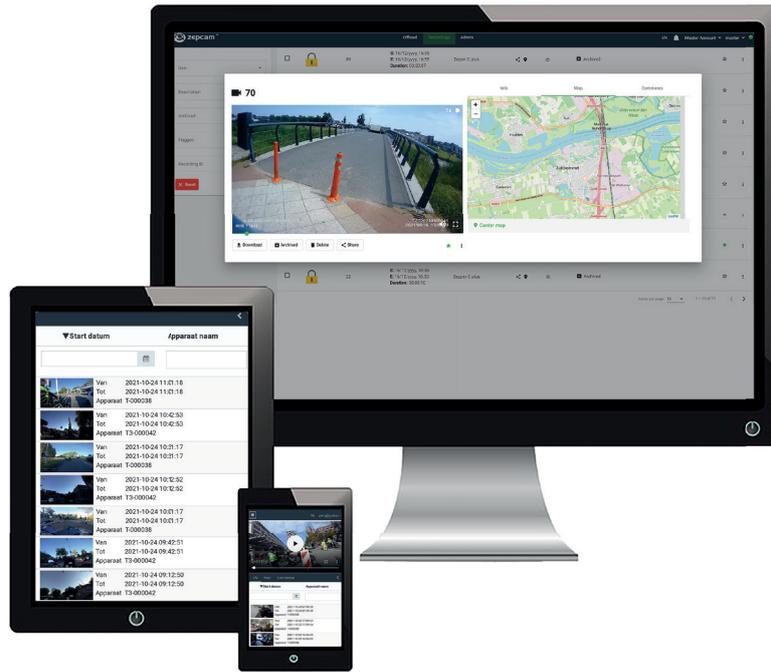
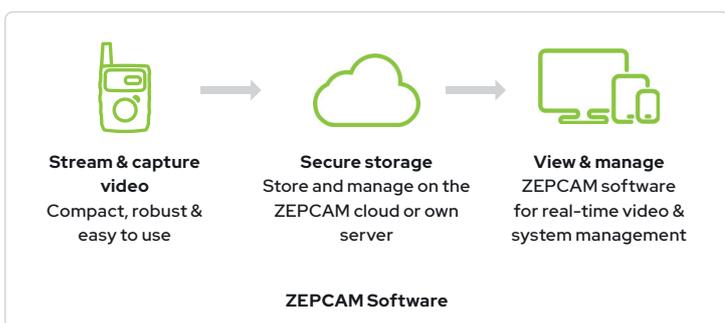


ZEPCAM Manager Software Functionalities

DATASHEET



ZEPCAM Manager Software is used to run and manage all aspects of your body worn video operation. It manages the complete system of ZEPCAM bodycams, docking stations, back end server and the browser-based client side software.



System management

- ✓ System setup (connect cameras, docking stations, add users, roles, etc)
- ✓ Manage mobile video devices, docking stations, and users
- ✓ Security management
- ✓ Integrate with third party software

Evidence management

- ✓ Store, share and manage (video) evidence

Live stream management

- ✓ Manage and view livestreams, GPS and metadata

Functionality	Description	Configuration Consultancy Required
SYSTEM SETUP & SYSTEM MANAGEMENT		
Setup roles & rights	Default 3 different levels: admin, user, viewer. Enterprise version of ZCM also supports Master level. Custom setup possible	
Roll Based Access Control	Granular rights settings possible at camera level	
User & camera groups	Organise users and cameras into groups and assign rights to groups	●
Add cameras, docking stations, users	Manual or bulk (file upload). Easy, fast and secure device pairing	●
Active Directory, OAUTH, LDAP support	Third party managed access to ZEPCAM Manager (secure authentication, authorisation & user management). On development consultancy basis	
Fixed user-to-camera assignment	Assign each user to a fixed (personal) camera	
Dynamic user-to-camera assignment with keypad or RFID card	Enter user ID at docking station via keypad or RFID. Connected HDMI screen to the docking station shows connection status, camera charging, offload status and assigned user confirmation	
Browser based application	No end-user software installation needed	
Responsive design for screen, tablet and smartphone	User interface automatically adjusts to screen size and screen position for optimal use	
User friendly design	ZEPCAM Manager features have a clear, intuitive design. This ensures short learning cycles, time saving workflows, minimal risk for user faults	
Password protection & policy	For access the application requires username and password	
Password policy	Set password format and policy, 10 variables possible	●
4 eyes principle	Access to image viewing only after login of 2 authorised users	●
Set user ID length and format	Support up to 12 characters. For docking station and web application. Format enforcement support	●
2 Factor Authentication support	Authenticator APP required	●
Centralized, remote device management and firmware updates	Admin can view status of all connected bodycams and docking stations in the system. Bulk remote firmware update support. Docking station status includes: connectivity status, offload and recharge status at individual camera level	
Create accounts	An account is an extra level to organise users and devices. Only available for enterprise version of ZCM	●
Multi language support	6 languages currently supported: English, German, French, Dutch, Spanish, Romanian	
Custom language support	Add an extra language by file upload. On development consultancy basis	
Account view	View account info and account use	
Docking station, camera and assigned user overview	Overview with connection status and offloading status info of connected docking stations and cameras placed in docking stations. Overview of cameras in the field and assigned users to these field cameras	

Functionality	Description	Configuration Consultancy Required
API for 3rd party integration	Onvif Profile S, General API, Milestone Xprotect, Genetec Security Center, Genetec Clearance	●
Logging	All actions of system, devices, users, live events and API events are being logged and are available to view, filter and export	
Chain of custody	Reporting and logging are available to proof and show all actions of evidence and devices	
Management reporting	A wide range of reports available and can be exported. Custom reporting can be developed upon request	
Device profiles	Set device profiles to automatically configure one or multiple cameras in the field. Profiles include resolution, pre-event recording, IR behaviour, GPS on/off etc.	
Notifications	Notification centre for system notifications	
Browser compatibility	Modern versions of Chrome, Firefox, Internet Explorer	
Set export path	Define export path for individual file export function and retrieval by 3rd party applications	
GDPR compliancy & privacy	Retention settings, redaction, 4 eyes principal support, reason for viewing, role-based access control, minimal meta data	●
Security	A wide range of security measures have been implemented, including AES 256 end to end file Encryption (bodycam, docking station, server), SSL, HTTPS, Key Management, decryption on the fly	
System robustness	The system has been engineered for robust and reliable operation. Failover mechanisms and watchdogs for critical processes and connections	
Set public IP address	Needed for system setup / device pairing	
Support map services	Default map is Open Streetmap. Selected other map services and client-side map hosting are supported. On development consultancy basis	●
Restart	Restart application and server	
Set VPN	Needed for support and remote management of certain devices	●
EVIDENCE MANAGEMENT		
Automatic file upload	Automatic offload of recorded videos from bodycam to docking station and upload to the server. No extra user handling required	
File & data storage	Storage of video files and metadata	
View video, GPS position & meta data	Play video at different speeds (0.5x, 1x, 1.5x, 4x, 8x, 16x, 32x), audio controls, full screen mode. Use events and map view to quickly navigate to key moments in video	
Interactive map	Use map to navigate and jump to a moment in the video	
Reason for viewing	Enter reason and report number to view or download a recording. View log in a separate tab. Option to make fields mandatory	
View meta data	4 type of views for metadata: map with synchronised GPS position, general metadata, events view with tags (field tags, post recording tags) including event comments, general comments view	●
Add meta data	Add post-recording tags & tag description, add file description	
Multi criteria search including geo search	Powerful filter, search on metadata keywords, user ID, camera ID, GPS area, time, description etc.	
Video editing	Video editor to trim videos. Video editing in file copy, original file is never altered	

Functionality	Description	Configuration Consultancy Required
Automated redaction of faces and number plates	Time saving redaction functionality for fast and accurate blurring. Automatic face detection, object select and deselect, fixed and dynamic object tracking, manual editing, masking, blur type selection	
Archiving, retention & auto deletion	Set retention rules (system wide and per video)	●
Download & delete files	User can download or manually delete files. Depending on role and assigned user rights	
Export video	Export of individual video including metadata (.gpx, .json) to a shared folder to integrated with 3rd party systems	●
Manually upload files	Select and upload files from computer and upload to ZEPCAM Manager. Files are treated as evidence files and visible in Recording section	
Case Management	Create cases based on one or more video files and add comments	
Change user	Change user of an uploaded bodycam video. Only available for authorised users	
Chain of evidence	All user actions and evidence actions are logged	
Internal sharing	Recordings can be shared with registered users within ZEPCAM Manager	
Favourites	Mark videos as favourite for fast search	●
User search	In dropdown or free search format	●
LIVE STREAM MANAGEMENT		
View simultaneous live streams	Select live streams and view them simultaneously. 1, 4, 9 grid supported	
Live IP camera support	View wireless streaming IP cameras. ZEPCAM Mobile Video box needed	
Remote camera management	Start / stop streaming of remote cameras, including PTZ control of IP cameras	
Real time GPS position	View real time GPS position of connected bodycams. Selection possible of one or more GPS positions	
Server side recording of live streams	Record live streams at server for replay at later moment	
Dynamic bandwidth Management	ZEPCAM Active Link technology to optimize video streaming over dynamic and unreliable wireless networks. Robust & secure streaming with ultra-low latency	
VARIOUS		
Versions	ZEPCAM Manager Software is available as Standard and Enterprise version. The Enterprise software version is developed for large organizations and supports accounts and an extra rights level	
Hosting	ZEPCAM Manager Software is available for ZEPCAM managed cloud, Client managed cloud, national cloud and on-premise	