Dallmeier

VIDEO SECURITY,
DATA PROTECTION AND DATA SECURITY

See more.

EU-GDPR
QUO VADIS, VIDEO SECURITY?

SINGLE SOURCE OF TRUST.

New laws: Increasing transparency requirements

After a two-year transitional period, the EU General Data Protection Regulation (EU-GDPR) and new national data protection laws will apply from 25 May 2018. This increases the requirements for transparency in data processing and the requirements for **data protection** and **data security**.

The „problem":
No specific regulation for video surveillance

Video surveillance will continue to be a topic of significant practical importance for both the regulatory authorities and the operators of such systems even after 25 May 2018. The EU-GDPR itself does not include any specific regulations relating to video surveillance. Accordingly, the degree to which previous assessments regarding data protection law can be retained in practice is unclear. Nevertheless, there are often national regulations for video surveillance. Whether and to what extent such regulations are applicable, given the primacy of application of the EU-GDPR, remains subject to a decision in the respective, specific cases. We therefore advise the appointment of a lawyer in case of doubt.

Relevance of certificates remains to be seen

In addition, certification procedures and data protection seals for products and services are to increase transparency and improve compliance with the EU-GDPR. However, despite the two-year transition period, no valid certifications confirming conformity with the requirements of the EU-GDPR are possible before 25 May 2018 (please ensure official accreditation here!). It also remains to be seen how such data protection certificates will prove themselves in practice.

Our Dallmeier strategy: Deliver technical answers

According to the opinions of experts and our opinion at Dallmeier, there will be many paragraphs and articles concerning data protection law "on paper" after 25 May 2018. The final interpretation thereof in practical terms is still not defined immutably by any means. For the rest of 2018 it will be the subject of contentious debate and definition by the European data protection supervisory authorities, up to and including a final decision on disputed points by the Court of Justice of the European Union.
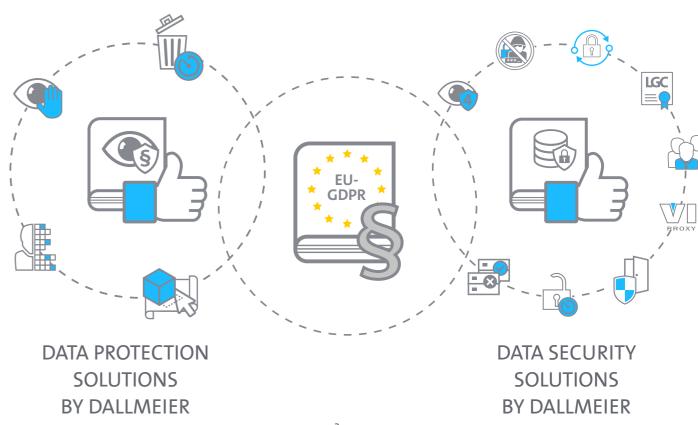
In our opinion, it is therefore the best way to use solutions that alreday today provide technical answers to all of the expected requirements.

For sustainable and pragmatic video security

Dallmeier can look back on more than 30 years of experience in this field as a made-in-Germany manufacturer of video security technology, whereby in Germany, for example, high standards regarding data protection and data security already applied before the EU-GDPR.

In this brochure we would like to show you how Dallmeier's holistic planning, solution and security approach can help you to meet data protection and data security requirements pragmatically and sustainably already today and in the future with the goal of effective video security.

DATA PROTECTION   EU-GDPR   DATA SECURITY

DATA PROTECTION
SOLUTIONS
BY DALLMEIER

DATA SECURITY
SOLUTIONS
BY DALLMEIER

DATA PROTECTION.

„PRIVACY BY DESIGN".

WHAT IS DATA PROTECTION?

DATA PROTECTION REFERS TO THE PROTECTION OF ANY INDIVIDUAL'S PRIVACY. THUS, A KEY QUESTION IN TERMS OF DATA PROTECTION IS WHETHER IT IS PERMISSIBLE TO COLLECT AND PROCESS PERSONAL DATA AT ALL.

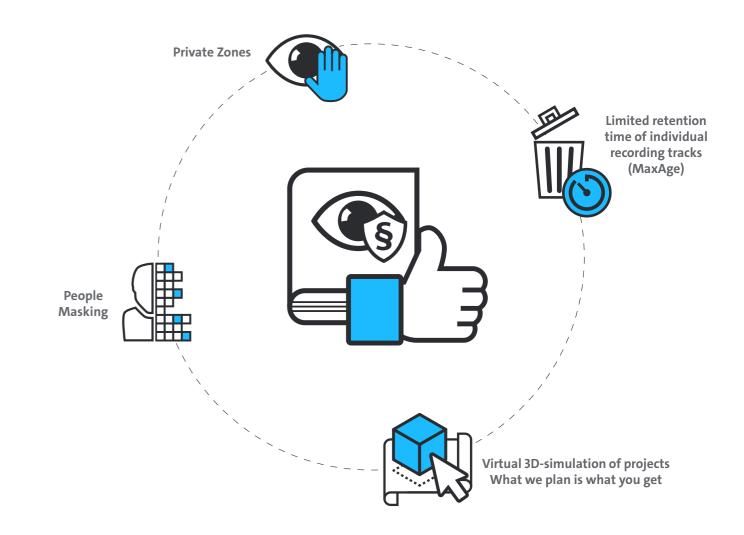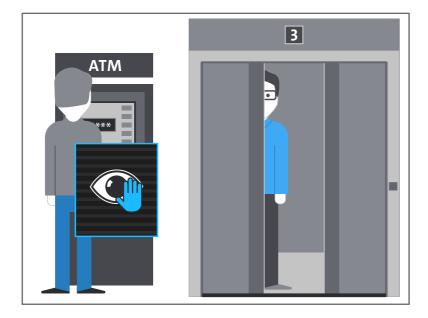## READY FOR THE DATA PROTECTION OF THE FUTURE

Dallmeier solutions protect the personal rights of each individual in the collection and processing of data through integrated functions and are ready for future legal requirements.

WHAT DOES THE EU-GDPR SAY?

ACCORDING TO ART. 25 EU-GDPR, APPROPRIATE TECHNICAL AND ORGA-NISATIONAL MEASURES ARE TO BE IMPLEMENTED TO ENSURE THAT DATA PROTECTION PRINCIPLES AND THE RIGHTS OF THE PERSONS AFFECTED ARE SAFEGUARDED („PRIVACY BY DESIGN").

Private Zones

Limited retention time of individual recording tracks (MaxAge)

People Masking

Virtual 3D-simulation of projects
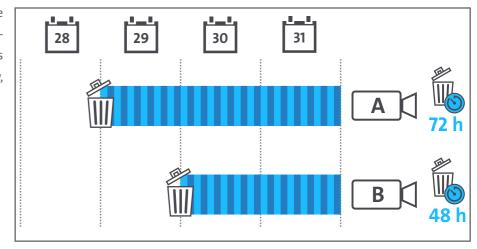What we plan is what you get

PRIVATE ZONES

Dallmeier products offer privacy masking of screen areas in order to maintain and ensure protection of privacy. It is technically not possible to restore the masked content in retrospect thus legal requirements are easily fulfilled.

LIMITED RETENTION TIME OF INDIVIDUAL RECORDING TRACKS (MAXAGE)

A maximum retention time can be defined on a per track / per camera basis. During operation, all older images are being deleted automatically, permanently and reliably.
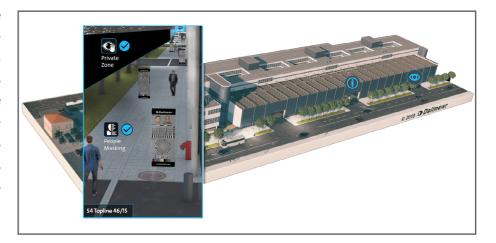

PEOPLE MASKING

Smart filters can automatically mask people - both static and in motion. If required, the masking can be deactivated in the live image as well as in the recording.

VIRTUAL 3D-SIMULATION OF PROJECTS WHAT WE PLAN IS WHAT YOU GET

Even before project realisation, the image quality (pixel density), obstructions etc. can be simulated for each camera within its field of view. This also makes areas „visible" that are irrelevant in terms of data protection law. Thus, our solutions, such as Private Zones or People Masking, can be planned in advance for areas relevant to data protection.

DATA SECURITY.

„SECURITY BY DESIGN".

WHAT IS DATA SECURITY?

THE PURPOSE OF DATA SECURITY IS TO ADDRESS SECURITY RISKS AND PROTECT CONFIDENTIAL AND PERSONAL DATA FROM BEING MANIPULATED, LOST OR UNAUTHORISED ACCESS, FOR EXAMPLE. THIS MEANS: WITHOUT DATA SECURITY, THERE CAN BE NO DATA PROTECTION!
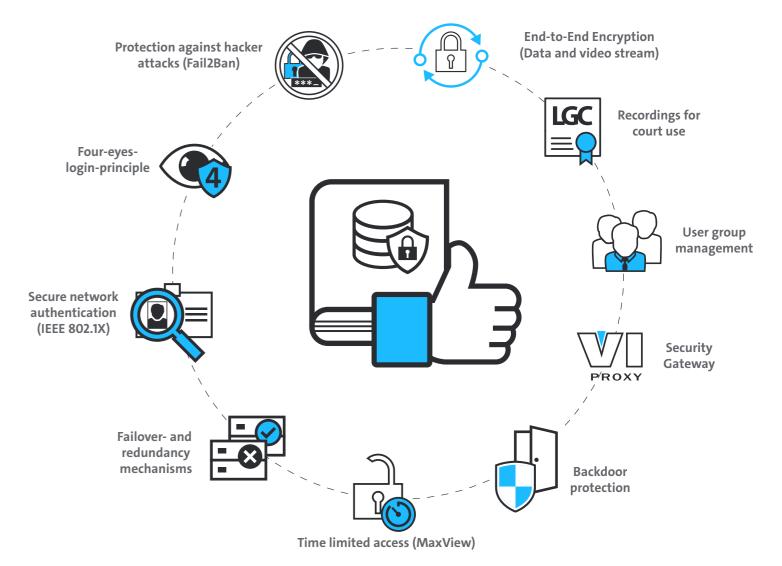
WHAT DOES THE EU-GDPR SAY?

ACCORDING TO ART. 32 EU-GDPR APPROPRIATE TECHNICAL AND ORGANISATIONAL MEASURES ARE TO BE IMPLEMENTED TO GUARAN-TEE THAT THE LEVEL OF PROTECTION IS COMMENSURATE WITH THE RISK („SECURITY BY DESIGN").
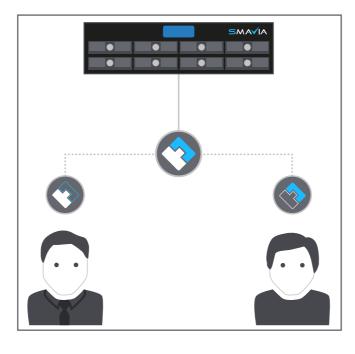
READY FOR THE DATA SECURITY OF THE FUTURE

Dallmeier solutions protect confidential or personal data from manipulation, loss or unauthorised access and are ready for future legal requirements.
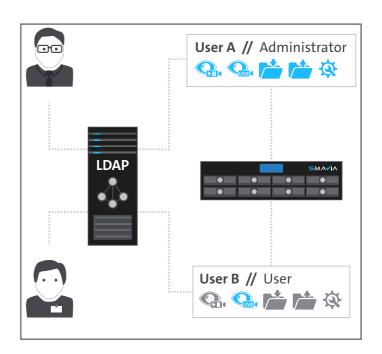
Protection against hacker attacks (Fail2Ban)

End-to-End Encryption (Data and video stream)

Recordings for court use

Four-eyes-login-principle

User group management

Secure network authentication (IEEE 802.1X)

Security Gateway

Failover- and redundancy mechanisms

Backdoor protection

Time limited access (MaxView)

FOUR-EYES-LOGIN-PRINCIPLE

Access to Dallmeier appliances can be limited to authentication based on the four-eyes-login-principle. In that case, access is only possible with an additional, second password.
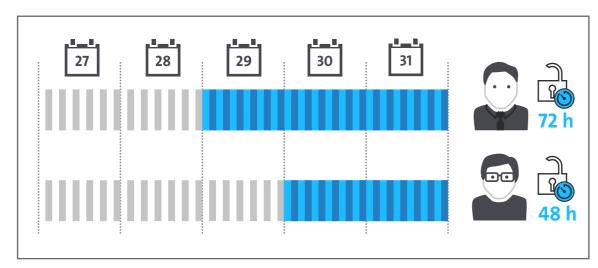

USER GROUP MANAGEMENT

Different access rights can be assigned to each user group depending on the required privacy level. Active Directory (AD) integration via the LDAP protocol is supported.

User A // Administrator

User B // User

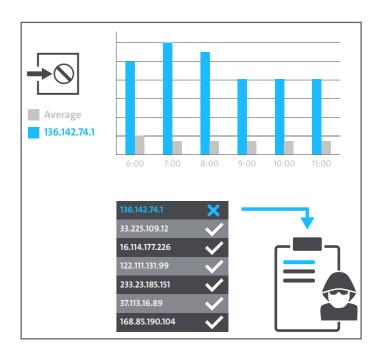## TIME LIMITED ACCESS FOR DIFFERENT USER GROUPS (MAXVIEW)

72 h

48 h

For each user group, the periods of the recordings that they can access can be limited. Images that are older than the set period can not be evaluated.

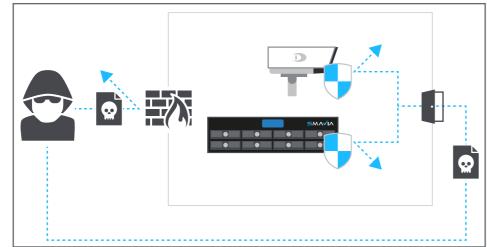## PROTECTION AGAINST HACKER ATTACKS (FAIL2BAN)

The Fail2Ban function for secure detection of hacker attacks constantly analyses connection attempts to the Dallmeier recording appliance. In case of repeated failed connections, the corresponding IP address is blocked for a certain time.

Average
136.142.74.1

6:00 7:00 8:00 9:00 10:00 11:00

136.142.74.1
33.225.109.12
16.114.177.226
122.111.131.99
233.23.185.151
37.113.16.89
168.85.190.104

BACKDOOR PROTECTION

In-house development of all soft-, hard- and firmware for Dallmeier solutions prevents hidden access. Hardened operating systems of the camera and recording systems prohibit infiltration with malware.
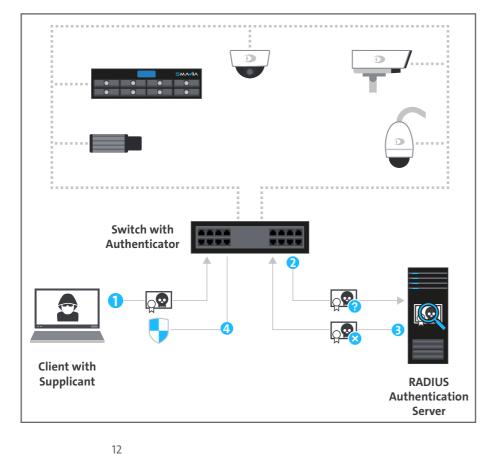

RECORDINGS FOR COURT USE

Footage from Dallmeier video surveillance systems meets all requirements to be used as evidence in court. Image quality, tamper protection as well as the protection against unauthorized access comply with the LGC certification.

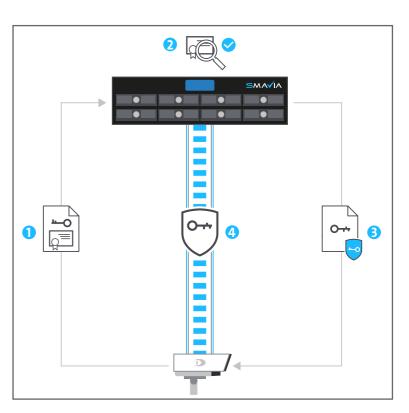# SECURE NETWORK AUTHENTICATION (IEEE 802.1X)

A secure IEEE 802.1X authentication method protects the network from unauthorized access. Certificate-based authentication via RADIUS Server is being initiated whenever a proper device is being physically connected.
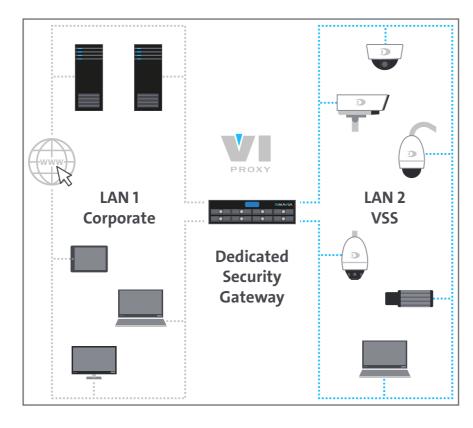

Switch with Authenticator

Client with Supplicant

RADIUS Authentication Server

END-TO-END ENCRYPTION (DATA AND VIDEO STREAM)

Both data and video transmission between the latest Dallmeier systems can be end-to-end encrypted with TLS 1.2 / AES 256 bit.
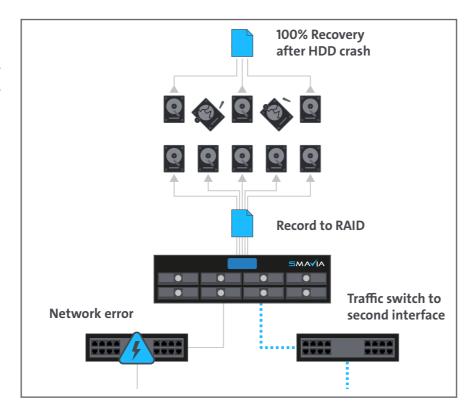
SECURITY GATEWAY

The Dallmeier recording appliance acts as a security gateway / proxy server of the video system, preventing unauthorized access and reducing overall network load.
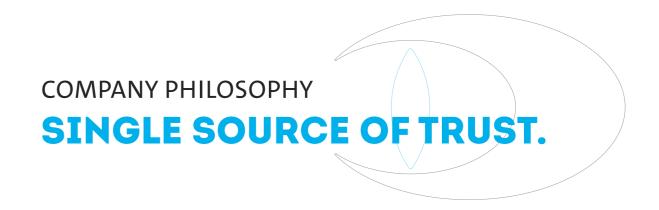

LAN 1
Corporate

LAN 2
VSS

Dedicated
Security
Gateway

FAILOVER AND REDUNDANCY MECHANISMS

If system components fail, Dallmeier appliances are kept highly available by various solutions. Both data storage and network connection (link redundancy) can be secured redundantly.

100% Recovery
after HDD crash

Record to RAID

Network error

Traffic switch to
second interface

COMPANY PHILOSOPHY
SINGLE SOURCE OF TRUST.

EVERYTHING FROM ONE RELIABLE SOURCE

In uncertain times of Internet of Things (IoT) and cyber threats, as a manufacturer of video security solutions and management software, we plead not for less, but for more trustful manufacturer uniformity in security topics in order to operate in a coordinated complete system that is reliable and secure at the same time.

All products are developed and manufactured at Dallmeier's own production facilities in Germany. Made by Dallmeier, made in Germany. Because data protection and data security are a matter of trust — especially when it comes to video security.

> WE AT DALLMEIER BELIEVE IN MAKING THE GOOD EVEN BETTER, THE SECURE EVEN SAFER AND DATA PROTECTION COMPLIANT.

Experience data protection and data security according to EU-GDPR live applied and vividly visualised in the Dallmeier world.

MADE IN GERMANY

Dallmeier

Dedicated to quality. Driven by passion.

MADE IN GERMANY

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Further official information on EU-GDPR:

See more.