

TECHNICAL INFORMATION

CAMERA FIRMWARE
V.11.1.2.15
CHANGELOG

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This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<https://www.openssl.org>) and cryptographic software written by Eric Young (eay@cryptsoft.com).

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INTRODUCTION

1.1 ABOUT THIS DOCUMENT

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

In addition, the document contains detailed descriptions and instructions for carrying out a successful firmware update.

Finally, the document shows a structured list with the main new features and changes of the current firmware version and all previous firmware releases (changelog).



This document only provides general information on new features and changes that are introduced with the current firmware version.

*Detailed descriptions on how to configure your Dallmeier IP device can be found in the **Download Centre** at www.dallmeier.com.*

1.2 TARGET AUDIENCE OF THIS DOCUMENT

This document is particularly intended for the following persons:

- Highly qualified integrators (installers) of Dallmeier video security systems
- Experienced network administrators
- IT security experts

1.3 VALIDITY

This document applies to the following devices:

Dome Cameras	IR Cameras	Module/Fisheye Cameras
<ul style="list-style-type: none">• DDF5250HDV-DN-IM• DDF5450HDV-DN-IM• DDF5250HDV-DN-SM• DDF5450HDV-DN-SM	<ul style="list-style-type: none">• DF5250HD-DN/IR• DF5450HD-DN/IR	<ul style="list-style-type: none">• SDF5450HD-DN• MDF5250HD-DN• MDF5450HD-DN
Panomera® S Series (Mountera®)	Panomera® W Series (Mountera®)	
<ul style="list-style-type: none">• Panomera® S4 Topline• Panomera® S8 Topline• Panomera® S8 Ultraline	<ul style="list-style-type: none">• Panomera® W4 Ultraline• Panomera® W8 Ultraline	

Table 1-1

The descriptions in this document are based on the firmware version **11.1.2.15**.

1.4 COMPATIBILITY

The firmware version **11.1.2.15** is compatible with the following hardware and software:

- SMAVIA appliances of generation 5 as of firmware version 8.x.12 SP A
- SMAVIA appliances of generation 6 as of firmware version 9.x.6
- SMAVIA Viewing Client as of software version 2.8.13
- SMAVIA Viewer as of software version 2.8.13
- SeMSy® III Video Management System as of version 1.7.3
- Panomera® AutoCalibration 2 as of version 2.2.11.28
- SeMSy® Compact as of software version 5.0.42
- HEMISPHERE® SeMSy® Video Management System as of version 5.0.95

1.5 GENERAL NOTES

Note that

- the firmware update to version **11.1.2.15** is free of charge.
- new features and changes that are introduced with the current firmware version are only generally described in this document.
- the Dallmeier support hotline is always available for further questions concerning the current firmware update.
- a paid license may be required for activating a new feature that is introduced with the current firmware version.
- new features and changes described in this document may not be relevant to all of the above-mentioned devices, and their availability always depends on the device specifications (see the current product specification of your device at www.dallmeier.com).

UPDATING THE FIRMWARE

The firmware update to version **11.1.2.15** can be downloaded free of charge from the **Download Centre** at www.dallmeier.com.

The firmware update is performed over the local area network (LAN) using the **PService3** software, which can also be downloaded free of charge from the **Download Centre** at www.dallmeier.com.

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 update file can be successfully transferred (contact your network administrator for further information and assistance if necessary).

Performing the Update

1. Go to the **Download Centre** at www.dallmeier.com and download the firmware update (zipped folder with update file and license text) valid for your IP device.
2. Unzip the zipped (compressed) folder after downloading to any local directory on your hard disk.
3. Run **PService3**.
4. Follow the instructions for performing firmware updates in the **PService3** documentation.
5. To update your IP device, select the unpacked update file with the file extension ***.sh**.

NOTICE

Invalid update file

Only files with the ***.sh** file extension can be opened.

6. If necessary, enter the login credentials for gaining access to your IP device.
7. Click **OK** and confirm the start of the firmware update process in the subsequent info dialog.

The update process is then started.

NOTICE

Hardware and software malfunctions due to an incomplete or failed firmware update

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

Your IP device will automatically reboot after the update process is successfully completed.



You can also update your camera directly via the WebConfig user interface of the camera itself ("Service" dialog > "System state" tab).

NEW FEATURES AND CHANGES

Below you will find all new features and changes that are introduced with the current firmware version.

Russian Translations of WebConfig GUI

This firmware release updates various Russian translations of the web-based graphical user interface (WebConfig GUI).

Manual Adjustment of Image Contrast

This firmware release changes the availability of the manual contrast setting. As of this version, the “Contrast” slider for the manual adjustment of the image contrast is only available in the “Image optimization” tab if the “Default” option is selected in the “Gamma curve” drop-down list.



Note that the “Gamma curve” drop-down list is only available if the “Disabled” option is selected in the “Auto contrast” drop-down list.

Privacy Zones

This firmware release includes optimizations regarding the drawing and saving as well as the display accuracy of privacy zones.

In addition, the process of importing saved configuration settings for privacy zones is improved by enhancing some internal functions.

Static Streaming Server

This firmware release fixes an issue that prevents video data from being actively transmitted to the network when activating the static streaming server (“Network” dialog > “Streaming” tab) by selecting a “Stream ID > [n]” if the corresponding video encoder (“Stream [n]”) is not already enabled in the “Video” dialog at the time of activating the static streaming server but is enabled afterwards.

Implementation of ONVIF Core Specification Version 19.12

As of this firmware version, the open standards of ONVIF Core Specification Version 19.12 are supported (previously 17.06) to extend interoperability with other ONVIF compliant products that are using the same global standards for IP-based security products.

ONVIF – Getting Configuration Options for Audio Output

This firmware release fixes an issue with getting configuration options for audio output via the ONVIF protocol (e.g. with ONVIF Device Manager).

| Security Fixes for Multiple Vulnerabilities in jQuery

This firmware release fixes multiple vulnerabilities in jQuery that, under certain circumstances, may allow a potential attacker to execute arbitrary program code on the system or perform cross-site scripting (XSS) code injection attacks to compromise the system:

The following vulnerabilities are fixed:

- CVE-2020-11022
- CVE-2020-11023

Further information on the above-mentioned vulnerabilities can be found, for example, at:
<https://cve.mitre.org/>

| General Minor Bug Fixes and Improvements in System Stability and Performance

This firmware release includes general minor bug fixes and improvements in system stability and performance.

CHANGELOG

Below you will find a structured list with the main new features and changes of the current firmware version and all previous firmware releases (changelog).

V.11.1.2.15 | Release Date: 2021-06-29

- Various Russian translations of WebConfig GUI updated
- Availability of “Contrast” slider for manual adjustment of image contrast changed (as of this version only available if “Gamma curve” option is set to “Default”)
- Privacy zones:
 - Optimizations for drawing and saving privacy zones implemented
 - Optimizations regarding the display accuracy of stored privacy zones implemented
 - Process of importing saved configuration settings for privacy zones improved
- Problem with static streaming server fixed that prevented video data from being actively transmitted to the network when activating the static streaming server (“Network” dialog > “Streaming” tab) by selecting a “Stream ID > [n]” if the corresponding video encoder (“Stream [n]”) was not already enabled in the “Video” dialog, but was enabled afterwards
- ONVIF Core Specification Version 19.12 implemented (previously 17.06)
- Problem with getting configuration options for audio output via ONVIF fixed
- Following security vulnerabilities in jQuery fixed:
 - CVE-2020-11022
 - CVE-2020-11023
- General minor bug fixes and improvements in system stability and performance



V.11.1.1.17 | Release Date: 2020-08-04

Downgrade of Panomera® systems to V.11.1.0.xx no longer possible.

- “Gamma curve” image setting extended by “Low contrast” and “Highlights” setting options
- Availability of “Gamma curve” image setting changed (as of this version only available if “Auto contrast” image setting is disabled)
- “Corridor mode” revised (only for single-sensor cameras; except fisheye models):
Support for correctly rotated images in third-party applications implemented (encoder-side image rotation)
- User management:
New option for improving password security added (forces the assignment of a strong password according to a predefined password policy when adding or editing a user)
- Privacy zones:
 - Optimizations for drawing and saving privacy zones implemented
 - Optimizations regarding the accuracy of stored privacy zones implemented
- Optimizations regarding the export and import of configuration parameters implemented
- Header image in WebConfig user interface of MDF5250HD-DN changed
- Resolution 3312 × 2488 pixels added
- ONVIF Profile T conformance test passed (does not apply to fisheye models)
- Security patch for integrated NTP daemon (Network Time Protocol) implemented
- General minor bug fixes and improvements in system stability and performance

V.11.1.0.26 | Release Date: 2020-02-07

- Initial release for:
 - Panomera® S4 Topline (Mountera®)
 - Panomera® S8 Topline (Mountera®)
 - Panomera® S8 Ultraline (Mountera®)
 - MDF5250HD-DN
 - MDF5450HD-DN
- Integrated fans of Panomera® systems switched to permanently active
- Optimized activation of Video Content Analysis functions
- General minor bug fixes and improvements in system stability and performance

V.11.1.0.17 | Release Date: 2019-08-08

- Initial release for:
 - Panomera® W4 Ultraline (Mountera®)
 - Panomera® W8 Ultraline (Mountera®)
- General minor bug fixes and improvements in system stability and performance



No separate “Technical Information” has been created for this firmware version.

V.11.1.0.15 | Release Date: 2019-07-26

- Initial release for:
 - DDF5250HDV-DN-IM
 - DDF5450HDV-DN-IM
 - DDF5250HDV-DN-SM
 - DDF5450HDV-DN-SM
 - DF5250HD-DN/IR
 - DF5450HD-DN/IR
 - SDF5450HD-DN

 *No separate “Technical Information” has been created for this firmware version.*



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