

Software Version 6.4.4.3

DF4820HD-DN
DDF4820HDV-DN
DF4820HD-DN/IR

English

1 Abstract

This document contains information on new features and changes 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 functionality of the different software versions.

2 Validity

This document applies for the following Dallmeier HD cameras:

- DF4820HD-DN
- DDF4820HDV-DN
- DF4820HD-DN/IR

3 Compatibility

The software version **6.4.4.3** is compatible with the following hard- and software:

- Dallmeier Live Video ActiveX as of version 1.3.1.16
- SMAVIA Viewing Client as of version 1.0.2.16
- SMAVIA Viewer as of version 1.0.2.16
- SMAVIA Appliances as of version 8.x.3
- Recording systems gen. 4 (DMS, DLS, VNS, VNB) as of version 7.1.4
- Recording systems gen. 4 (DMX) as of version 7.3.5

4 General Notes

Note that

- this software update is free of charge.
- the 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 can not be offered in all software versions.

5 Update Procedure

The software update is available on the corresponding product page in www.dallmeier.com.

The update can be performed over the network using the software **PService** which is also available for download in 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.

Perform Update

1. Download the required zip files.
2. Unzip the zip files.
3. Run PService.
4. Follow the update instructions in the respective PService documentation.

NOTICE:

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

Leave the field "Update code" 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 (up to 5 minutes).

The device will automatically reboot after the update is completed.

6 New Features

Monitoring Network Interface

Description	The current version of the camera software monitors its own network interface permanently. If the network driver is loaded incompletely (e.g during the autonegotiation with a switch), a re-initialization is started automatically. If this measure fails, an automatic reboot of the camera is executed.		
Availability	X	Update	X Reinstallation
Hardware		Necessary	X Not necessary
Requirements			

ONVIF Streaming

Description	For the current version of the camera software the streaming over the ONVIF protocol (RTSP over TCP) has been optimized .		
Availability	X	Update	X Reinstallation
Hardware		Necessary	X Not necessary
Requirements			

Adjustment for DF4820HD-DN

Description	The current version of the camera software includes an adaptation of the configuration interface WebConfig to the new design of the box model (displayed image).		
Availability	X	Update	X Reinstallation
Hardware		Necessary	X Not necessary
Requirements			

First Version for DF4820HD-DN/IR

Description	The current version 6.4.4.3 is the first version of the camera software for the model DF4820HD-DN/IR.		
Availability		Update	X Reinstallation
Hardware		Necessary	X Not necessary
Requirements			

Dallmeier Live Video ActiveX Version 1.3.1.16

Description	With this update, the version 1.3.1.16 of the Dallmeier Live Video ActiveX is available for download on the device ("Service" > "Download").		
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										
	6.0.0	6.1.1.8	6.1.2.9	6.3.1.9	6.3.2.23	6.3.2.29	6.4.3.10	6.4.3.12	6.4.3.13	6.4.3.16	6.4.4.3
Zoom and focus fine tuning	O	X	X	X	X	X	X	X	X	X	X
Setting of the slow shutter limit	O	X	X	X	X	X	X	X	X	X	X
SNMP support	O	O	X	X	X	X	X	X	X	X	X
4-megapixel resolution	O	O	X	X	X	X	X	X	X	X	X
Automatic signal gain limiting in normal light conditions	O	O	X	X	X	X	X	X	X	X	X
Automatic contrast control	O	O	X	X	X	X	X	X	X	X	X
Privacy zones up to 20% of the entire image	O	O	X	X	X	X	X	X	X	X	X
Changed format of analogue preview output	O	O	X	X	X	X	X	X	X	X	X
RTCP support	O	O	X	X	X	X	X	X	X	X	X
Noise filter disengageable	O	O	X	X	X	X	X	X	X	X	X
ONVIF 1.02 support	O	O	X	X	X	X	X	X	X	X	X
Manual White Balance (MWB)	O	O	O	X	X	X	X	X	X	X	X
Redundant backup of Config file	O	O	O	X	X	X	X	X	X	X	X
Optimized video preview output: 4CIF/4SIF support at 25/30fps in 4:3 format	O	O	O	X	X	X	X	X	X	X	X
Cleanup of inconsistent ONVIF entries	O	O	O	O	X	X	X	X	X	X	X
Optimization of response times for encoder settings via ONVIF interface	O	O	O	O	X	X	X	X	X	X	X
Dallmeier Live Video ActiveX Version 1.3.0.5	O	O	O	O	X	X	X	X	X	X	X
LDAP improvement for use in domains with double extension	O	O	O	O	X	X	X	X	X	X	X
Optimization "Port Security"	O	O	O	O	X	X	X	X	X	X	X
Optimization of network settings	O	O	O	O	X	X	X	X	X	X	X
Watchdog for boot procedure	O	O	O	O	O	X	X	X	X	X	X
SNMP extensions	O	O	O	O	O	O	X	X	X	X	X
Firmware update directly from WebConfig user interface	O	O	O	O	O	O	X	X	X	X	X
Optimization of slider rendering in Microsoft Internet Explorer 10 & 11	O	O	O	O	O	O	X	X	X	X	X
Dallmeier Live Video ActiveX version 1.3.1.10	O	O	O	O	O	O	X	X	X	X	X
Gamma curve	O	O	O	O	O	O	X	X	X	X	X
Manual setting of shutter speed and signal amplification (gain)	O	O	O	O	O	O	X	X	X	X	X
Performance optimization when drawing privacy zones	O	O	O	O	O	O	X	X	X	X	X
Selective system shutdown or system restart	O	O	O	O	O	O	X	X	X	X	X
"EdgeStorage for Emergency Recording with Smart Backfill"	O	O	O	O	O	O	X	X	X	X	X
Display of Date/Time in the encoded video	O	O	O	O	O	O	X	X	X	X	X
Support of ONVIF Profile S	O	O	O	O	O	O	X	X	X	X	X
Optimization of the analog video preview output (CVBS)	O	O	O	O	O	O	X	X	X	X	X

Function	Version										
	6.0.0	6.1.1.8	6.1.2.9	6.3.1.9	6.3.2.23	6.3.2.29	6.4.3.10	6.4.3.12	6.4.3.13	6.4.3.16	6.4.4.3
Turkish language	O	O	O	O	O	O	X	X	X	X	X
Maximum Transmission Unit (MTU)	O	O	O	O	O	O	X	X	X	X	X
Optimization MJPEG transmission over HTTP	O	O	O	O	O	O	X	X	X	X	X
RTSP Multicast Streaming	O	O	O	O	O	O	X	X	X	X	X
DPC (Dead Pixel Correction)	O	O	O	O	O	O	X	X	X	X	X
“Wide Angle” support for DF4820HD-DN & DDF4820HDV-DN	O	O	O	O	O	O	X	X	X	X	X
Optimized start-up behavior (Network speed and sensor communication)	O	O	O	O	O	O	O	X	X	X	X
Display individual numbers and letters as camera name	O	O	O	O	O	O	O	O	X	X	X
Permanent winter time (Russia)	O	O	O	O	O	O	O	O	O	X	X
Monitoring network interface	O	O	O	O	O	O	O	O	O	O	X
Adjustment for DF4820HD-DN	O	O	O	O	O	O	O	O	O	O	X
First Version for DF4820HD-DN/IR	O	O	O	O	O	O	O	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.
 The following functions are designated for implementation in a later version or may not be implemented at all.

- Motion detection on camera
- Message to alarm host at motion detection

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