

Software Version

8.3.2.19

Dome Cameras

DDF5400HDV-DN

DDF5300HDV-DN

DDF5200HDV-DN

Box Cameras

DF5300HD-DN

DF5200HD-DN

IR Cameras

DF5400HD-DN/IR

DF5200HD-DN/IR

DF5200HD-IR-ANPR

Module Camera

MDF5200HD-DN

Panomera®

Nightline-Serie

Topline-Serie

Ultraline-Serie

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:

Dome Cameras	Box Cameras	IR Cameras	Module Camera
• DDF5400HDV-DN	• DF5300HD-DN	• DF5400HD-DN/IR	• MDF5200HD-DN
• DDF5300HDV-DN	• DF5200HD-DN	• DF5200HD-DN/IR	
• DDF5200HDV-DN		• DF5200HD-IR-ANPR	

Panomera®

- Nightline-Serie
- Topline-Serie
- Ultraline-Serie

The descriptions in this document are based on the software version **8.3.2.19**.

3 Compatibility

The software version **8.3.2.19** is compatible with the following hard- and software:

- Dallmeier Live Video ActiveX^{*)} control as of version 1.3.1.10
- SMAVIA appliances as of version 8.x.11
- SMAVIA Viewing Client as of version 2.4.18
- SMAVIA Viewer as of version 2.4.18

^{*)} 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 **8.3.2.19** 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 **8.3.2.19** can be downloaded from the corresponding product pages on www.dallmeier.com.

The update is performed over the network using the **PService3** software which is also available for download on www.dallmeier.com.

You only need to download and install PService3 once.

Updating your IP device is only possible via TCP/IP. Therefore, your IP device has to be available in your local area network (LAN) so that the data can 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 PService3.
4. Follow the update instructions in the corresponding PService3 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.

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

Video Content Analysis (VCA)

Description	<p>With the current version, the Intelligent Video Analysis (IVA) feature, also known as Video Content Analysis (VCA), is introduced to single-sensor cameras of the 5200 series (except DF5200HD-IR-ANPR).</p> <p>Now, these cameras are capable of autonomously detecting motions and objects in the captured scene and of analyzing them with highly sophisticated algorithms in real-time (Real-time Video Analysis).</p> <p>Detected motions and the resulting events triggered by the camera are sent with the relevant metadata in real-time to the respective SMAVIA appliance for storage and further processing. In addition, detected objects can be automatically classified according to their specific characteristics and then assigned to a defined object type.</p> <p>Using SMAVIA Viewing Client and its SmartFinder function, image sequences with motion events and classified objects can be specifically searched for and evaluated in the recorded video material. This allows the operator to find relevant incidents in a very effective manner.</p> <p>The following integrated analysis applications are supported as of the current version:</p> <ul style="list-style-type: none"> • Intrusion Detection Automatic motion detection of objects entering or leaving user-defined sensitive areas • Line-Crossing Detection Automatic motion detection of objects that cross a user-defined virtual line • Tamper Detection Camera sabotage protection • Object Classification Automatic classification of moving objects based on their specific characteristics (detection of persons and vehicles) • Face Detection Automatic detection of faces for a simplified subsequent forensic analysis of the recorded video material <p>Note that the VCA feature is only available as a factory pre-installed feature.</p>		
Availability	Update	X	Reinstallation
Hardware	Necessary	X	Not necessary
Requirements	<ul style="list-style-type: none"> • SMAVIA appliances as of version 8.x.11 • SMAVIA Viewing Client as of version 2.4.18 		

Resolution 3312 × 2488 pixels (Panomera® Ultraline series)

Description	As of the current version, the resolution 3312 × 2488 pixels is supported by Panomera® models of the Ultraline series.		
Availability	X	Update	X Reinstallation
Hardware		Necessary	X Not necessary
Requirements			

Russian language

Description	With the current version, the Russian translation of the graphical user interface (GUI) has been revised and optimized.		
Availability	X	Update	X Reinstallation
Hardware		Necessary	X Not necessary
Requirements			

Appearance and behavior of graphical user interface (GUI) in Chrome[®] and Opera[®] web browsers

Description	<p>With the current version, the appearance and behavior of the graphical user interface (GUI) in Chrome[®] and Opera[®] web browsers has been optimized.</p> <p>All trademarks identified by [®] are trademarks or registered trademarks of the following owners: Chrome of Google Inc. headquartered in Mountain View, California, USA; Opera of Opera Software AS headquartered in Oslo, Norway.</p>		
Availability	X	Update	X Reinstallation
Hardware		Necessary	X Not necessary
Requirements			

Drawing multiple privacy zone masks

Description	<p>In previous versions, an already drawn privacy zone mask was unintentionally repositioned after drawing another privacy zone mask if the starting point of the new drawn privacy zone mask (the start position of the mouse pointer) was in the already drawn privacy zone mask.</p> <p>This problem has been resolved with the current version.</p>		
Availability	X	Update	X Reinstallation
Hardware		Necessary	X Not necessary
Requirements			

SSH port security

Description	<p>As of the current version, the SSH port (TCP port 22) is always closed for security reasons to block any potential incoming attacks against the SSH server of the cameras right from the beginning.</p> <p>Re-enabling the SSH access manually (opening the SSH port) via the WebConfig user interface of the cameras is no longer possible; the corresponding setting has been removed.</p> <p>In very exceptional cases, for example, in case of remote software diagnosis and maintenance purposes, the SSH port can be re-opened temporarily for script-based administrative tasks by Dallmeier. In this case, please contact the Dallmeier Support.</p>		
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.

X = Function is available in version

O = Function is not available in version

Function	Version									
	8.1.0.9	8.1.1.21	8.2.0.12	8.2.1.12	8.2.1.15	8.2.1.21	8.2.1.35	8.3.0.11	8.3.2.12	8.3.2.19
Presets for SEDOR® Intruder	O	X	X	X	X	X	X	X	X	X
Exposure priority function	O	X	X	X	X	X	X	X	X	X
Privacy zones in conjunction with “Flip” function	O	X	X	X	X	X	X	X	X	X
Completion and synchronization of time zones	O	X	X	X	X	X	X	X	X	X
Optimum allocation of timestamps	O	X	X	X	X	X	X	X	X	X
“EdgeStorage for Emergency Recording with Smart Backfill” function added	O	O	X	X	X	X	X	X	X	X
Basic network settings – validation of host name added	O	O	X	X	X	X	X	X	X	X
Handling of space characters and plus signs in user and group names corrected	O	O	X	X	X	X	X	X	X	X
MJPEG live video over TCP corrected	O	O	X	X	X	X	X	X	X	X
Auto-correction of overlong camera names added	O	O	X	X	X	X	X	X	X	X
H.264 live video over RTSP – compatibility with Apple ^{*)} QuickTime ^{*)} Player added	O	O	X	X	X	X	X	X	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	X	X	X	X	X	X
Resolution 1440 × 1080 pixels added	O	O	X	X	X	X	X	X	X	X
“Digital Image Shift” function added	O	O	X	X	X	X	X	X	X	X
Import/export of configuration settings completed	O	O	X	X	X	X	X	X	X	X
Audio support added	O	O	X	X	X	X	X	X	X	X

Function	Version									
	8.1.0.9	8.1.1.21	8.2.0.12	8.2.1.12	8.2.1.15	8.2.1.21	8.2.1.35	8.3.0.11	8.3.2.12	8.3.2.19
Panomera®: Exposure and focus control at low frame rates optimized	O	O	O	X	X	X	X	X	X	X
Compatibility check of update files for Panomera® Multifocal Sensor Systems added	O	O	O	X	X	X	X	X	X	X
Internal SDK updated for overall system stability and performance improvements	O	O	O	X	X	X	X	X	X	X
Security patch implemented to fix critical web server vulnerability	O	O	O	X	X	X	X	X	X	X
Support for direct export of encrypted camera support file via PService3 added	O	O	O	X	X	X	X	X	X	X
Several network parameters for use in low-bandwidth network environments improved	O	O	O	X	X	X	X	X	X	X
TCP live connection issues during “SmartBackfill” resolved	O	O	O	O	X	X	X	X	X	X
DaVid protocol for Panomera® AutoCalibration tool extended (Panomera® Nightline series)	O	O	O	O	X	X	X	X	X	X
Bootloader issues when reading information from flash memory during startup resolved	O	O	O	O	X	X	X	X	X	X
Audio support for MDF5200HD-DN (DHD129-xxxxxxx) added	O	O	O	O	O	X	X	X	X	X
“Preset automatic” feature changed (always starts with “Day” preset now)	O	O	O	O	O	X	X	X	X	X
Manual white balance issues after camera reboot resolved	O	O	O	O	O	X	X	X	X	X
“EdgeStorage” – support for microSDXC cards up to 64 GB added	O	O	O	O	O	O	X	X	X	X
<small>*) microSDXC is a trademark or registered trademark of SD-3C, LLC headquartered in North Hollywood, California, USA.</small>										
Resolution 1920 × 1200 pixels (16:10) added	O	O	O	O	O	O	X	X	X	X
Setting for bandwidth limit (per stream) added	O	O	O	O	O	O	X	X	X	X
Internal buffering improved	O	O	O	O	O	O	X	X	X	X
WebConfig user interface improved	O	O	O	O	O	O	X	X	X	X

Function	Version									
	8.1.0.9	8.1.1.21	8.2.0.12	8.2.1.12	8.2.1.15	8.2.1.21	8.2.1.35	8.3.0.11	8.3.2.12	8.3.2.19
Initial release for Ultraline series	○	○	○	○	○	○	○	○	○	○
„EdgeStorage for Emergency Recording with Smart Backfill“ function optimized	○	○	○	○	○	○	○	○	○	○
DHCP support added	○	○	○	○	○	○	○	○	○	○
MTU settings added	○	○	○	○	○	○	○	○	○	○
5200 (Nightline) series: • Frame rate 50/60 fps@1080p added • Frame rate 100/120 fps@720p added	○	○	○	○	○	○	○	○	○	○
5300 (Topline) series: • Frame rate 50/60 fps@1080p added	○	○	○	○	○	○	○	○	○	○
“Analytic” preset added	○	○	○	○	○	○	○	○	○	○
“Panomera® Stadium” preset added	○	○	○	○	○	○	○	○	○	○
“Text overlay” settings extended	○	○	○	○	○	○	○	○	○	○
ONVIF Profile S interoperability extended	○	○	○	○	○	○	○	○	○	○
DDF5300HDV-DN: Specific video resolutions for casino applications added	○	○	○	○	○	○	○	○	○	○
Encoder performance optimized	○	○	○	○	○	○	○	○	○	○
Panomera® module synchronization optimized	○	○	○	○	○	○	○	○	○	○
Support for analog audio output (talkback capability) added	○	○	○	○	○	○	○	○	○	○
HTTPS added	○	○	○	○	○	○	○	○	○	○
Reboot problem after day/night switching resolved	○	○	○	○	○	○	○	○	○	○
Reboot permission via PService3 changed	○	○	○	○	○	○	○	○	○	○
Problem with video recording quality of 5MP@25/30 fps via recorder configuration resolved	○	○	○	○	○	○	○	○	○	○
Initial release for IR camera DF5400HD-DN/IR	○	○	○	○	○	○	○	○	○	○

Function	Version									
	8.1.0.9	8.1.1.21	8.2.0.12	8.2.1.12	8.2.1.15	8.2.1.21	8.2.1.35	8.3.0.11	8.3.2.12	8.3.2.19
Video Content Analysis (VCA) feature added	O	O	O	O	O	O	O	O	O	X
Resolution 3312 × 2488 pixels added (only to Panomera® models of the Ultraline series)	O	O	O	O	O	O	O	O	O	X
Russian translation optimized	O	O	O	O	O	O	O	O	O	X
Appearance and behavior of graphical user interface (GUI) in Chrome ^{*)} and Opera ^{*)} web browsers optimized										
All trademarks identified by ^{*)} are trademarks or registered trademarks of the following owners: Chrome of Google Inc. headquartered in Mountain View, California, USA; Opera of Opera Software AS headquartered in Oslo, Norway.	O	O	O	O	O	O	O	O	O	X
Problem with drawing multiple privacy zone masks resolved	O	O	O	O	O	O	O	O	O	X
SSH port security enhancements	O	O	O	O	O	O	O	O	O	X

X = Function is available in version

O = Function is not available in version

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