Dallmeier

REV. 1.0.0 | 2022-03-04

TECHNICAL INFORMATION

SEMSY® COMPACT

NEW FEATURES AND CHANGES

SOFTWARE VERSION 5.2.23

MADE IN GERMANY

See more.

Copyright © 2022 Dallmeier electronic GmbH & Co.KG

The reproduction, distribution and utilization of this document as well as the communication of its contents to others without express authorization is prohibited. Offenders will be held liable for the payment of damages.

All rights reserved in the event of the grant of a patent, utility model or design.

The manufacturer accepts no liability for damage to property or pecuniary damages arising due to minor defects of the product or documentation, e.g. print or spelling errors, and for those not caused by intention or gross negligence of the manufacturer.

Figures in this document may differ from the actual product.
We reserve the right to make technical modifications.

All trademarks identified by ® are registered trademarks of Dallmeier.

Third-party trademarks are named for information purposes only.
Dallmeier respects the intellectual property of third parties and always attempts to ensure the complete identification of third-party trademarks and indication of the respective holder of rights. In case that protected rights are not indicated separately, this circumstance is no reason to assume that the respective trademark is unprotected.

ABSTRACT

This document contains information on new features and changes that are introduced with the current software version. Finally, the document provides an overview of the major innovations and changes that have been introduced with the various software versions.

VALIDITY

This document applies to the SeMSy® Compact software.

COMPATIBILITY

The appliance is compatible with the following hardware and software after the update to the current version:

- SeMSy® Recording Server V10 as of version 10.x.1
- SMAVIA Recording Server V9 as of version 9.x.10
- SMAVIA Recording Server V8 as of version 8.x.12
- Operating system Microsoft Windows 10 (64 Bit)
- NVIDIA driver as of version 456.38

Software Download
The current software version of SeMSy® Compact is available in the download center at www.dallmeier.com.

GENERAL NOTES

Note that

- this update is free of charge.
- the innovations are only generally described in this document.
- the use of some functions may require a license subject to charges.
- the Dallmeier support hot-line is always available for further questions.

PREPARATION

Before installing SeMSy® Compact, the driver of the graphics cards should be updated. This is not required for the installation itself, but for the subsequent first start of SeMSy® Compact and the ongoing operation. The required version 456.38 of the NVIDIA driver can be obtained from the Internet, for example at https://www.nvidia.com/en-us/drivers/results/163532/.

UPDATE

SeMSy® Compact is only offered as a full installation. An older version can be updated by installing it into the existing installation directory, whereby the configuration is taken over. If the default settings of the new version are to be used, the old version must be uninstalled and the installation directory deleted.

INSTALLATION

The installation of SeMSy® Compact must be done by a user with administrator rights for the operating system. After the installation SeMSy® Compact must be started at least once by this administrator, so that the necessary entries are written into the Windows registry and are then also available for users without administrator rights.

DOWNGRADE

SeMSy® Compact introduces in version 5.2.3 (and thus in version 5.2.23 as well) a new encryption of the configuration file ***ProgramData.bin***. If you want to change back to the old version 5.1.19 after the installation of version 5.2.3 (5.2.23) a, the configuration file must first be exported (Configuration -> Import/Export). After the installation of version 5.1.19 the file can then be imported accordingly.

NEW FEATURES AND CHANGES

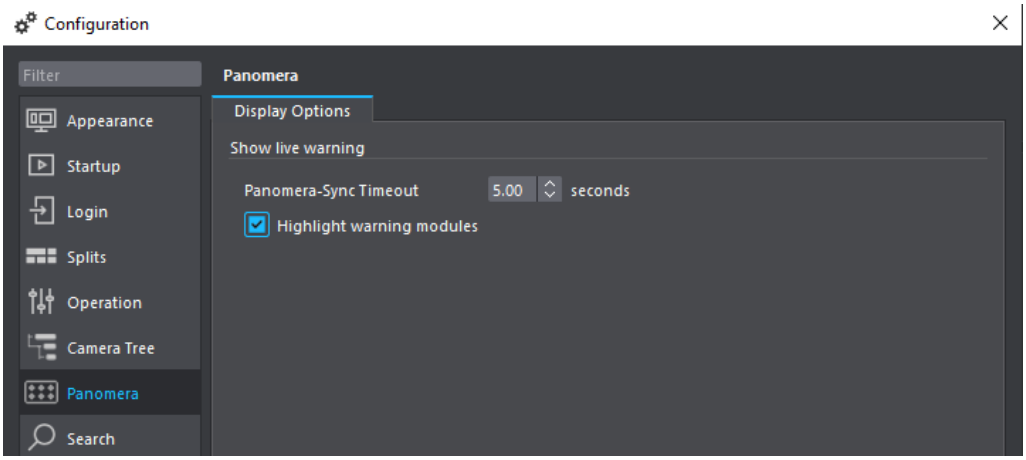
PANOMERA® LIVE WARNING

Description

SeMSy® Compact allows the display of the overview module of Panomera® systems but also the display of all modules (up to eight) in individual splits.

The previous version of SeMSy® Compact was already equipped with a function for monitoring the live display of the overview module. In the event of a temporary network disturbance (e.g. spanning tree, burst) and the associated interruption of the live stream, a corresponding warning is displayed in the remaining image of the split.

Starting with the current version of SeMSy® Compact, this live monitoring can also be extended to the modules displayed in individual splits. This setting is made in the ***Configuration*** dialog in the ***Panomera*** section.



Note that a minimum network connection downtime (time-out) can be set until the warning is displayed. This time period makes it possible to intercept very short failures and is equally valid for the overview module and the individual modules.

SMARTFINDER FOR FISHEYE CAMERAS

Description

The SmartFinder function of SeMSy® Compact in the current version has been already prepared for the evaluation of AI analysis data of the next Fisheye camera series (DOMERA®). The object types and events delivered by the camera can be filtered as usual and selected for the display of the corresponding images.

DIGITAL PTZ CONTROL

Description

For the current version of SeMSy® Compact, the Digital PTZ Control function has been visually revised and adapted to the corresponding function of the HEMISPHERE® SeMSy® Workstation software. The basic functionality of the control of PTZ and fisheye cameras or Panomera® W systems remains unchanged.

DISPLAY ANALYTICS CONFIDENCE

Description

SeMSy® Compact have already been extended in the current version for the display of the AI analytics data of the next camera series (DOMERA®). In addition to the already known output of, for example, object types in the displayed image, the display of the confidence of the analytics can now also be activated in the ***VCA Display Settings*** dialog.

With the confidence, the analytics indicates in a value range from 0.0 to 1.0 how much it "trusts" the classification (e.g. person) of a detected object. The higher the value, the more confident the analyst is that the classification is correct.

The interpretation of the confidence is not trivial. The output value cannot be interpreted as a percentage of the correct classification. It serves as a comparative value: with a twice as high confidence, the analytics is twice as sure to be correct.)

NEW DISPLAY FUNCTIONS

Description

SeMSy® Compact have been equipped with two optional display functions in the current version.

The optional ***Combined Panomera® View*** function supports Panomera® systems that have been combined by adjusting and linking the associated geometry data. This allows the display of the image material (live and playback) as an overall image in a split window.

The optional ***Monitorwall*** function allows a single split window to be stretched over several physical monitors. Especially with combined Panomera® systems, large areas can be displayed on huge display surfaces.

Note that both functions are licensed via a dongle that is connected to the workstation.

GENERAL OPTIMIZATIONS

Description

Various optimizations have been integrated into the current version of SeMSy® Compact in the course of general system maintenance:

- Spanish translation of the user interface integrated
- Search with hierarchical structure of object type selection
- Display of current dongle licenses in ***System Info*** dialog
- Separation of the display of Panomera® modules when starting a backup

CHANGE HISTORY

Below you will find tabular overviews of the major innovations and changes that have been introduced with the various software releases.

New / Changed Features	Software Version											
	5.1.10 (2021-02-26)	5.1.19 (2021-05-05)	5.2.3 (2021-07-26)	5.2.23 (2022-02-16)								
Automatic disconnection	o	x	x	x								
Right for manual connections	o	x	x	x								
OpenSSL Security Fix CVE-2021-3450 and CVE-2021-3449	o	x	x	x								
PRemote-HD filter optimized	o	x	x	x								
Display of external split views optimized	o	x	x	x								
Search in defined period on several days	o	o	x	x								
Search with object size filter	o	o	x	x								
Display of search criteria with tooltip	o	o	x	x								
User rights for camera and track selection	o	o	x	x								
Individual encryption of the configuration data	o	o	x	x								
Integration Panomera® Streaming Server III	o	o	x	x								
Panomera® live warning	o	o	o	x								
SmartFinder for DOMERA® fisheye cameras	o	o	o	x								
Display of analytics confidence	o	o	o	x								
Combined Panomera® View and Monitorwall	o	o	o	x								

x = New/changed feature available in software version

o = New/changed feature not available in software version

[T H I S P A G E W A S I N T E N T I O N A L L Y L E F T B L A N K]

[T H I S P A G E W A S I N T E N T I O N A L L Y L E F T B L A N K]

[T H I S P A G E W A S I N T E N T I O N A L L Y L E F T B L A N K]

HEAD & ACCOUNTS OFFICE

Dallmeier electronic GmbH & Co.KG
Bahnhofstr. 16
93047 Regensburg
Germany

tel +49 941 8700 0
fax +49 941 8700 180
mail info@dallmeier.com

www.dallmeier.com