



eFilm Workstation®

V. 4.2

RELEASE NOTES

Merge Healthcare
900 Walnut Ridge Drive,
Hartland, WI 53029
USA

MERGE

877.44.MERGE • merge.com

 [@MergeHealthcare](https://twitter.com/MergeHealthcare)

 linkedin.com/company/merge-healthcare

 facebook.com/MergeHealthcare

© Copyright 2016 Merge Healthcare Incorporated, an IBM Company.

The content of this document is confidential information of Merge Healthcare Incorporated and its use and disclosure is subject to the terms of the agreement pursuant to which you obtained the software that accompanies the documentation.

Merge Healthcare® is a registered trademark of Merge Healthcare Inc.

The Merge Healthcare logo is a trademark of Merge Healthcare Inc.

All other names are trademarks or registered trademarks of their respective companies.

U.S. GOVERNMENT RESTRICTED RIGHTS:

This product is a "Commercial Item" offered with "Restricted Rights." The Government's rights to use, modify, reproduce, release, perform, display or disclose this documentation are subject to the restrictions set forth in Federal Acquisition Regulation ("FAR") 12.211 and 12.212 for civilian agencies and in DFARS 227.7202-3 for military agencies. Contractor is Merge Healthcare.

INDICATIONS FOR USE:

eFilm Workstation with Modules is a software application that is used for viewing medical images.

eFilm Workstation with Modules receives digital images and data from various sources (including but not limited to CT, MR, US, RF units, computed and direct radiographic devices, secondary capture devices, scanners, imaging gateways or imaging sources).

eFilm Workstation with Modules can be used to communicate, process and display medical images.

Users have access to various image processing and measurement tools to assist them in viewing images. In addition, users can overlay templates on medical images to aid in preoperative planning.

eFilm Workstation with Modules can be integrated with an institution's existing HIS or RIS for a fully integrated electronic patient record.

Typical users of eFilm Workstation with Modules are trained medical professionals, including but not limited to radiologists, technologists and clinicians.

CAUTION: U.S. Federal law restricts this device to sale by or on the order of a physician.

NOTE: The eFilm software complies with the MDD Council Directive 93/42/EEC of 14 June 1993.



EMERGO EUROPE
Molenstraat 15
2513 BH, The Hague
The Netherlands

Australian Sponsor
Emergo Australia
Level 20, Tower II
Darling Park
201 Sussex Street
Sydney, NSW 2000 Australia

Manufacturer's Address
Merge Healthcare Incorporated
900 Walnut Ridge Drive
Hartland, WI 53029

Canadian Device Identifier: EFILM 01

For application support or to report issues with user documentation, contact Customer Support:

- In North America: call toll-free 1-877-741-5369
- Outside of North America: +31.40.299.0773
- Email: MergeSupport@us.ibm.com

Part	Date	Revision	Description
EFW-1932	November 2016	1.0	Initial version.

About the Solution

The eFilm application is used to view and manipulate medical images. Digital images and data from various sources (including CT, MR, US units, computed and digital radiographic devices, secondary capture devices, scanners, imaging gateways, or imaging sources) can be displayed, analyzed, processed, stored and sent across computer networks using this software. When viewing images, users can perform adjustments of window width and level, image stacking, annotation and measurement of regions of interest, and various image alterations. In addition, eFilm can be integrated with an institution's existing Hospital Information System (HIS) or Radiology Information System (RIS), providing seamless access to reports for fully-integrated electronic patient records.

System Requirements

This section describes the hardware and software required to run eFilm.

Required Hardware

The eFilm application must be run on a computer that meets the following minimum hardware requirements:

- Pentium 4-class processor
- 4 GB RAM
- 40 GB free hard drive space (1 GB for installing eFilm and 39 GB for image storage)
- Display resolution 1280 x 1024 with 32 bit/true color

For 3D Volume Rendering

- Video Card with at least 128 MB video
- RAM that fully supports DirectX 9.0 or higher

When choosing computer hardware, users should note that the most substantial performance gains result when RAM is increased. In order to prevent poor performance of the software, Merge Healthcare does not recommend that eFilm be run on a less powerful system than that listed above. Hard drive space should be added as image storage requirements increase.

Required Software and Operating Systems

eFilm Workstation operates with the following software programs and operating systems (OS):

- Windows 7 Professional (64-bit)
- Windows 8.1 Professional and Core (64-bit)
- Windows 10 Enterprise and Professional (64-bit)
- Microsoft Internet Explorer 7.0 or higher

The eFilm Workstation also requires some prerequisite software that the application installer installs during a successful installation process. This prerequisite software includes the following:

- SQL Server Express 2005 SP2 (for standalone Visualization services), SQL Express 2014
- .NET Framework 3.5

NOTE: An internet connection is required if the target workstation does not already have .NET 3.5 installed. .NET 3.5 is downloaded from the internet.

For Visualization Services (Server Mode):

- Windows 2000 Server, Windows 2003 Server, Windows 2008 Server

In addition, the Visualization services in server mode requires the following prerequisites:

- SQL Server 2000/SQL 2005 for VS 2.1.0.6. EFW 4.0 VS will install and use SQL Express.
- IIS 4 or later
- .NET Framework 2.0

New Features

Introduction of Unique Device Identifier (UDI)

As of eFilm 4.2, the "About" box now includes a Unique Device Identifier (UDI) number that can be used to identify the product and specific build.

Fixed Issues

The following table lists the issue that has been fixed in this release.

Issue	Description
EFW-1878	Resolved the issue in which versions of eFilm later than 3.4 exhibited slower image scrolling performance.

NOTE: Issue numbers can be used to request additional information from your account representative.

Known Issues

The following table lists the known issues for this release of the eFilm application.

Issue	Description
EFW-103	Split multi-phase fails to function as designed when performing a retrieve and view.
EFW-104	Automatic synchronization fails if the user clicks Auto Series Synchronization before both series have been retrieved in their entirety.
EFW-958	In a dual-monitor configuration that does not use the Windows Classic theme, the display may flicker. If this condition occurs, it is recommended that you set the default theme to Windows Classic instead of the options available under Aero Themes.
EFW-977	The Unshare button in the Cloud Archive tab is not enabled after the study was shared with another Cloud Archive account. To unshare a study, the All Storage Spaces option should be selected. The study filter options can be used to narrow down a search if the list returned from Cloud Archive is truncated and the desired study is not appearing in the study list.
EFW-1072	If "Append to latest key image series by default" and "Enable Generate GSPS objects" are enabled in the Preferences tab of the Edit Properties window, images that are marked and saved as key images are not appended to the most recent key image series.
EFW-1662	eFilm fails to install on Windows 8 Home Edition due to a failure to install .NET Framework 3.5. If you don't have Windows 8 setup disk or if you don't want to install .NET Framework 3.5 from setup disk, navigate to the setup folder of Windows 8 on your hard drive. Click Browse and navigate to the Windows 8 setup folder. Navigate to sources/sxs and then click Install to install .NET Framework 3.5 on your system.
EFW-1673	When upgrading from Windows XP, the watermark level is not retained. It must be manually reset.

NOTE: Issue numbers can be used to request additional information from your account representative.