. Next step is to authorize the T2+ Bodycam by entering the pin code of the T2+ Bodycam in ZEPCAM Manager (the 6-digit pin code is included in the box).
4. Login to ZEPCAM Manager
5. On the top menu of ZEPCAM Manager, click “Admin”.
6. On the second header line, click “Devices”.
7. On the third header line, click “Camera Devices”.
8. Click “Set Pin Code” on the specific T2+ Bodycam”.



Enter the pin code and click “Set”.

9. The T2+ Bodycam will get the status pending for about 10 seconds during authentication.
10. When successful the status will be “Active”.

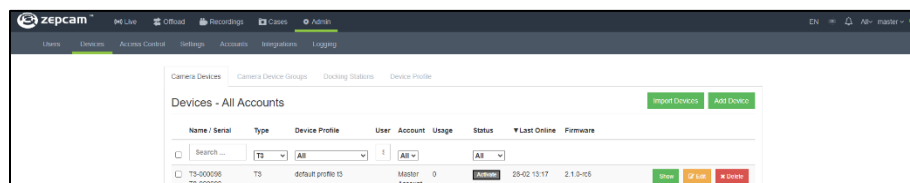
Note: By default, the T2+ Bodycam gets the default “Device Profile”. To set/adjust the device profile, see [section 6.2.5](#).

Note: Only Masters and Admins are able to see and manage newly registered T2+ Bodycams.

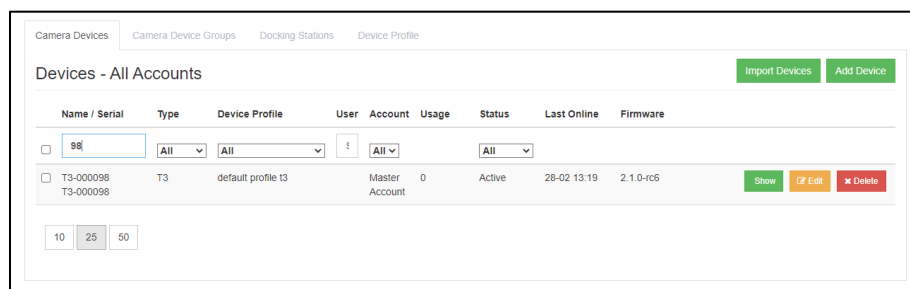
2.7.4 Pairing a T3 Live Bodycam

The T3 Live Bodycam is provisioned by ZEPCAM for the cloud based ZEPCAM Manager.

In case of an On-Premises deployment, the T3 needs to be activated by the User with the Admin or Master rights, on the Camera Devices page of ZEPCAM Manager (by default it will be assigned to the Master account), see [section 6.2.1](#).



Click "Activate" T3 and when successful the T3 will have the status "Active":



After activation, the T3 can be transferred to the correct Account:

Click "Edit" of the applicable device and select the required "Account"

T3-000098

Account: Master Account

Device Name: T3-000098

Comment: Comment

MAC: MAC

Device Profile: default profile t3

User Id: User Id

Storage Time Limited: ☒

Storage Hours: 672 Default: 672 Hours (28.0 Days)

Submit Cancel

Click "Submit" to apply the change.

Note: By default, the T3 Live Bodycam gets the default "Device Profile". To set/adjust the device profile, see [section 6.2.5](#).

2.8 User assignment

Cameras can be allocated either by:

- Personal basis. A user is assigned to a dedicated camera.
- Non-personal basis e.g., on a pool basis, a flexible user assignment called Dynamic user ID. The advantage of Dynamic user ID is that multiple users can use bodycams out of a pool and take another bodycam when offload off recordings or charging is required.

In both cases users will only have access to their own recordings (depending on their user role), made during the sessions that a camera was assigned to them.

2.8.1 Fixed user ID

ZEPCAM Manager presumes that a user will always have the same camera. To assign a user the user should have a user ID that can be set at the “Users” page. Users can be assigned manually, or by file import.

Assign a fixed user manually.

1. Go to Admin -> Devices -> Camera Devices
2. Select a device and press “Edit”. A popup window appears:

The screenshot shows a popup window titled 'T3-000098'. It contains the following fields and controls:

- Account: Master Account (dropdown)
- Device Name: T3-000098 (text input)
- Comment: Comment (text input)
- MAC: JMAC (text input)
- Device Profile: default profile t3 (dropdown)
- User ID: User id (text input with a small edit icon)
- Storage Time Limited: ☒
- Storage Hours: 672 (text input) with a default value of 672 Hours (28.0 Days)
- Buttons: Submit (green) and Cancel (orange) at the bottom right.

3. Enter the User ID or select edit to get a list of available users (and prevent typos)
4. In the popup window select a user using the dropdown list
5. Confirm the User.

Use file import to assign fixed Users to cameras:

1. Select Import Devices button.
2. Follow the instructions on the popup window.

2.8.1.1 Assign fixed users using import function

1. Select “Import Devices” button.
2. Follow the instructions on the popup window “Upload File”:

Upload File

Upload a CSV file with ; as separator and the following columns:
name; serial; mac; userid

User id can be left empty the other fields are required.
If a mac address is already known to the system the device will be updated with the values from the csv.

Account: Master Account

Drop file or click to select

No file selected

Upload Cancel

2.8.2 Dynamic user ID

Dynamic user ID is available for users using:

- T2+ Bodycam with a Docking Station with a screen and a USB keypad. The user can assign to a camera using a keypad or RFID reader, or by using ZEPCAM SmartScan
- T3 Live Bodycam with ZEPCAM SmartScan

2.8.2.1 Keypad

To create your Dynamic user ID or make it available for existing users, make sure the field “User ID” contains a n-digit code (the number of digits required depends on the configuration on the ZEPCAM T2 series Docking).

User1

Account: Master Account

User Name: User1

Email: user1@zepcam.com

User Id: 123456

New passwords have the following requirements:
• At least 8 characters

Password: Password

Repeat Password: Repeat Password

User Role: user

Two factor authentication: Two factor auth not set up

Submit Cancel

ZEPCAM Manager Pop up window, add User

To assign a T2+ Bodycam camera to a User is as follows:

- Remove a T2+ Bodycam from a Docking Station.
- Enter the USER ID with the keypad

The system will assign recordings made with this camera to this user.



ZEPCAM T2 Series Docking Station - Screen showing the user ID code

2.8.2.2 RFID

The ZEPCAM RFID reader enables wireless User assignment using an RFID tag or card. The code of the tag/card should be configured as the User Id in ZEPCAM Manager:

User1

Account	Master Account
User Name	User1
Email	user1@zepcam.com
User Id	2522896605
New passwords have the following requirements: • At least 8 characters	
Password	Password
Repeat Password	Repeat Password
User Role	user
Two factor authentication	Two factor auth not set up

SubmitCancel

2.8.2.3 ZEPCAM Smart Scan

The ZEPCAM Smart Scan is an all-in-one network device with an integrated QR and RFID scanner and has a display as user interface to guide the user step by step through the assignment process and confirms if the camera assignment or un-assignment was successfully. See [ZEPCAM Smart Scan Instruction Manual](#).



ZEPCAM Smart Scan

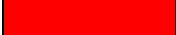
3 LIVE

The T3 Live Bodycam can record video on the Bodycam, to be offloaded at a later stage, and can livestream video (in real time). On the Live page you can view the status and the live stream of the T3 Live Bodycams. This livestreamed video is stored in real time to the ZEPCAM Server, see [Chapter 5](#).

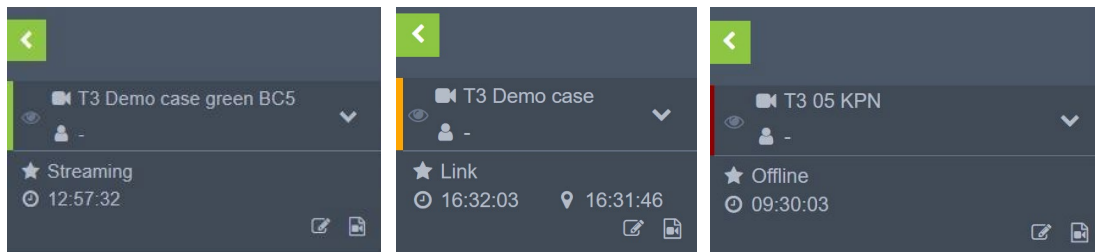
This page shows on the left the list of T3 Live Bodycameras, in the middle one can view one or more livestreams and maps, and on the top right one can change viewing settings. These three sections are described in following sections:

3.1 List T3 Live Bodycameras

The list shows T3 Live Bodycam(s). The color attribute is as follows:

Indication	Status description
	The T3 Live Bodycam is livestreaming
	The T3 Live Bodycam is in standby mode, or recording, powered on and connected to the server
	The T3 Live Bodycam is offline/off or not able to connect to the server

The down pointing arrow opens the information box of the T3 Live Bodycam. This information includes the status, the time of last communication between server and camera, and the last GPS update.



ZEPCAM Manager – T3 Live Bodycam status information

From here, it is also possible to directly navigate to Device Settings and  Recordings  of the selected device. The list of T3 Live Bodycams can be collapsed to increase the screen space for livestreams.

3.2 View livestream

To view a livestream, drag the thumbnail of the T3 Live Bodycam to the main (video display) section or click on the eye icon:



At the bottom of the video display section, you can select the type of video stream. The default video stream is WebRTC (Web Real-Time Communications). On some occasions WebRTC does not work behind firewalls. In that case it is recommended to switch to RTSP (without audio).

WebRTC is more prominent than RTSP and provides higher Quality of Service and Quality of Experience. On the other hand, WebRTC uses multiple steps before the media connection starts and video can begin to flow. RTSP takes just a fraction of a second to negotiate a connection because its handshake is done upon the first connection.

Live video streams are uploaded to the server and are chaptered into records of 15 minutes.

3.3 Settings LIVE page

The settings of the LIVE page can be set at the top right. The settings are:

	Set the layout of the Livestream video player.	Select between one, four or 9 video displays at the same time
	Show the position of the camera on the map.	To display the map, click the map symbol on the top right side of the T3 Live Bodycamera name or number, or click on the GPS symbol under the video player. By clicking on a cursor on the map, a pop-up appears that shows the bodycam name and details.
	Show Cameras ☐ All ☒ Online ☐ Streaming	Define which T3 Live Bodycameras are displayed in the list on the left
	Layout settings ☒ HD ☐ Hide Controls ☐ Sort Alphabetic Refresh	Define the layout of the video player settings and the list of T3 Live bodycameras.

ZEPCAM Manager – Settings Live view page

4 OFFLOAD

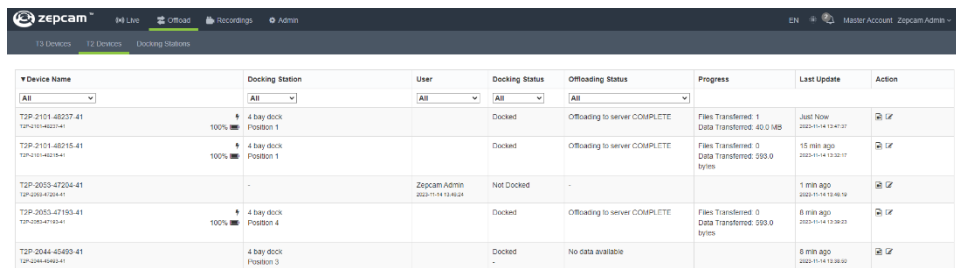
This page shows the status of a camera (T3 and T2 Devices) and T2 Series Docking Stations.

4.1 T2+/T3 Device

When a camera is docked (inserted in a Docking Station) and the Docking Station has connection to the server, it will automatically start offloading the recordings to the server. When the entire recording has been offloaded, it will erase the recording on the device. The progress and transfer speed of the offload can be seen on the offload page under the collum “Progress”.

When a user is assigned to a device this is show under the collum “User”.

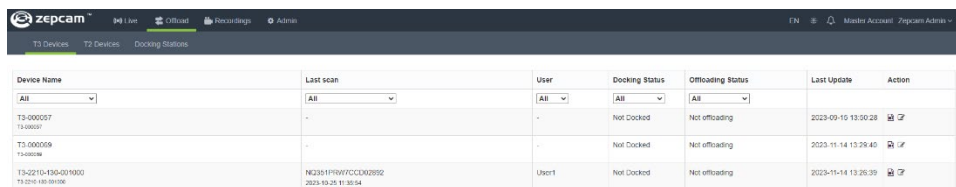
Additional on the T3 Devices page there is a collum “Last scan” which shows when and by which ZEPCAM Smart Scan the T3 was scanned the last time.



The screenshot shows the Zepcam Manager interface for T2 Devices. The top navigation bar includes 'Live', 'Offload', 'Recordings', and 'Admin'. The 'Offload' tab is selected. The table below lists T2 devices with columns for Device Name, Docking Station, User, Docking Status, Offloading Status, Progress, Last Update, and Action.

Device Name	Docking Station	User	Docking Status	Offloading Status	Progress	Last Update	Action
T2P-2101-48257-41 T2P-2101-48257-41	100% 4 bay dock Position 1		Docked	Offloading to server COMPLETE	Files Transferred: 1 Data Transferred: 40.0 MB	Just Now 2023-11-14 13:41:37	🔍 🗑️
T2P-2101-48258-41 T2P-2101-48258-41	100% 4 bay dock Position 1		Docked	Offloading to server COMPLETE	Files Transferred: 0 Data Transferred: 289.0 bytes	15 min ago 2023-11-14 13:32:17	🔍 🗑️
T2P-2053-47204-41 T2P-2053-47204-41	-	Zepcam Admin 2023-11-14 13:40:24	Not Docked	-		1 min ago 2023-11-14 13:40:19	🔍 🗑️
T2P-2053-47195-41 T2P-2053-47195-41	100% 4 bay dock Position 4		Docked	Offloading to server COMPLETE	Files Transferred: 0 Data Transferred: 289.0 bytes	8 min ago 2023-11-14 13:39:23	🔍 🗑️
T2P-2044-45493-41 T2P-2044-45493-41	4 bay dock Position 3		Docked	No data available		8 min ago 2023-11-14 13:39:02	🔍 🗑️

ZEPCAM Manager T2 Device information

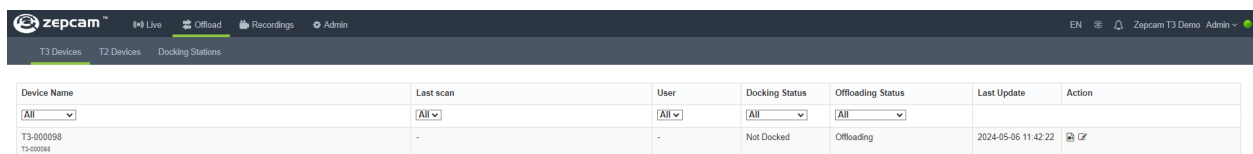


The screenshot shows the Zepcam Manager interface for T3 Devices. The top navigation bar includes 'Live', 'Offload', 'Recordings', and 'Admin'. The 'Offload' tab is selected. The table below lists T3 devices with columns for Device Name, Last scan, User, Docking Status, Offloading Status, Last Update, and Action.

Device Name	Last scan	User	Docking Status	Offloading Status	Last Update	Action
T3-000007 T3-000007	-	-	Not Docked	Not offloading	2023-09-10 18:30:08	🔍 🗑️
T3-000009 T3-000009	-	-	Not Docked	Not offloading	2023-11-14 13:29:40	🔍 🗑️
T3-22110-130-031000 T3-22110-130-031000	NQ251PRW7CC0X02892 2023-10-25 11:35:54	User1	Not Docked	Not offloading	2023-11-14 13:28:39	🔍 🗑️

ZEPCAM Manager T3 Device information

Note: The “Docking Status” is currently not used for the T3. The offload progress of the T3 can be seen on the Display of the T3.



The screenshot shows the Zepcam Manager interface for T3 Devices. The top navigation bar includes 'Live', 'Offload', 'Recordings', and 'Admin'. The 'Offload' tab is selected. The table below lists T3 devices with columns for Device Name, Last scan, User, Docking Status, Offloading Status, Last Update, and Action.

Device Name	Last scan	User	Docking Status	Offloading Status	Last Update	Action
T3-000098 T3-000098	-	-	Not Docked	Offloading	2024-05-06 11:42:22	🔍 🗑️

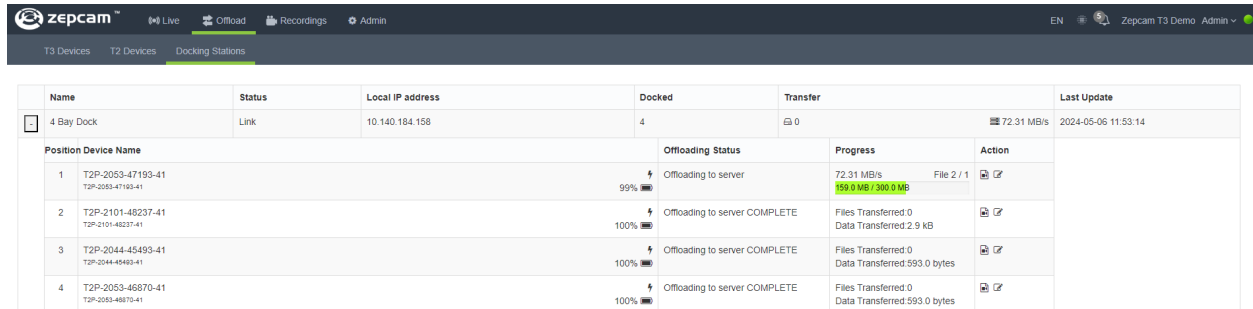
ZEPCAM Manager T3 Device information; T3 is Offloading

4.2 Docking Stations

T2+ Docking Stations

This page shows a list of the Docking Stations that are paired with your account and is only visible for users with the default “admin” or “master” user role. This tab gives information about the status of a Docking Station and shows at which position a device is docked and the status of that device.

When a recording is offloaded from the Docking Station the ZEPCAM Server or Cloud, the transfer speed is shown under the column “Transfer”.



Name	Status	Local IP address	Docked	Transfer	Last Update
4 Bay Dock	Link	10.140.184.158	4	0	72.31 MB/s
Position Device Name					
1	T2P-2053-47193-41 T2P-2053-47193-41		99%	Offloading to server	72.31 MB/s 159.0 MB / 300.0 MB
2	T2P-2101-48237-41 T2P-2101-48237-41		100%	Offloading to server COMPLETE	Files Transferred 0 Data Transferred 2.9 kB
3	T2P-2044-45493-41 T2P-2044-45493-41		100%	Offloading to server COMPLETE	Files Transferred 0 Data Transferred 593.0 bytes
4	T2P-2053-46670-41 T2P-2053-46670-41		100%	Offloading to server COMPLETE	Files Transferred 0 Data Transferred 593.0 bytes

ZEPCAM Manager Docking Station information

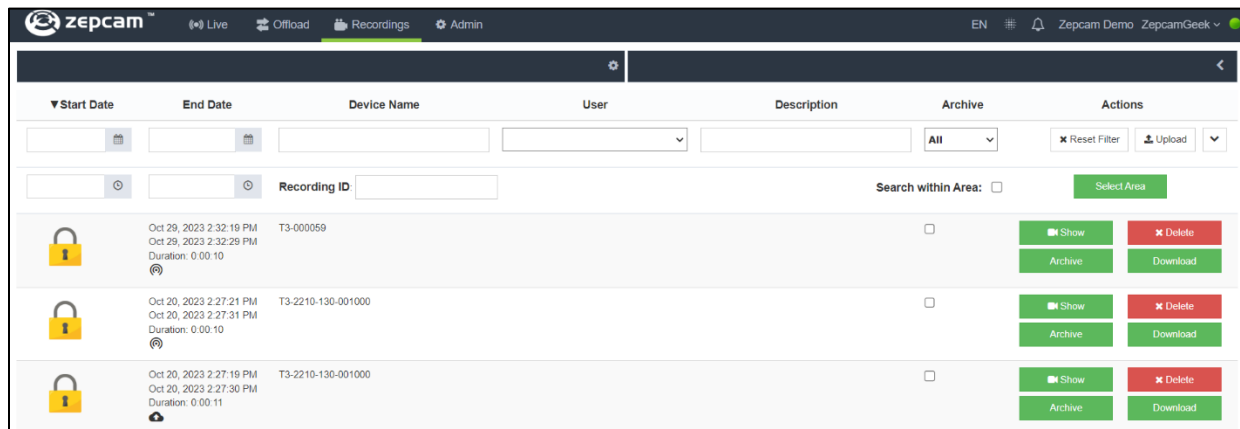
T3 Docking Stations

The ZEPCAM T3 Single- and Multi Docking Station do not appear on the offload page. Network communications and data transfer are managed by the T3 Live Bodycam instead.

5 RECORDINGS

On the Recordings page you can find, view, and manage recordings. Recordings can origin from live streaming, see [Chapter 3](#), or offloads of cameras, see [Chapter 4](#), or imports from other sources, see [section 5.2](#).

The content of this page depends on the rights of the user.



ZEPCAM Manager Recordings page

Recordings can be filtered by /searched on meta criteria and can be ordered into ascending and descending order. Records are listed with the following attributes and options:

	Watch (or click on the thumbnail). A video player will be shown on top of the page, see section 5.4
	Delete the recording. The user is prompted to confirm. Note: A delete action cannot be undone
	Archive or unarchive (when archived) the recording.
	Download the recording The recording is decrypted and saved on your device you are logged into ZEPCAM Manager. Note: Downloaded records are not managed by ZEPCAM Manager, it is the user responsibility to act according to legal and regulatory requirements

5.1 Archive

Recordings are automatically deleted from ZEPCAM Server when the retention period has elapsed.

A recording can be archived to avoid deletion. The recording is then stored for an unlimited time.

A recording can be unarchived (Select “Archived” in the recordings list) and will be deleted from the system after the selected retention date (see [section 2.5](#)). A confirmation is asked when unarchiving a recording.

Note: When a recording is unarchived and the retention time has expired, the recording will be deleted immediately from the server. The deletion cannot be undone.

5.2 Upload Recordings

ZEPCAM Manager accepts recordings from external devices, for example fixed cameras, drones or dashcams. The format of the recordings must be type .mp4. The uploaded recording is assigned to the User who uploaded it via ZEPCAM Manager. The creation time of the recording is subject to the retention period.

Recordings from external devices can be uploaded by a click on the “Upload” button on the Recordings page. Follow the instructions; When the file is successfully uploaded the status will be “uploaded” and “100%”. The uploaded file will be visible on the recordings list with device name “upload”.

5.3 Motivation to watch or download a recording

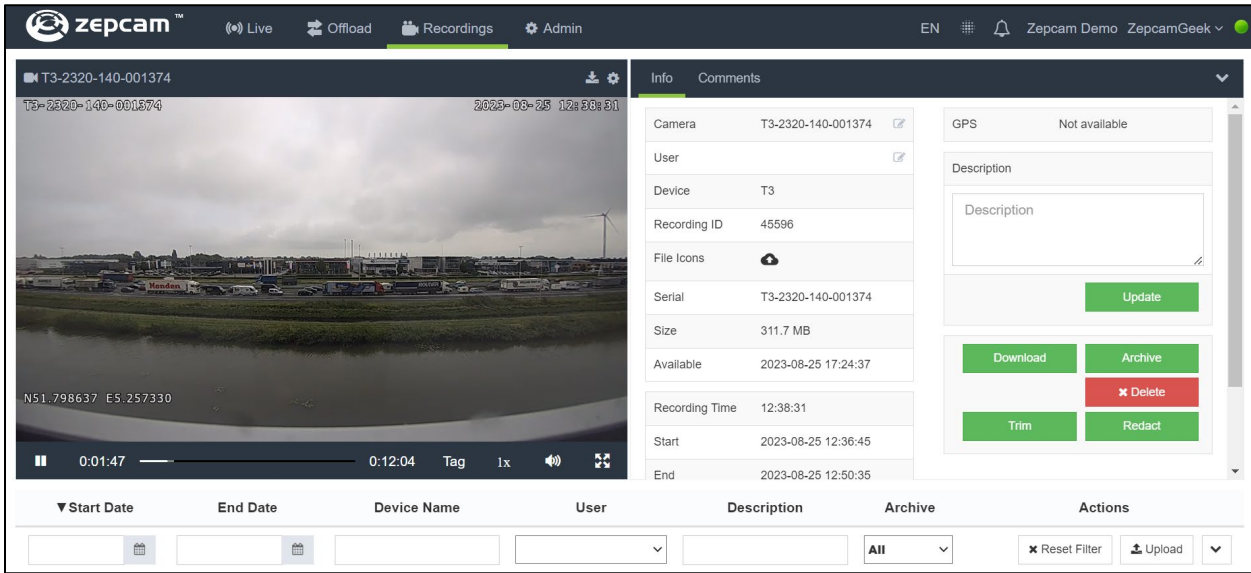
Note: This functionality is an extra step in the video view workflow and may not be applicable (for all users). Additional configuration by ZEPCAM is required to enable this functionality.

In some cases, motivation is required to watch or download a recording. In that case, the user must provide a motivation; a report number can be added. This information will be stored and shown as meta data for a video and can be set as mandatory.

When clicking on the record a popup appears. Fill out the motivation and mandate ID (if required) and report number and click submit. After this the record will be played and the log tab will be updated.

5.4 Video Player

The video window on the left shows the selected recording, information about the camera and the recording and common options:



ZEPCAM Manager Video Player

Two additional functions are shown like “Trim” and Redact:

Update	A description can be added to a recording. The descriptions are included in the search query of the recordings.
Trim	Trim the video, a new record will be made. Trimming will generate a copy of the original recording; The original file will not be altered.

Note: Additional functions depending on the user role and rights of this user role.

Additional information can be found on the tabs on the right:

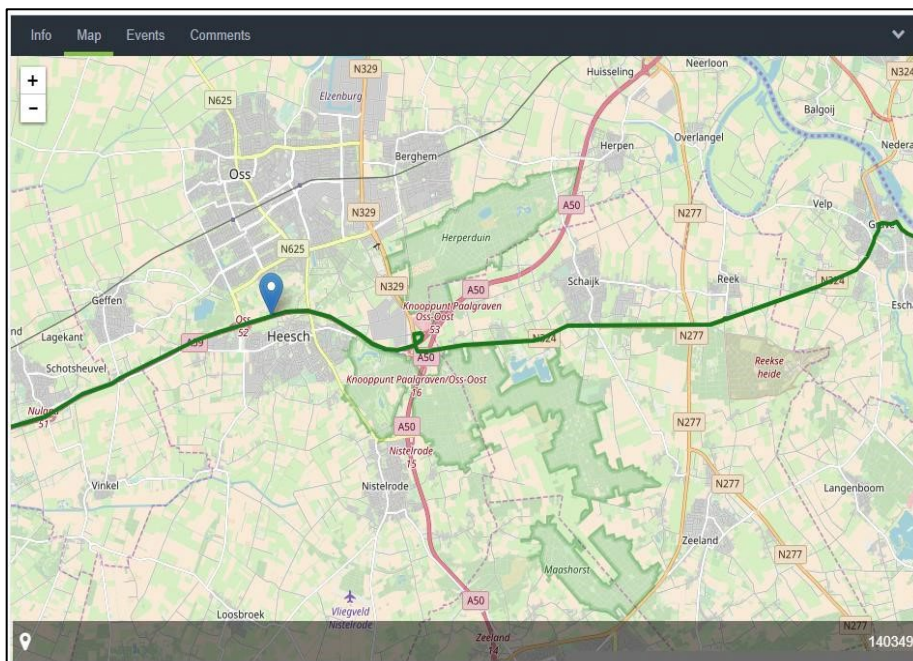
- Info
- Map (when GPS data available for this recording)
- Events (bookmarks, if applicable)
- Comments

5.4.1 Info

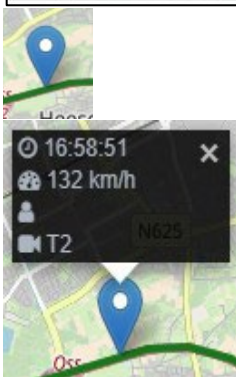
The info tab of the video player shows the metadata of the recording.

5.4.2 Map

If the recording includes GPS information, the GPS data is displayed on a map:



You can drag the marker over the map to jump to that point in the recording



When you select the following will be shown:

16:58:51

Actual time of the recording of this position on the map

132 km/h

Actual speed of the device at this position on the map



User ID (non when no user ID is known)



Device type



Centre the marker on the map

140349

On the right bottom of the map the Recording ID is shown

ZEPCAM Manager Map

5.4.2 Events

The Events show the available tags/bookmarks. Tags/events can be used to bookmark specific events in a recording. When you select the Tag/event the video player will jump to the moment of the tag/event.

There are two types of tags/events:

1. Tag: Created during the recording on a T2+ Bodycam
2. Post tag: Created within the video player of ZEPCAM Manager:



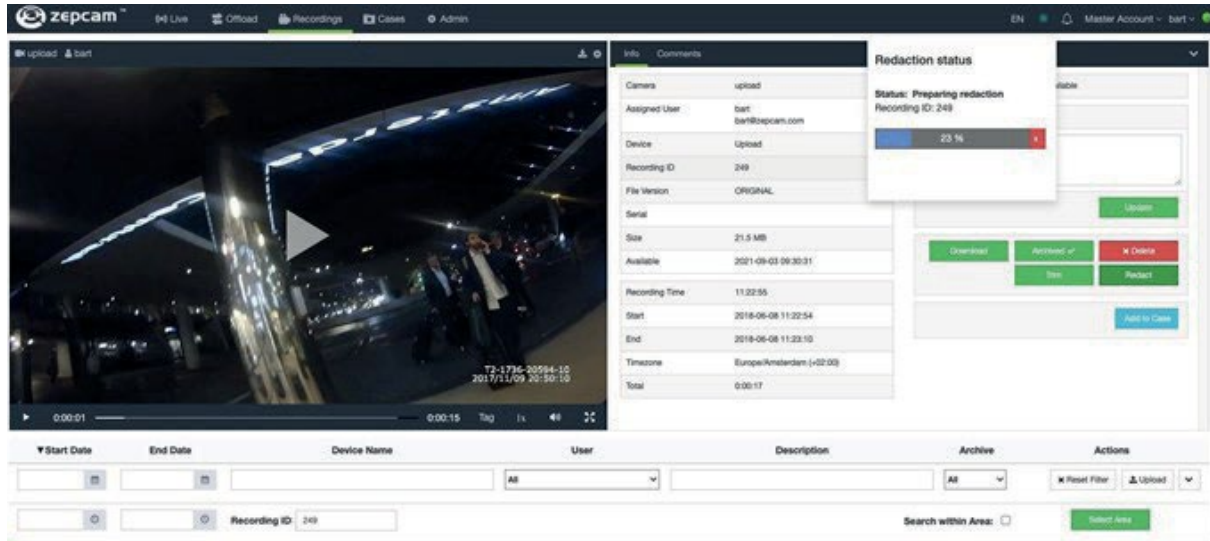
5.4.3 Comments

Generic comments can be added to the recording.

Note: Comments are not included in query files of recordings.

5.5 Redaction

The Redaction functionality allows the user to apply blurring of personal data such as faces and other objects. Redaction requires extensive video processing and is only possible for recordings of up to 5 minutes. Redaction will generate a copy of the original recording; The original file will not be altered.



ZEPCAM Manager Redaction

For Redaction follow the next steps:

1. Select Redaction button: the video file is automatically processed for face detection in the back end. A status window shows the progress
2. The Redaction Editor starts up in a separate browser window
3. The Objects List, lists the auto detected faces. Detected faces will be blurred. Faces that do not need to be blurred can be deselected
4. Other objects and audio can be manually redacted
5. Select the type and intensity of redaction
6. When finished, select Redact and Close
7. The video is being redacted on the server. The status window shows the progress
8. When the video is ready, select Close
9. The redacted video is added to the recording list using a new Recording ID and gets File Status: redacted

More information can be found in the [ZEPCAM Redaction Manual](#).

6 ADMIN

This page has the followings tabs:

- Users
- Devices
- Access Control
- Settings
- Account
- Integrations
- Logging

6.1 Users

This page displays all Users and the corresponding settings. Users can be placed in dedicated groups. User groups and Device groups can be assigned to each other in various combinations.

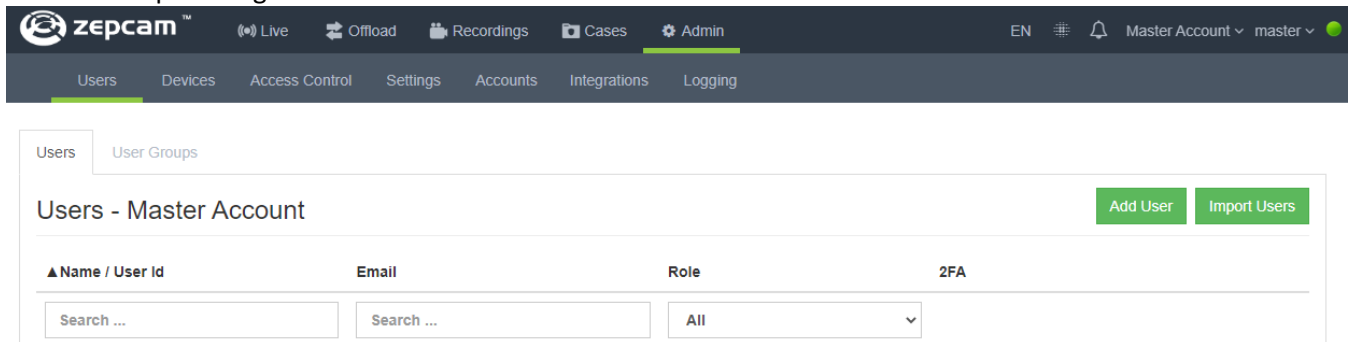
Users can be filtered by /searched on Name/Id, email address, Role and/or 2FA.

6.1.1 Add User

Users can be added manually “Add User” or via “Import Users” (CSV file with more users). For advanced user imports using (S)LDAP, see [section 6.4.2](#).

Manually

1. In the top menu go to “Admin” -> “Users”:



2. To add a new user, click “Add User”
3. Enter user’s details & role: “User Name”, Email, User Id, Password.

Add User

User Name

Email

User Id

New passwords have the following requirements:

- At least 6 characters

Password

Repeat Password

User Role

Two factor authentication Two factor auth not set up

Note: The User ID is required when using the fixed or dynamic user ID, see [section 2.8](#). This ID must be unique per user.

4. Select User Role
5. Two factor authentication (optional and to be set up by the user)
6. Click “Submit”

When Two factor authentication is enabled, this can be removed by an admin to set up again by a user:

Two factor authentication

Import Users

ZEPCAM Manager supports User import from Active Directory using (S)LDAP or import via a CSV file. Advised to use CSV import when adding multiple users. The button ‘Import Users’ on the user list page will show the following window:

Upload File

Upload a CSV file with ; as separator and the following columns:

name; email; externalid; password; role

Externalid can be left empty, if role is empty the 'viewer' role will be used.
If an email is already registered the user will be updated with the values from the csv.

Account

Drop file or click to select

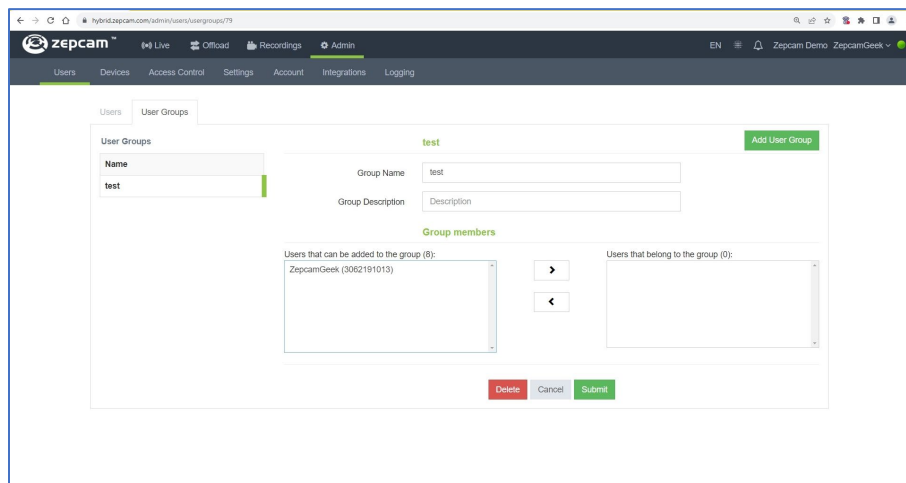
No file selected

Follow the instructions to import the users. This functionality is only available for users with the admin or master user role. **Note:** Do not forget to select the correct “Account”; all imported users will be linked to this account.

6.1.2 User Groups

Users can be placed in dedicated groups. User groups and Device groups can be assigned to each other in various combinations.

To add a User group, go to: Admin -> Users -> User Groups and click “Add User Group”



ZEPCAM Manager – User Groups

1. When having multiple accounts select the correct “Account”
2. Enter “Group name” (name must be unique)
3. Optional “Group description”
4. Select the required users in “Group members”
5. Press the arrow “>” to transfer the required user(s) in the group
6. Select “Submit”

6.2 Devices

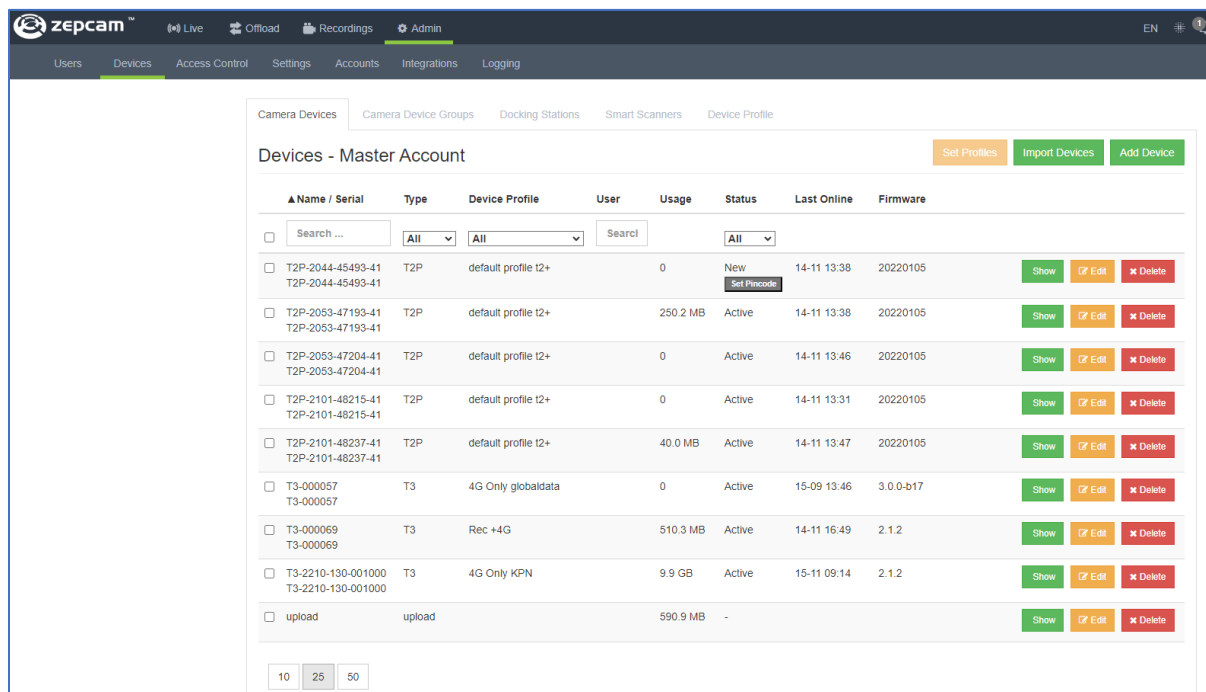
This page shows the following items to set:

- Camera Devices
- Camera Device Groups
- Docking Stations
- Smart Scanners
- Device Profile

6.2.1 Camera devices

Camera Devices can be filtered by /searched on criteria and can be ordered in ascending or descending order.

Note: When a Device is deleted, the recordings made by this device are not deleted and will still be available on the Recordings page until the retention time expired when not archived.



The screenshot displays the 'Camera Devices' page in the ZEPCAM Manager interface. The page has a dark blue header with the ZEPCAM logo and navigation tabs: Live, Offload, Recordings, and Admin (selected). Below the header, there are sub-tabs: Users, Devices (selected), Access Control, Settings, Accounts, Integrations, and Logging. The main content area is titled 'Camera Devices' and includes a 'Devices - Master Account' section. This section has buttons for 'Set Profiles', 'Import Devices', and 'Add Device'. Below these buttons is a table of devices with the following columns: Name / Serial, Type, Device Profile, User, Usage, Status, Last Online, and Firmware. The table contains several rows of device information, including T2P and T3 devices, their profiles, usage, and status. At the bottom of the table, there are pagination controls showing 10, 25, and 50 items per page.

Name / Serial	Type	Device Profile	User	Usage	Status	Last Online	Firmware	Actions
T2P-2044-45493-41 T2P-2044-45493-41	T2P	default profile t2+	0	New	14-11 13:38	20220105		Show Edit Delete
T2P-2053-47193-41 T2P-2053-47193-41	T2P	default profile t2+	250.2 MB	Active	14-11 13:38	20220105		Show Edit Delete
T2P-2053-47204-41 T2P-2053-47204-41	T2P	default profile t2+	0	Active	14-11 13:46	20220105		Show Edit Delete
T2P-2101-48215-41 T2P-2101-48215-41	T2P	default profile t2+	0	Active	14-11 13:31	20220105		Show Edit Delete
T2P-2101-48237-41 T2P-2101-48237-41	T2P	default profile t2+	40.0 MB	Active	14-11 13:47	20220105		Show Edit Delete
T3-000057 T3-000057	T3	4G Only globaldata	0	Active	15-09 13:46	3.0.0-b17		Show Edit Delete
T3-000069 T3-000069	T3	Rec +4G	510.3 MB	Active	14-11 16:49	2.1.2		Show Edit Delete
T3-2210-130-001000 T3-2210-130-001000	T3	4G Only KPN	9.9 GB	Active	15-11 09:14	2.1.2		Show Edit Delete
upload	upload		590.9 MB	-				Show Edit Delete

ZEPCAM Manager – Camera Devices page

6.2.1.1 Set Device Profiles

Camera settings are defined by a “Device Profile.” To assign one or more cameras to a profile, select the camera(s) and Click ‘Set Profiles’. The profile can be selected from the list of available profiles. To add a new Profile, or to modify an existing Profile, see [section 6.2.5](#).

6.2.1.2 Import Devices

T2+ Bodycams can be imported in large quantities (e.g., 100 units or more) using a CSV file with name; serial; mac; userid. Follow the instructions to import the Devices.

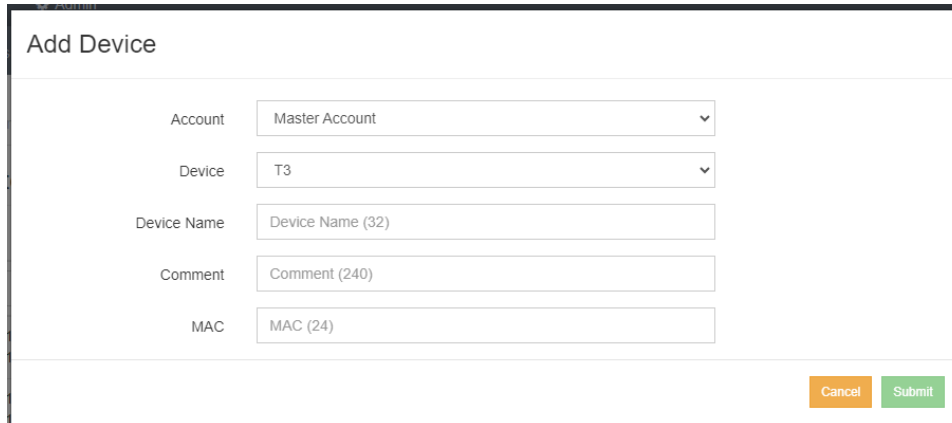
Note: Do not forget to select the correct “Account”; all imported devices will be linked to this account.

6.2.1.3 Add Device

T2+ Bodycams are normally registered automatically when placed in a connected T2 Series Docking Station on the same account as this Docking Station.

T3 Bodycams must be provisioned by Zepcam and when the T3 is able to the Zepcam Cloud or Zepcam on premises server after provisioning, it will be like the T2+, automatically registered. However, this is always on the “Master” account. The user with the “Master” or “Admin” role should activate the T3 and when needed assign to the correct account.

In case of an exception a T2+ or T3 Bodycam can be manually added:



The screenshot shows a web-based form titled "Add Device" within the "ZEPCAM Manager" application. The form includes the following fields:

- Account:** A dropdown menu currently set to "Master Account".
- Device:** A dropdown menu currently set to "T3".
- Device Name:** A text input field with a placeholder "Device Name (32)".
- Comment:** A text input field with a placeholder "Comment (240)".
- MAC:** A text input field with a placeholder "MAC (24)".

At the bottom right of the form, there are two buttons: an orange "Cancel" button and a green "Submit" button.

ZEPCAM Manager – Add Device window

6.2.2 Camera Device Groups

Camera devices can be placed in dedicated groups. Device groups and User groups can be assigned to each other in various combinations.

To create a Camera Device Group, go to Admin -> Devices -> Camera Device Groups. Click “Add Camera Group”

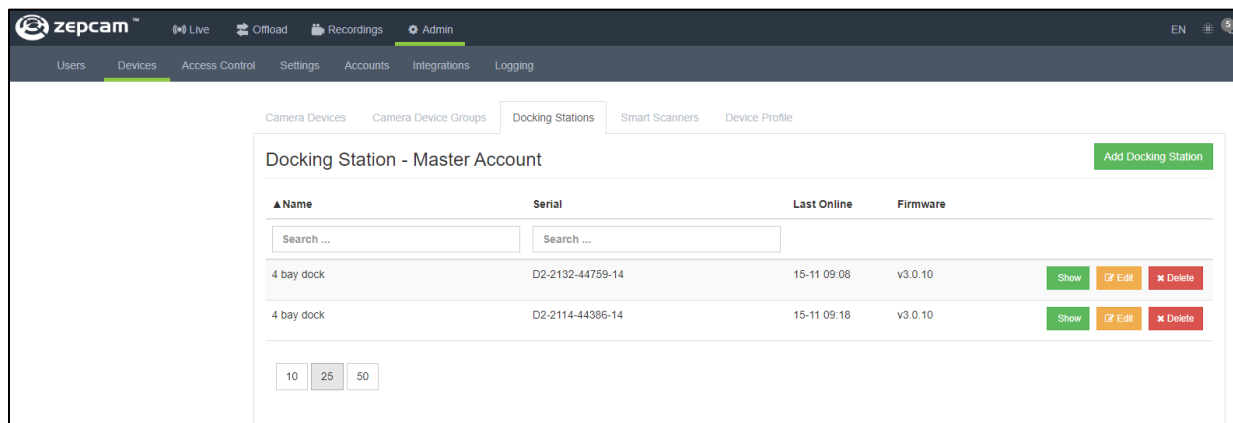
1. When having multiple camera is select the correct “Account”
2. Enter “Group name” (name must be unique)
3. Optional “Group description”
4. Select the required camera in “Group members”
5. Press the arrow “>” to transfer the camera in the group
6. Select “Submit”

The screenshot displays the ZEPCAM Manager interface for managing camera device groups. The top navigation bar includes links for Live, Upload, Recordings, Cases, and Admin. The left sidebar shows 'Camera Groups' with a list of 'Test Group 1' and 'Test Group 2'. The main content area is titled 'Camera Device Groups' and shows the configuration for 'Test Group 1'. The configuration includes a dropdown for 'Account' (set to 'Master Account'), a text field for 'Group Name' (set to 'Test Group 1'), and a text field for 'Group Description' (set to 'Description'). Below these fields are two lists: 'Cameras that can be added to the Group' and 'Cameras that belong to the Group'. The first list contains several camera IDs, and the second list contains one camera ID, 'T2P-2044-45746-41'. Arrows indicate the transfer of cameras between the two lists. At the bottom are 'Delete', 'Cancel', and 'Submit' buttons.

ZEPCAM Manager - Camera Device Groups

6.2.3 Docking Stations

This page displays all ZEPCAM T2 series Docking Stations information within the account



ZEPCAM Manager – Docking Stations page

Note: the ZEPCAM T3 Single and Multidock Stations do not appear in this list as devices in ZEPCAM Manager. The ZEPCAM T3 Single and Multidock Stations just physically connect the T3 Live Bodycam via the network to the ZEPCAM server; Network communications and data transfer are managed by the T3 Live Bodycam.

6.2.3.1 Add Docking Station

To add a Docking Station, open 2 tabs in a web browser. One tab where you are connected to ZEPCAM Manager and another tab where you are connected to the Docking Station webinterface. To open the Docking Station webinterface, see [ZEPCAM T2 Series Docking Station Manual, section ONBOARD WEBSITE](#)

ON THE FIRST TAB

1. Go to ZEPCAM Manager
2. On the top menu of ZEPCAM Manager, click “Admin”
3. On the second header line, click “Devices”
4. Open the “Docking Stations” Tab of the ZEPCAM Manager
5. Near the right top, click “Add Docking Station”:
6. A popup window will appear; Enter the Device Name, e.g. “8 bay dock”:

Add Docking Station

Account: Master Account

Station Name: Name (32)

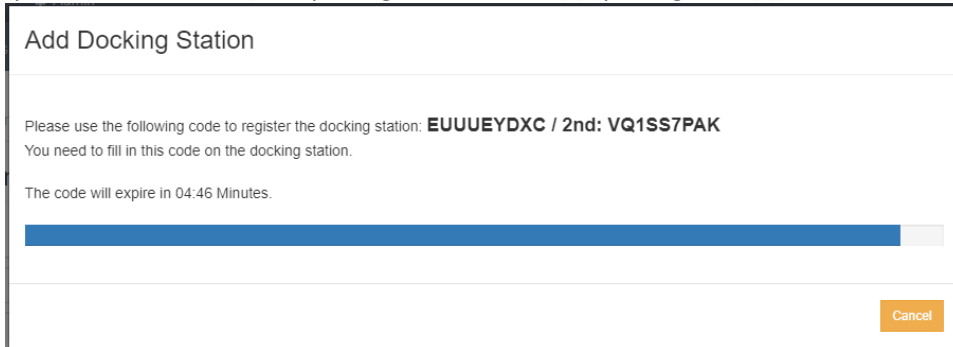
Comment: Comment

Cancel Submit

7. An optional Comment can also be added e.g. an internal device number or description of the

camera.

8. Click "Submit"
9. A new popup window appears, containing one or more (depending on the number of configured (public) IP addresses) unique registration code(s) (pairing code(s)):



Note: The pairing code expires after 5 minutes, afterward you must generate a new one.

ON THE SECOND TAB

10. In the second tab go to 'Login page' of the Docking Station using the IP address/URL of the Docking Station (default 192.168.151.2 when no fixed ip is configured on the Docking Station or when the Docking Station did not get an IP via DHCP). Also make sure the Docking Station can connect to ZEPCAM Cloud or Server via Ethernet (LAN/WAN).

Note: You can find the IP address using the ZEPCAM finder tool or if you have a screen attached using the '*' key. More information, like how to find the IP of your Docking Station and how to connect to it, can be found in the [ZEPCAM T2 Series Docking Station manual](#).



11. Sign in with username and password
12. In the Top menu go to: "Server Pairing":
13. Enter the generated pairing code at "Registration code" and click "Pair":

Docking Station
Overview
System
Server Pairing
admin

Server Pairing

Registration code
4GG7
Pair

Enter generated code to attach this device to your server account

Successfully unpaired

Pairing state: Not paired

Connection state: Not connected

14. When the pairing is successful, the Pairing State will be “Paired” and when connected with the ZEPCAM Server the Connection state will be “Connected”.

Docking Station
Overview
System
Server Pairing
admin

Server Pairing

Unpair

Pairing state: Paired

Connection state: Connected

ON THE FIRST TAB

The Docking will be visible in ZEPCAM Manager (when connected with the server or cloud via WiFi router, 3G/4G/LTE router, or Ethernet): In the top menu of ZEPCAM Manager go to “Offload” -> “Docking Stations” and the paired Docking Station will be shown:

zepcam

Live

Offload

Recordings

Admin

EN

Zepcam T3 Demo
Admin

T3 Devices

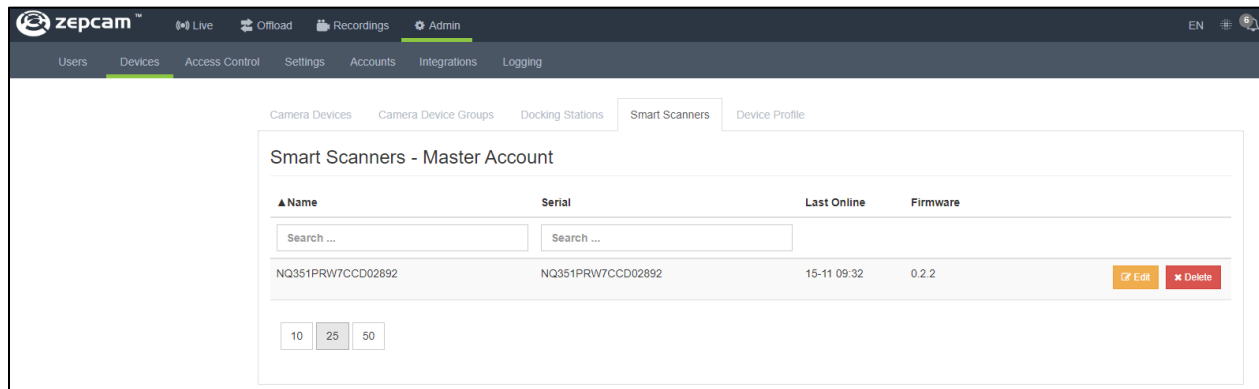
T2 Devices

Docking Stations

Name	Status	Local IP address	Docked	Transfer	Last Update
4 Bay Dock	Link	10.140.184.158	4	0	2024-05-06 12:27:24
Position Device Name Offloading Status Progress Action					
1 T2P-2053-47193-41 T2P-2053-47193-41	100% 🔼	Offloading to server COMPLETE	Files Transferred 0 Data Transferred 593.0 bytes	🗑️ ⚙️	
2 T2P-2101-48237-41 T2P-2101-48237-41	100% 🔼	Offloading to server COMPLETE	Files Transferred 0 Data Transferred 593.0 bytes	🗑️ ⚙️	
3 T2P-2044-45493-41 T2P-2044-45493-41	100% 🔼	Offloading to server COMPLETE	Files Transferred 0 Data Transferred 676.0 bytes	🗑️ ⚙️	
4 T2P-2053-46870-41 T2P-2053-46870-41	100% 🔼	Offloading to server COMPLETE	Files Transferred 0 Data Transferred 593.0 bytes	🗑️ ⚙️	

6.2.4 Smart Scanners

This page displays all paired ZEPCAM Smart Scanners information within the account

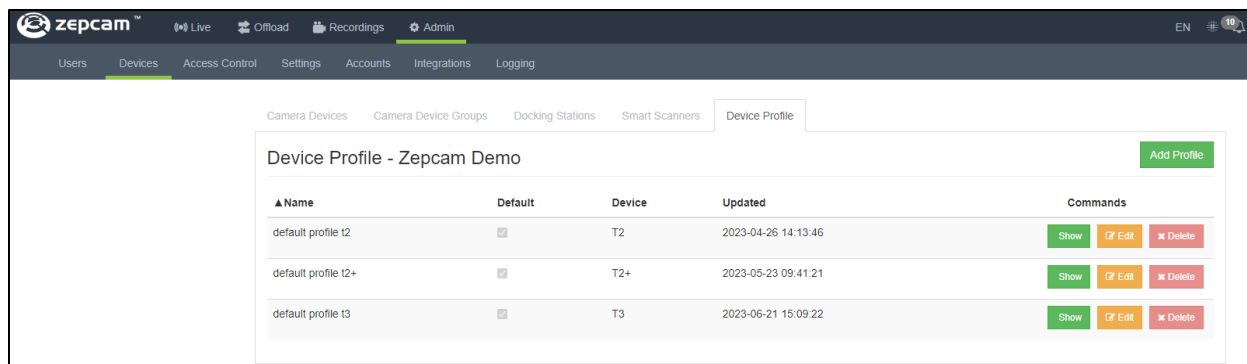


ZEPCAM Manager – Smart Scanners page

Note: Please contact ZEPCAM Support to pair ZEPCAM Smart Scanners.

6.2.5 Device profile

Device profiles are used to set generic camera device settings. Every time a camera device is docked in a Docking Station, its settings are updated with the settings from the selected profile.



ZEPCAM Manager – Device profile

The following device settings can be adjusted for T2+ Bodycam:

- Profile Name
- Comment to describe the profile or the purpose of the profile
- Streaming resolution: 1080P30/720P30/480P30
- Quality: Low/Medium/High
- IR filter: On/Off/During recording (no IR during pre-recording)
- Power-on Record: The T2+ Starts recording right away when powered on
Note: Cannot be used in combination with pre-recording
- LED
- Pre-recording: 5/10/15/20/30/60/120/Off

Note: Cannot be used in combination with Power-on Record

- Date format: DD-MM-YYY/MM-DD-YYYY/YYYY-MM-DD
- Auto power off: 30sec/1min/3min/5min/10min/30min/off
- Microphone: On/Off/Off during pre-recording
- Beeps
- GPS
- Vibration
- Encryption
- Warning notifications
- Post recording: 5/10/20/30/60 sec./Off
- Double tap to start (to start a recording)

The following device settings can be adjusted for T3 Bodycam:

- Profile Name
- Comment to describe the profile or the purpose of the profile
- Streaming resolution: 1080P/720P/360P
- Streaming Quality: Low/Medium/High/Best
- Recording volume: 0/20/40/60/80/100% (100% most sensitive and 0% is off)
- Timezone
- Access point name, of the 4G service provider
- Carrier username when required by the 4G service provider
- Carrier password when required by the 4G service provider
- Status led: **on**/off, when off the Led at the front of the camera will always be turned off, except it blinks once when the camera starts.
- Firmware version: Advise is to select the "default"
- Pre recording time: 0/10/20/30/60/120s.
- T3 Recording Mode: Recording+streaming (streaming default off) / Recording+streaming (streaming default on)/ Recording only/Streaming only
- Double tap (to start a recording)
- Bluetooth trigger
- Bluetooth trigger threshold: Set the threshold of the BT trigger (30000 recommended)
- Loop recording. When enabled this will delete the oldest recording on the camera when storage is full. When disabled recording will stop when storage is full.
- WiFi connection: **on**/off, with this option the Wi-Fi function can be turned off completely, the icon will not be shown in the display.
- WiFi connection: Configure up to max. 9 ssid's with required passwords as example:
Example: "ssid1":"pass1","ssid2":"pass2"...,"ssid9":"pass9"
- GPS: **on**/off, enable or disable the GPS functionality, when disabled there is no icon showed at the display and no GPS information in the video.
- Download AGPS files online: **on**/off, Option to use AGPS (Assisted GPS), when enabled the camera tries to download satellite position information from the internet to speed up the time to get the initial position fix. The EPO/QEPO files are downloaded from <http://wpepodownload.mediatek.com>
- Mobile: **on**/off, with this option the 4G functionality can be turned off completely, the icon will not be shown in the display.

- FPS: **25/30**, sets the framerate for the on-device recordings.
- User action Notifications: Disabled/Beep/Vibration/Beep and Vibration, the user action notifications describe which notifications the camera will give when a user makes one of the following actions:
 - Start a recording/stream.
 - Stop a recording/stream.
 - Disable/enable live streaming.
 - Put the camera into a dock.
- System notifications: Disabled/Beep/Vibration/Beep and Vibration, the notification(s) the camera will give when one of the following actions happen:
 - Reboot
 - Power off
 - Power on
- Error notifications: Disabled/Beep/Vibration/Beep and Vibration, the notification(s) the camera will give when an error occurs, for example:
 - Battery empty
 - SD card full
 - Error reading the SD card.
- Videoremind notifications: Disabled/Beep/Vibration/Beep and Vibration, When enabled the camera will make a notification every 30/60/120 second when the camera is recording/streaming. This to remind the user that the camera is currently streaming or recording.
- Videoremind time: 30/60/120.
The time between the reminders when the video reminder notification is enabled.
Recording quality: low/moderate/high/best, this determines how much data will be used to record an on-device video. The higher the quality the more data per second is used to store the recording and the more details can be stored. Roughly the following bitrate will be used:
 - Low, 2 Mbit/s – 3 Mbit/s (360P, 720P, 1080P, 1440P)
 - Moderate, 2 Mbit/s – 4 Mbit/s (360P, 720P, 1080P), 4 Mbit/s – 6 Mbit/s (1440P)
 - High, 2 Mbit/s – 5.5 Mbit/s (360P, 720P, 1080P), 4 Mbit/s – 8 Mbit/s (1440P)
 - Best, 2 Mbit/s – 7 Mbit/s (360P, 720P, 1080P), 5 Mbit/s – 10 Mbit/s (1440P)
- Recording Resolution: 1440P/1080P/720P/360P
- Function Button:

Single tap	Disabled
Double tap	Disabled
Triple tap	Disabled
Long tap	Disabled
Wireless offload	Disabled
Minicam IR LED	Automatic

The following functionality can be assigned to the function button:

- Offload start, start offloading over WiFi or 4G. All recordings at the camera will be offloaded, the newest recordings will be offloaded first (last in, first out). Offloading over WiFi or 4G can only be started when the camera is not live streaming. During live streaming the offloading will be paused and continue when the camera stops streaming.
 - Offload start time limit, the same as Offload start but only the recordings made in the last hour will be offloaded.
 - Offload stop, the offload over WiFi or 4G will stop. The camera will finish the chunk (part of a file) it was offloading.
 - Prerecording toggle, enable or disable the prerecording, you can see if the prerecording is enabled by the green P on the T3 camera display. If the prerec was not enabled in the settings but the button is set to toggle the prerecording, then the prerec of 30 seconds will be used when the prerec is enabled using the function button.
 - Wireless offload automatically starts offloading recordings. This function can be set to the following options:
 - Offload via WiFi, as soon as a WiFi network is available the camera will start offloading recordings, the latest first. During live streaming the offloading is paused. The camera will not offload during recording or live streaming.
 - Offload via WiFi and 4G, when a WiFi network is available the camera will offload using the WiFi network otherwise the camera will try to offload using the 4G network. The camera will not offload during recording or live streaming.
 - Disabled
 - Minicam IR LED: **automatic/off**
 - Use minicam microphone if available: **on/off**
- You can choose to either use the microphone from the T3 bodycam or, when a minicam is connected, use the microphone inside of the minicam. You can use the slider to enable or disable the microphone in the minicam.

Note: The actual parameters may change.

6.2.5.1 Default Device Profile

The default server profile can be set with Master rights.

Each account has its own default profile. This profile is used when a new device is added to the Account; the device will automatically get the default profile from the account. The default profile cannot be deleted but it can be adjusted to the user needs. Also, other profiles can be created and added to the Account.

For the Enterprise: Each server also has a default profile. This profile is used to set the default profile when a new Account is created.

The screenshot displays the 'Device Profile' configuration page in the ZEPCAM Manager. The page is titled 'Default Device Profile' and includes a dropdown menu for 'T2P' with 'Cancel' and 'Save' buttons. The settings are organized into a list of options with corresponding input fields or checkboxes:

- Resolution: 720P30 (dropdown)
- Quality: High (dropdown)
- IR filter: Off (dropdown)
- Power-on Record: ☐
- LED: ☒
- Pre-recording: Off (dropdown)
- Date-format: DD-MM-YYYY (dropdown)
- Auto power off: Off (dropdown)
- Microphone: On (dropdown)
- Beeps: ☒
- GPS: ☒
- Vibration: ☒
- Encryption: ☒
- Warning notifications: ☒

ZEPCAM Manager –Device Profile page to set the default profiles for a new created account

Note: When a device is switched between accounts it will automatically get the default profile of the new account.

6.2.5.2 Updating Multiple Devices

To change the device profile for multiple devices, selected devices using the checkbox in the header of the device list. By clicking the 'Set Profile' button a dialog window is shown where a profile can be selected that will be applied to all selected Devices.

Camera Devices

Camera Device Groups

Docking Stations

Smart Scanners

Device Profile

Devices - Zepcam T3 Demo

Set Profiles

Import Devices

Add Device

▲ Name / Serial	Type	Device Profile	User	Usage	Status	Last Online	Firmware	
☐ Search ...	All	All	Search	All				
☒ T2P-2044-45493-41 T2P-2044-45493-41	T2P	Standardprofil t2+		0	Active	06-05 12:26	20220105	Show Edit Delete
☒ T2P-2053-46870-41 T2P-2053-46870-41	T2P	Standardprofil t2+		0	Active	06-05 12:26	20220105	Show Edit Delete
☒ T2P-2053-47193-41 T2P-2053-47193-41	T2P	Standardprofil t2+		540.0 MB	Active	06-05 12:26	20220105	Show Edit Delete
☒ T2P-2053-47204-41 T2P-2053-47204-41	T2P	Standardprofil t2+		0	Pending	01-05 17:15	20220105	Show Edit Delete
☒ T2P-2101-48237-41 T2P-2101-48237-41	T2P	Standardprofil t2+		0	Active	06-05 12:26	20220105	Show Edit Delete
☐ T3-000098 T3-000098	T3	default profile t3		510.1 MB	Active	06-05 13:04	3.1.2	Show Edit Delete
☐ upload	upload			333.0 MB	-			Show Edit Delete

10

25

50

ZEPCAM Manager – Assign device profile to multiple devices

Set Profiles

T2P-2101-48237-41 T2P-2053-47204-41 T2P-2053-47193-41 T2P-2053-46870-41

Device Profile

Choose an option

Ok

Cancel

ZEPCAM Manager – Set Profiles: Select Device Profile to set on multiple devices

6.3 Access Control

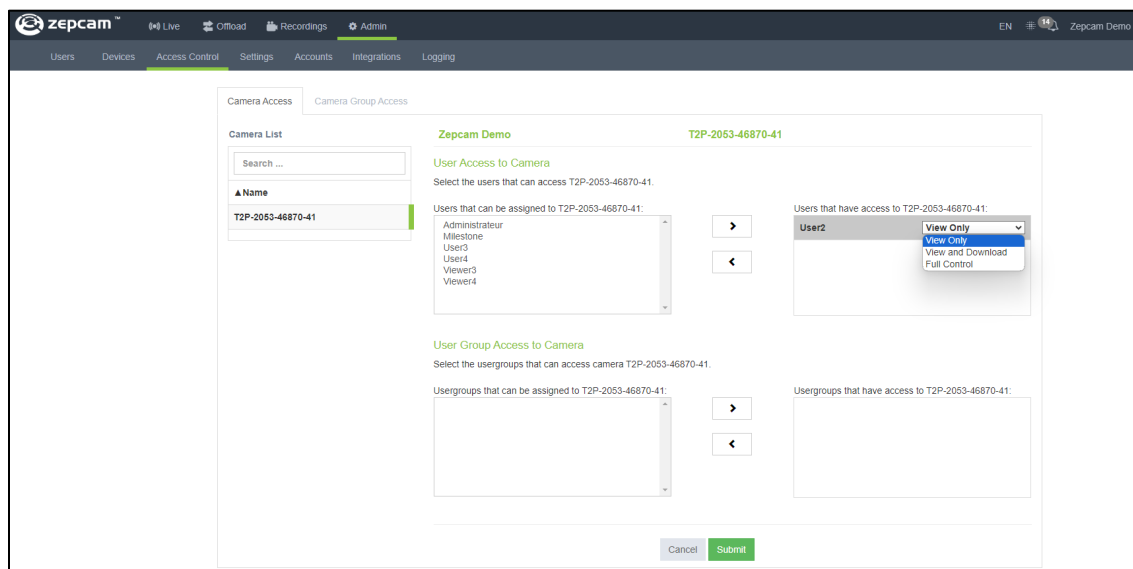
Users and User groups can be given access and rights to cameras and camera groups. This can only be done with Admin or Master rights.

Depending on the camera rights level, a user with Camera Access can:

- View Only: View live stream and recordings of camera
- View and Download: View live stream and recording and download recordings of camera
- Full Control: Next to view live stream and recordings and download recordings also delete recordings of a camera

How to give a user access to a camera or camera group?

- Navigate to “Admin” -> “Access Control”
- Select Camera Access tab or Camera Group Access tab
- Select a camera from the “Camera List” or “Camera groups” in the left column
- When a camera or camera group is selected you can select one or more Users or User groups, and press “>”
- You must select the camera rights level (View Only, View and Download, Full Control) for a user
- Click “Submit”



ZEPCAM Manager Access Control - Camera user rights

What are camera rights levels?

- Cameras can have different levels of rights. The admin or master can set the camera rights level per user. There are 3 camera rights levels:

Rights	View only	View and download	Full control
View recordings	Yes	Yes	Yes
View Live streams	Yes	Yes	Yes
Archive recordings	Yes	Yes	Yes
Download recordings		Yes	Yes
Delete recordings			Yes

How can I see which users have access to which camera?

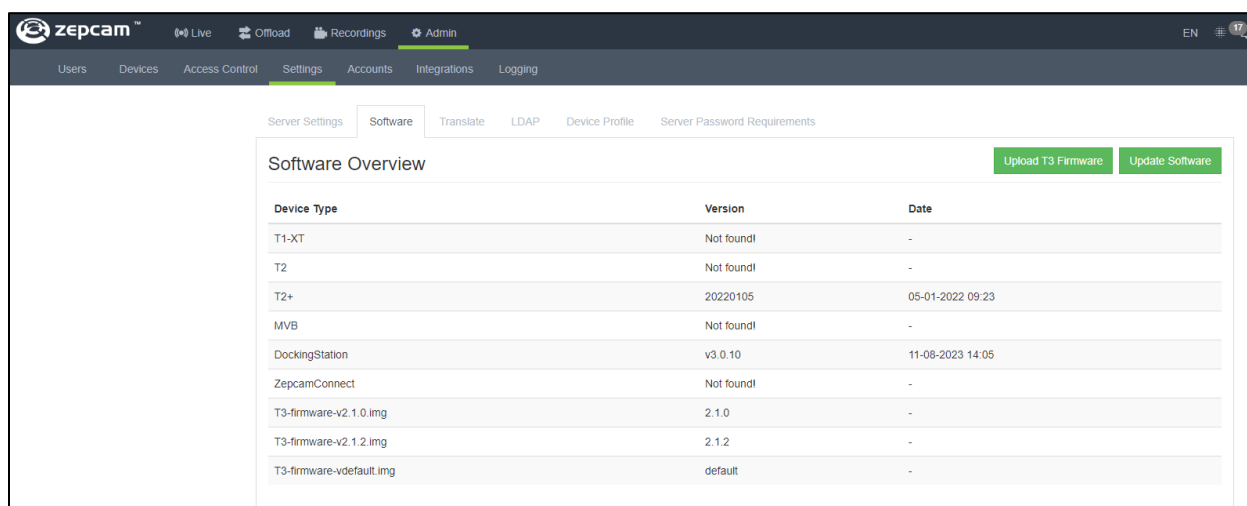
Option 1	Go to "Admin" -> "Devices" - Click "Show" to see the camera details. - View the section: Visible to users - Here you can see who has access to the selected camera
Option 2	Go to "Admin" -> "Users" - Click "Show" to see the user details. - View the section: Visible devices - Here you can see to which device(s) the user has access
Option 3	Go to "Admin", "Access Control" - Select the camera or camera group - View the section: Users that have access to <selected camera> - Here you can see which Users or User groups have access to the selected camera or camera group

6.4 Settings

6.4.1 Software

Note: Only applicable when for ZEPCAM Manager Enterprise version.

On this page (only available for users with the master user role of on-premises deployments) device firmware is managed, and new firmware can be uploaded when new firmware is available and will automatically be pushed to devices when these are in idle state in case of the T2 Series Docking Station and to Bodycams when these are docked and have no data anymore to offload.



ZEPCAM Manager – Software page

More info on firmware updates in the device manuals.

6.4.2 LDAP(S)

Users can be imported via Lightweight directory access protocol (LDAP). LDAP is a protocol that makes it possible for applications to query user information rapidly. LDAP is a ZEPCAM Premium functionality for user authentication.

LDAPS (Secure) is also supported.

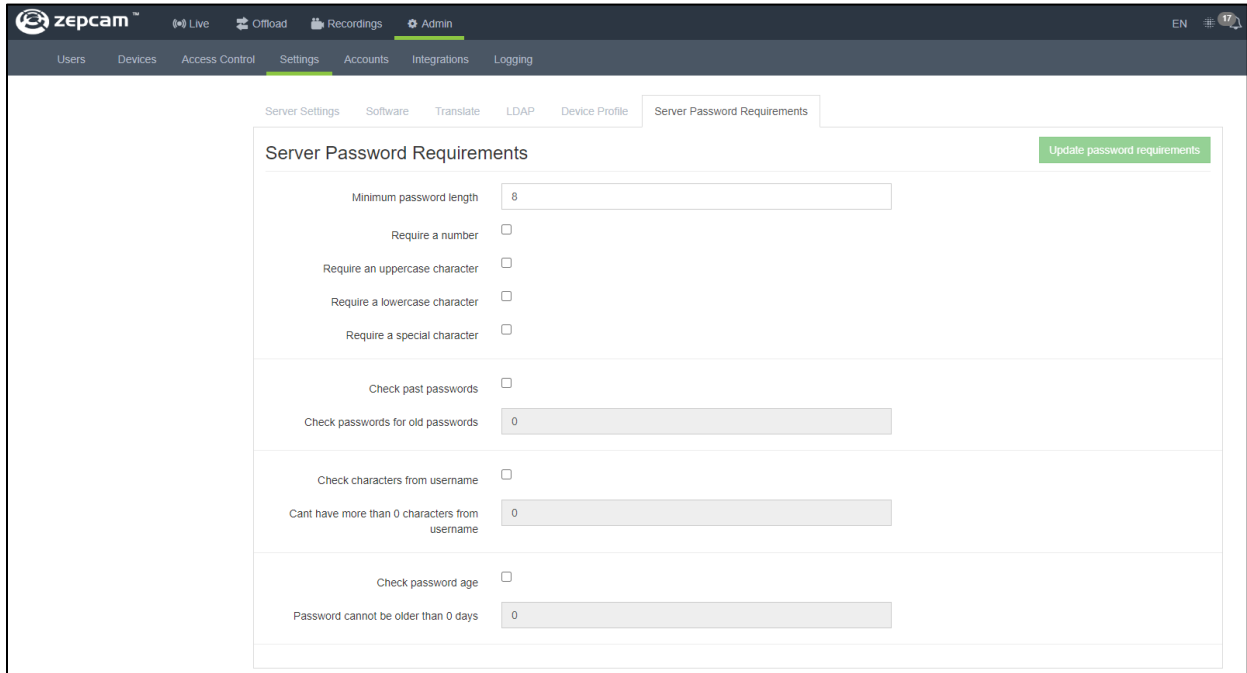
See for more information [ZEPCAM Manager LDAP Integration Manual](#)

6.4.3 Server Password Requirements

Note: Only applicable for ZEPCAM Manager Enterprise version.

On this page, the required password requirements for all ZEPCAM Manager logins can be set.

When “Custom” Password settings are selected the password settings must be configured:



The screenshot displays the ZEPCAM Manager Admin interface. The top navigation bar includes the ZEPCAM logo, a 'Live' status indicator, and tabs for 'Live', 'Offline', 'Recordings', and 'Admin'. Below this, a secondary navigation bar lists 'Users', 'Devices', 'Access Control', 'Settings' (which is highlighted), 'Accounts', 'Integrations', and 'Logging'. The 'Settings' tab is further divided into 'Server Settings', 'Software', 'Translate', 'LDAP', 'Device Profile', and 'Server Password Requirements' (which is the active sub-tab). The 'Server Password Requirements' page features a green 'Update password requirements' button in the top right corner. The configuration area is divided into several sections, each with a checkbox and a corresponding input field:

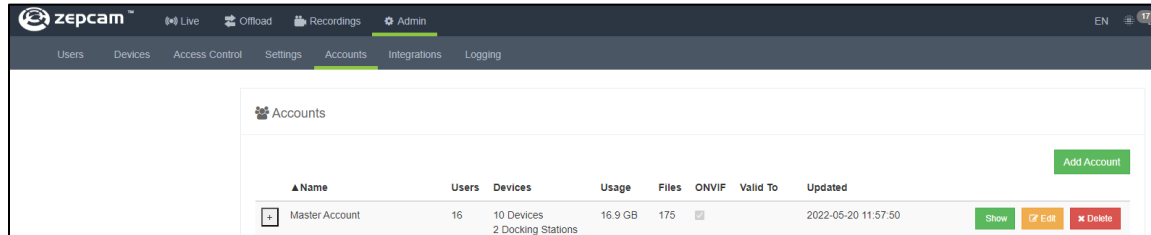
- Minimum password length:** A text input field containing the value '8'.
- Require a number:** A checkbox that is currently unchecked.
- Require an uppercase character:** A checkbox that is currently unchecked.
- Require a lowercase character:** A checkbox that is currently unchecked.
- Require a special character:** A checkbox that is currently unchecked.
- Check past passwords:** A checkbox that is currently unchecked.
- Check passwords for old passwords:** A text input field containing the value '0'.
- Check characters from username:** A checkbox that is currently unchecked.
- Can't have more than 0 characters from username:** A text input field containing the value '0'.
- Check password age:** A checkbox that is currently unchecked.
- Password cannot be older than 0 days:** A text input field containing the value '0'.

ZEPCAM Manager - Server Password Requirements

6.5 Accounts

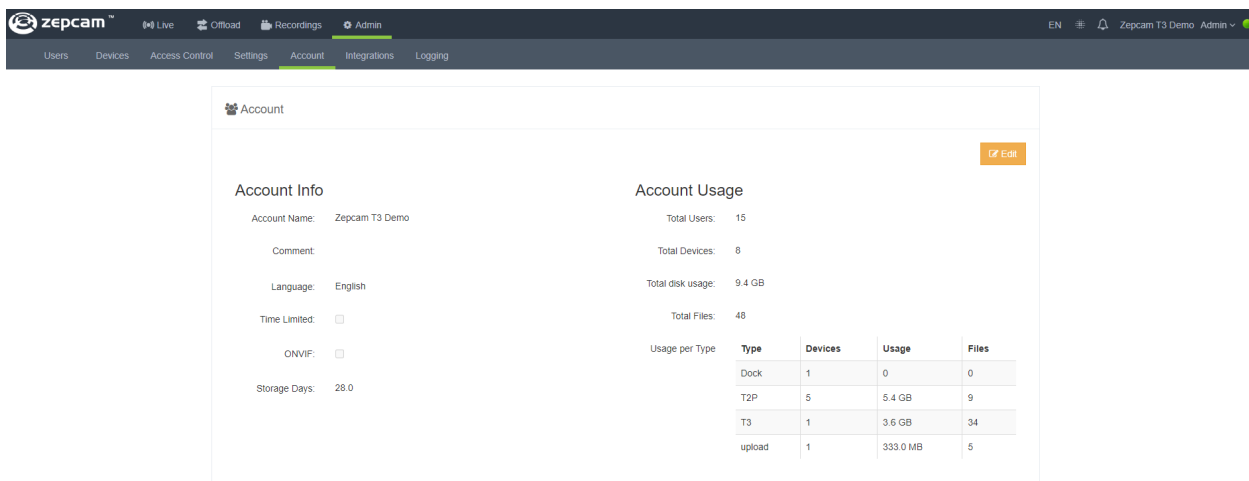
Note: Only applicable for ZEPCAM Manager Enterprise version.

The page will show all available accounts when logged in with a user with master rights



ZEPCAM Manager - Accounts

When you login with admin rights you will see the account info on this page, for example:



ZEPCAM Manager- Account information

Account Info:

- Language: The default language of ZEPCAM Manager when a user logs in.
- Time limited: When your account is time limited the “valid to” date will be shown. When the account is expired all logins are disabled.
- Storage days: This is the default retention time for all devices assigned to this account. In this example all recordings will be automatically deleted after 30 days
- Storage data: Available storage page per device (only for cloud account and it depends on license)

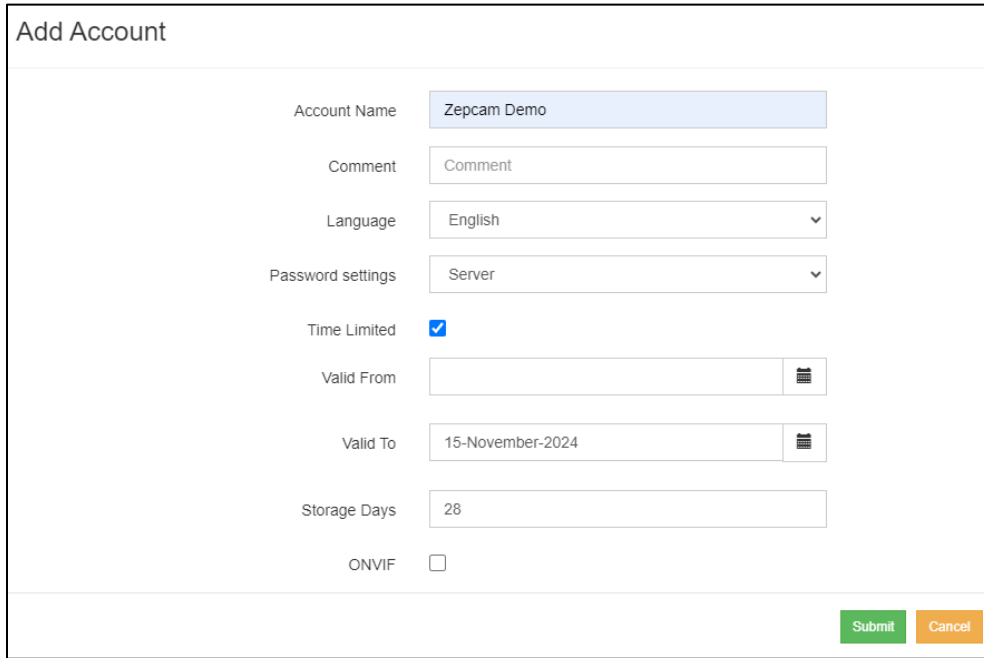
Account Usage:

- Total users: Total number of users within this account
- Total devices: Total number of devices linked to or paired with this account
- Total disk usage: Total storage space used by this account
- Total files: Total number of recordings within this account
- Usage per type: Usage per device type.

6.5.1 Create Accounts

To add an account, go to: Admin -> Account and click “Add Account”

A popup will appear:

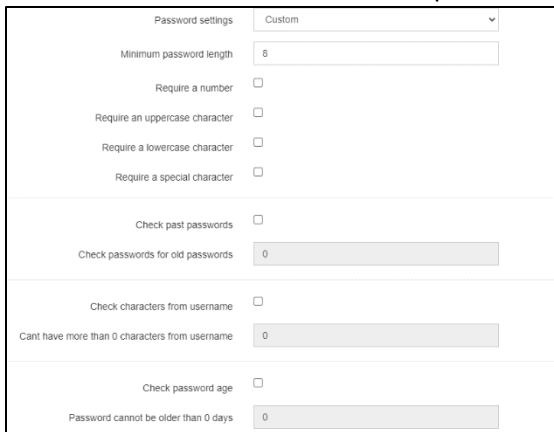


ZEPICAM Manager Add an account window

Enter the required fields and click “Submit” to create the account:

- Account Name - the name of the new account (max account name length is 48 characters)
- Comment - optional comment (max comment length is 120 character)
- Language – set the default language
- Password settings -> set the password requirements for all users.

When Server is selected the default password requirements of the cloud / server applies.



- Time Limited
- Valid From
- Valid To

- Storage Days - Default (max.) retention time for all recordings of this account; When a device has a shorter retention time configured, the retention time of the device is leading.

6.6 Video Surveillance Management Systems integration (Integrations)

ZEPCAM Server Software integrates with the following 3rd party software:

1. Genetec Clearance
ZEPCAM Manager users can upload recordings including metadata into Genetec Clearance.
See [Genetec Clearance Integration Manual](#)
2. Milestone XProtect
By using the ZEPCAM Plugin for Milestone, users can live view T3 live streams and retrieve and view T2+ recordings.
See [Milestone Xprotect Integration Manual](#)

The ZEPCAM Video Server provides the possibility to integrate your software package or VMS system via the ZEPCAM API. The ZEPCAM API is session based and provides the following functionalities:

- List online T3 Live cameras
- Request RTSP stream of online T3 Live cameras

Note: ONVIF is only supported by legacy Zepcam Devices like the Zepcam T1 Live, Zepcam T2 and Zepcam MVB (Mobile Video Box).

6.7 Logging

The logging section shows the logging of all actions done in ZEPCAM Manager. For recordings it shows the chain of evidence. The logging is split into 5 sections shown in tabs.

- Live users: Only available in Enterprise version when logged in with master rights
- Users Log
- System Log: Only available in Enterprise version when logged in with master rights
- Report
- Notifications

6.7.1 Users Log

This section shows the loggings related to ZEPCAM Manager Users. All user actions within ZEPCAM Manager are logged.

The screenshot displays the 'Users Log' interface in the ZEPCAM Manager. At the top, there's a navigation bar with 'Users', 'Devices', 'Access Control', 'Account', and 'Logging' (selected). Below this, the 'Users Log' section has tabs for 'Users Log', 'Report', and 'Notifications'. A 'Search Filter' section contains several dropdown menus: 'Start' (15-November-2023), 'End' (15-November-2023), 'Device Name' (All), 'Users' (All), 'Accounts' (All, Zepcam Demo), and 'Actions' (All, added new comment, bulk update Profile for Devices, change bitrate). There are 'Cancel' and 'Load Log' buttons. Below the filter is an 'Actions' table with columns: Session, Account, User, Date Time, Action, Device, and Entity. The table shows one entry for Session 109645, Account Zepcam Demo, User Administrateur, Date Time 15-11 10:53:20, Action login, Device -, and Entity -. An 'Export' button is located at the top right of the table.

ZEPCAM Manager – User log page

- To view the loggings, use the filter to select period, device name, user, action and account.
- To undo a selected filter, select “All”.
- After placing a filter, select “Load Log” and view the actions in the list below.
- Within the list it is possible to make a sub selection, e.g., on type of action, Device or Entity (recording id for example).
- To view information and all actions of a single session, click on a session ID. A pop-up shows the session information:

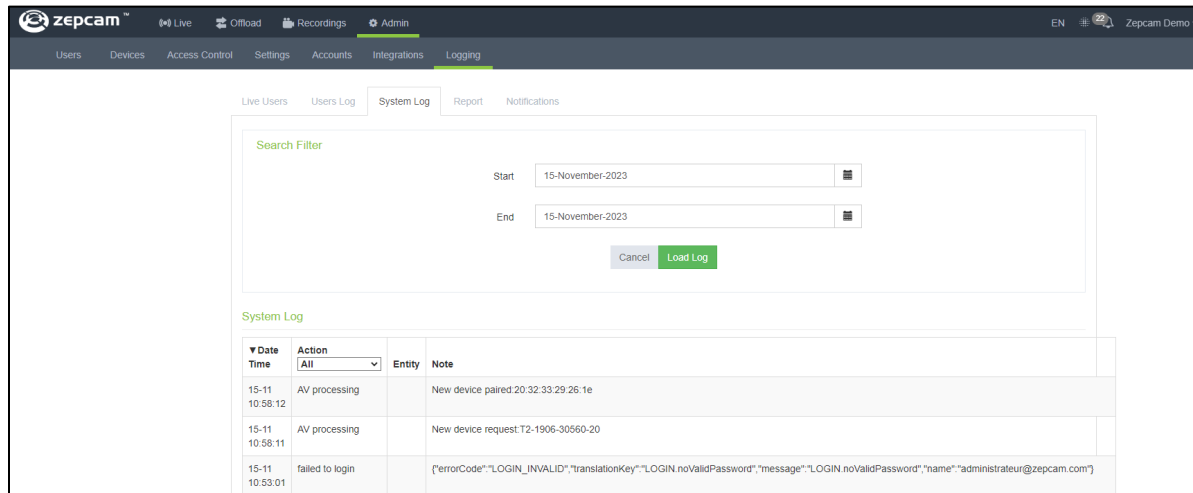
The screenshot shows a pop-up window for session ID 109645. The window has a title bar with the session ID and a close button. Inside, there's a tabbed interface with 'Session' and 'Actions' tabs. The 'Session' tab is active, showing a table with session details:

Start	15-11 10:53:20
End	15-11 11:53:45
Account	Zepcam Demo
User	Administrateur
IP	217.62.63.169

- The user log has the option to export the displayed log result. The data is exported as csv and can be opened with Excel.

6.7.2 System Log

This section shows the loggings of system related messages and failed logins:



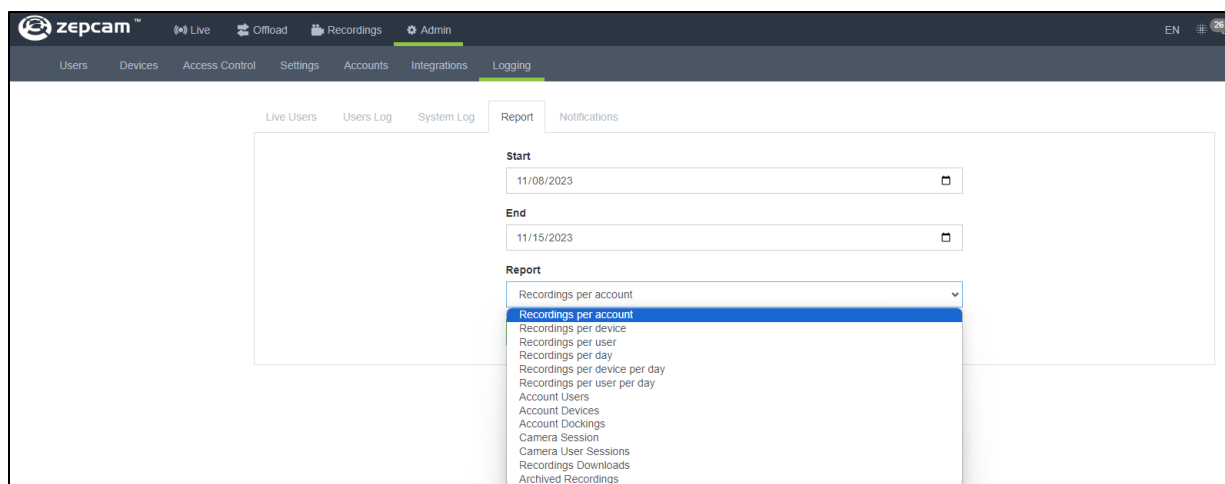
ZEPCAM Manager – System log page

- To view the loggings, use the filter to select period.
- After placing a filter, select “Load Log” and view the actions in the list below.
- Within the list it is possible to make a sub selection using the “Action” pull down menu.

6.7.3 Reports

Reports can be generated within an account.

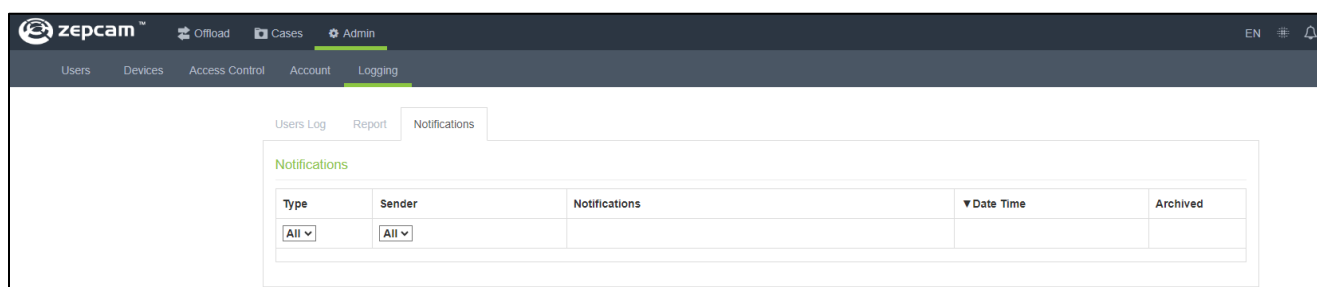
- Recordings per account
- Recordings per device
- Recordings per user
- Recordings per day
- Recordings per device per day
- Recordings per user per day
- Account users
- Account Devices
- Account Dockings
- Camera Sessions
- Camera User Sessions
- Recording Downloads
- Archived Recordings



The reports can be exported in .csv format.

6.7.4 Notifications

This section shows a list of all notifications given by the system:



ZEPCAM Manager – Notifications page

Notifications are also shown in the top menu:



Examples of notifications are: New Device added, Docking Station Docked, Status of redaction etc.

Notifications are stored for a period of 30 days. Select Archive if longer storage is required.

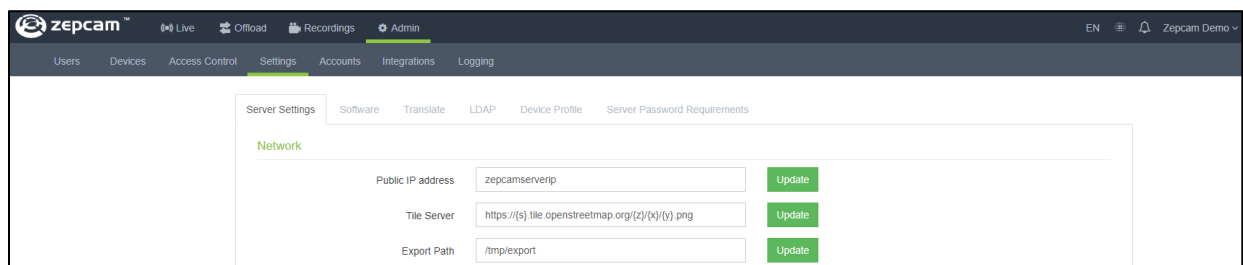
7 ADVANCED USE

This section explains several advanced functionalities which are available for on-premises ZEPCAM Server Software installations. To view and manage these functionalities you need to log in with a User that has an Admin or Master user role.

7.1 SETTINGS

You can configure the following settings and perform the following actions:

Server Settings



ZEPCAM Manager – Server Settings page

Network

- Public IP address (required to be able to pair devices)

Note: When you are using devices via the Internet and on your LAN, you can configure both the public IP and the LAN IP of the server; In this case two pairing codes are generated:

Public IP address	zpcamserverip1, zpcamserverip2
-------------------	--------------------------------

The first code is for zpcamserverip1 (internet/wan)

<http://www.zepcamserver.zepcam.com/> and the 2nd for the LAN

(zpcamserverip2).

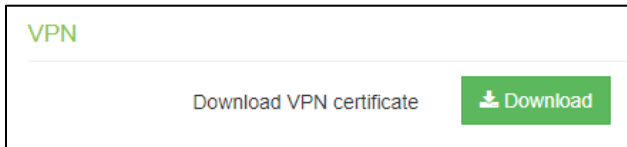
- Tile server: Enables to link/use a custom map:

Tile Server	https://{s}.tile.openstreetmap.org/{z}/{x}/{y}.png
-------------	--

The map displayed can be configured by setting the tile server on the settings page or by setting the map configuration in the configuration file via the command line:

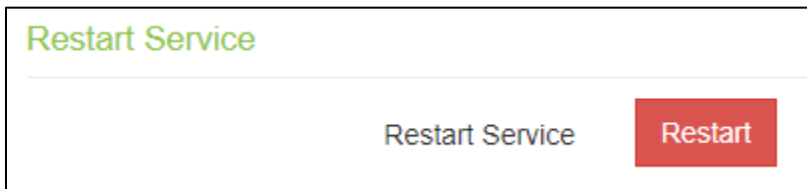
server/config/environment/ index.js (root access required) In the config file also the center of the map can be set, this is the place where the map will open if there are no cameras to show. If auto discover is set to true, the map will first try to get the position from the browser otherwise the given latitude and long will be used (Zaltbommel in the example).

- Download VPN certificate (only possible for on premises ZEPCAM Server software or private Cloud); provides the possibility to download the VPN certificate and setup a VPN tunnel with the ZEPCAM Server enabling you to connect with any online device of your account supporting a VPN connection.

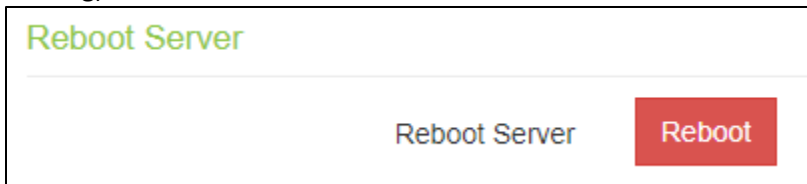


More details in the “ZEPCAM remote file retrieval and configuration & ZEPCAM MVB remote (camera) configuration” manual.

- Restart Service: reset of the ZEPCAM services without reboot:



- Reboot Server: Reboot the physical server or VM where the ZEPCAM Server Software is running):



- Server License: <https://Zepcamsupport.zendesk.com/hc/enus/articles/360000339592-How-to-activate-the-Zepcam-Sever-Software-license>
- Upload new version: Provides the possibility to easily upgrade/patch the ZEPCAM Server Software: <https://Zepcamsupport.zendesk.com/hc/enus/articles/360000340932-How-to-upgrade-the-Zepcam-Server-Software>

- Version: overview of the current version of the different Server Software components:

Version

Client:	3.0.0.57
Server:	3.0.2.21
Database:	2.0.0.23, required: 2.0.0.22
ONVIF version	-
Processing version:	20.0.1.66

Note: ONVIF is only supported by the ZEPCAM devices (ZEPCAM Mobile Video Box, ZEPCAM T1 Live and T2 Bodycam). These devices are end of life and out of service).

- GDPR: enable or disable the GDPR-compliant recordings retention policy:

GDPR

GDPR-compliant recordings retention policy

☒

When enabled, the retention time is calculated based on the start date and time of the recording.

When disabled, the retention time is calculated based on the date and time of upload to the server.

7.2 Firmware updates

ZEPCAM notifies when new firmware is available to upload in ZEPCAM Managers Software page:

Live
Offload
Recordings
Admin
EN

Access Control
Settings
Accounts
Integrations
Logging

Server Settings
Software
Translate
LDAP
Device Profile
Server Password Requirements

Software Overview

Upload T3 Firmware
Update Software

Device Type	Version	Date
T1-XT	Not found!	-
T2	Not found!	-
T2+	20220105	05-01-2022 09:23
MVB	Not found!	-
DockingStation	v3.0.11	28-03-2024 15:32
ZepcamConnect	Not found!	-
T3-firmware-vdefault.img	default	-
T3-firmware-v1.0.01-2.img	1.0.01-2	-
T3-firmware-v2.1.0.img	2.1.0	-
T3-firmware-v2.0.0.img	2.0.0	-
T3-firmware-v3.1.2.img	3.1.2	-
T3-firmware-v2.1.2.img	2.1.2	-

ZEPCAM Manager – Software page

T3 Live Bodycam

To install the new firmware for the T3 Live Bodycam:

1. Select "Upload T3 Firmware" and upload new T3 firmware in Zepcam Manager.
2. Make sure the T3 Live Bodycam is connected to the server via a T3 Docking Station.
3. The T3 Live Bodycam automatically downloads the new firmware when docked and all recordings are offloaded.
4. The new T3 firmware is applied when T3 is rebooted after the new firmware is uploaded to the T3.

7.3 Language

This page provides the ability to change the language translations of specific words within ZEPCAM Manager:

Edited	Group	Key (807)	Reference (en)	Translation (en)
	All	Search ...	Search ...	Search ...
	ADMIN	AccessCtrl	Access Control	Access Control
	ADMIN	Account	Account	Account

ZEPCAM Manager – Language settings

With the “Export” button a .csv will be exported with the current translations. With the “Import” button this .csv file can be imported after adjustments. Click “Save” when a translation is altered.

Please contact Zepcam Support to add additional language.

Appendix A Roles & Rights

Cloud				
Rights	Role			
	Master	Admin	User	Viewer
Add and edit devices, users, groups	N/A	Yes		
Manage access		Yes		
View account info		Yes		
Integrate with 3rd party software		Yes		
View notifications		Yes		
Change users of recordings (only for T2+)		Yes	Yes	
View live streams		Yes	Yes	Yes
Control T3 Live bodycam		Yes	Yes	Yes
View recordings		Yes	Yes	Yes
Archive recordings		Yes	Yes	Yes
Delete & download recordings		Yes	Yes	

On-premises standard				
Rights	Role			
	Master	Admin	User	Viewer
Server Settings	N/A	Yes		
Add and edit devices, user, groups		Yes		
Manage access		Yes		
View account info		Yes		
View notifications		Yes		
Change users of recordings (only for T2+)		Yes	Yes	
View live streams		Yes	Yes	Yes
Control T3 Live bodycam		Yes	Yes	Yes
View recordings		Yes	Yes	Yes
Archive recordings		Yes	Yes	Yes
Delete & download recordings		Yes	Yes	

On-premises enterprise				
Rights	Role			
	Master	Admin	User	Viewer
Create and manage accounts	Yes			
Server Settings	Yes			
Logging access	Yes			
Add and edit devices, user, groups	Yes	Yes		
Manage access	Yes	Yes		
View account info	Yes	Yes		
View notifications	Yes	Yes		

Integration with 3rd party software	Yes	Yes		
Change users of recordings (only for T2+)	Yes	Yes	Yes	
View live streams	Yes	Yes	Yes	Yes
Control T3 Live bodycam	Yes	Yes	Yes	Yes
View recordings	Yes	Yes	Yes	Yes
Archive recordings	Yes	Yes	Yes	Yes
Delete & download recordings	Yes	Yes	Yes	