

Software Version

8.2.1.12

Box Cameras
DF5200HD-DN
DF5300HD-DN

Dome Cameras
DDF5200HDV-DN
DDF5300HDV-DN

Module Camera
MDF5200HD-DN

IR Camera
DF5200HD-DN/IR

Panomera®
Nightline Series
Topline Series

English

1 Abstract

This document contains information on new features and changes that are introduced with the latest software version.

In addition, it includes descriptions for a correct update process.

Finally, this document provides an overview of the tested and supported features of the different software versions.

2 Validity

This document applies to the following devices:

Box Cameras	Dome Cameras	Module Camera	IR Camera
• DF5200HD-DN • DF5300HD-DN	• DDF5200HDV-DN • DDF5300HDV-DN	• MDF5200HD-DN	• DF5200HD-DN/IR

Panomera®

- Nightline Series
- Topline Series

The descriptions in this document are based on the software version **8.2.1.12**.

3 Compatibility

The software version **8.2.1.12** is compatible with the following hard- and software:

- Dallmeier Live Video ActiveX¹⁾ control as of version 1.3.1.10
- SMAVIA Viewing Client as of version 2.1.0.20
- SMAVIA Viewer as of version 2.1.0.20
- SMAVIA Appliances as of version 8.x.8 SP B

¹⁾ ActiveX is a trademark or registered trademark of Microsoft Corporation headquartered in Redmond, Washington, USA.

4 General Notes

Note that

- the software update to version **8.2.1.12** is free of charge.
- new features and changes are only generally described in this document.
- the Dallmeier support hotline is always available for further questions.
- some features may be subject to costs.
- due to dynamic development and constant improvement, some functions may not be provided in all software versions.

5 Update Procedure

The software update to version **8.2.1.12** can be downloaded from the corresponding product pages on www.dallmeier.com.

The update is performed over the network using the **PService** software which is also available for download on www.dallmeier.com.

You only need to download and install PService once.

Updating your IP device is only possible via TCP/IP. Therefore, your IP device must be available in your local area network (LAN) in order for data to be transferred successfully.

Performing Update

1. Download the required zip files.
2. Unzip the downloaded zip files into a local directory on your hard disk (using WinZip^{*)} or a similar program).
3. Run PService.
4. Follow the update instructions in the corresponding PService documentation.

^{*)} WinZip is a trademark or registered trademark of WinZip International LLC headquartered in Storrs Mansfield, Connecticut, USA.

NOTICE:

Only files with the ending *.sh can be opened.

Leave the "Update code" field blank.

5. Once all required information has been entered, click "OK".

The update process is then started.

NOTICE:

Do not disconnect the device from the power supply during the update process (up to 5 minutes).

The device will automatically reboot after the update process is completed.

6 New Features and Changes

Exposure and focus control (Panomera®)

Description	The exposure and focus control at low frame rates (<12.5fps) have been optimized.		
Availability	X	Update	X Reinstallation
Hardware		Necessary	X Not necessary
Requirements			

Compatibility check of update files

Description	As of the current version, the transfer of incorrect update files, that are only compatible with single-sensor cameras, is automatically stopped on Panomera® Multifocal Sensor Systems.		
Availability	X	Update	X Reinstallation
Hardware		Necessary	X Not necessary
Requirements			

Internal SDK

Description	With the current version, the internal SDK has been updated to improve the overall system stability and performance.		
Availability	X	Update	X Reinstallation
Hardware		Necessary	X Not necessary
Requirements			

Security patch

Description	In the previous version a potential attacker could have gained access to protected and encrypted files of the integrated web server. With the current version, a security patch has been implemented which prevents unauthorized access to all protected and security-related resources.		
Availability	X	Update	X Reinstallation
Hardware		Necessary	X Not necessary
Requirements			

Export of support file via PService

Description	As of the current version, the direct export of the encrypted camera support file via PService is supported. The encrypted support file can then be sent to the Dallmeier support team for analysis purposes.		
Availability	X	Update	X Reinstallation
Hardware		Necessary	X Not necessary
Requirements	PService version higher than 3.0.6.0		

Network parameters

Description	With the current version, several network parameters have been improved, allowing to properly run the cameras even in low-bandwidth network environments.		
Availability	X	Update	X Reinstallation
Hardware		Necessary	X Not necessary
Requirements			

7 Functional Range

The described general functional range of the software may possibly not be relevant for all devices. Always observe the corresponding specifications of the respective device.

Function	Version										
	8.1.0.9	8.1.1.21	8.2.0.12	8.2.1.12							
Presets for SEDOR® Intruder	O	X	X	X							
Exposure priority function	O	X	X	X							
Privacy zones in conjunction with “Flip” function	O	X	X	X							
Completion and synchronization of time zones	O	X	X	X							
Optimum allocation of timestamps	O	X	X	X							
“EdgeStorage for Emergency Recording with Smart Backfill” function added	O	O	X	X							
Basic network settings – validation of host name added	O	O	X	X							
Handling of space characters and plus signs in user and group names corrected	O	O	X	X							
MJPEG live video over TCP corrected	O	O	X	X							
Auto-correction of overlong camera names added	O	O	X	X							
H.264 live video over RTSP – compatibility with Apple ^{*)} QuickTime ^{*)} Player added	O	O	X	X							
<small>*) Apple and QuickTime are trademarks or registered trademarks of Apple Inc. headquartered in Cupertino, California, USA.</small>											
Default GoP size (H.264) changed to 24 frames	O	O	X	X							
Resolution 1440 × 1080 pixels added	O	O	X	X							
“Digital Image Shift” function added	O	O	X	X							
Import/export of configuration settings completed	O	O	X	X							
Audio support added	O	O	X	X							

Function	Version										
	8.1.0.9	8.1.1.21	8.2.0.12	8.2.1.12							
Panomera®: Exposure and focus control at low frame rates optimized	O	O	O	X							
Compatibility check of update files for Panomera® Multifocal Sensor Systems added	O	O	O	X							
Internal SDK updated for overall system stability and performance improvements	O	O	O	X							
Security patch implemented to fix critical web server vulnerability	O	O	O	X							
Support for direct export of encrypted camera support file via PService added	O	O	O	X							
Several network parameters for use in low-bandwidth network environments improved	O	O	O	X							

X = Function is available in version
 O = Function is not available in version

Furthermore, note that the functional range is subject to a dynamic development and determined by the requirements of the market and the product policy.
 Some functions are designated for implementation in a later version or may not be implemented at all.

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