Application News



GE imagination at work

DOC #1427403

> Exporting images in DICOM® format With Embedded DICOM Viewer

Content

EXPORTING IMAGES IN DICOM FORMAT WITH EMBEDDED DICOM VIEWER		2
	General information	4
	Which devices can be used	4
	Setting up the System	4
	Exporting Images in DICOM format	7
	Running the images on any PC	8

NOTE: This hand out is a summary. For more information please refer to the user manual and/or reference manual.

Exporting images in DICOM format with embedded DICOM Viewer

General information

The possibility to include a DICOM viewer on your export Device is only available on the following systems:

Vivid* S5Software version ≥ BT11Vivid S6Software version ≥ BT11Vivid iSoftware version ≥ BT11Vivid qSoftware version ≥ BT11

Which devices can be used

Either CD/DVD-R or USB Memsticks can be used

Setting up the System

In order to get the DICOM viewer copied on your export device, it needs to be configured once in the beginning.

- 1. Make sure the DICOM Viewer option is installed.
- 2. Press Config.
- 3. Select the **Connectivity** tab.



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4. Under the Dataflow tab, in the "Name" combo-box field, select DICOM Memstick as shown in the figure on the left, below. (When using CD/DVD select the DICOM CD/DVD dataflow)

	Dataflow	
Name	DICOM MEMSTICK	💌 🖂 etant.
Direct search	No Archive Local Archive - Int. HD Remote Archive - Remote HD WorklastLocal Archive - DICOM Server/Int. HD WorklastRemote Archive - DICOM Server/Remote HD DICOM Storage	Direct Store
Available inputi	Dicom stor age VorkästRemote Archive-Remote Storage Local Archive - Int HDD/DCOM Server Remote Archive - Remote HD/D/COM Server Dicom prist Ouery retrieve MOD Archive CD/DVD Archive D/COM MOD D/COM CD/DVD Remote Import/Export Local Archive - Int HD/eVue Mise Export Remote Archive - Remote HD/eVue VorkästLocal Archive - Local HD weresTICK Archive	evices es , USB HD/MemoryStick auts , USB HD/MemoryStick
	DICOM MEMISTICK DICOM CO/DVD read	Check
	Repe	sta: 1 Check

5. Select USB HD/Memory Stick output in the selected devices as shown on the figure on the right, below.

latatiow	Additional Outputs	Tools	Formats	cpip
			Dataf	
Direc	Name DICOM MEMST	юк		E Direct Store
Avato	ble input/ouputs		Prope	Selected devices
				Check Reposts 1 Check

6. Click **Properties**.



The DICOM Media Properties window appears.

Dicom Media proper	ties						
IP-address	(MyComputer) 127.0.0.1						
Name	ame DICOM USB HD/Memstick ation \\127.0.0.1\MEMSTICK						
Location							
Туре	RW Dicom media viewer						
	Image Settings						
🗹 Allow Raw Data 📃 Raw Compr. 💌 Allow Multiframe							
Max Framerate	25 Compression Jpeg Quality % 95						
Dicom SR Settings							
Allow SR	Use older SR version						
☐ Allow SR Private Data							
Signed Do	oppler Velocities						
	OK						

Place a checkmark next to **DICOM media viewer** in order to include the DICOM viewer in the output media.

Press **Ok**, to store this new setting. Go back to the Archive.

Exporting Images in DICOM format

Complete Patient examinations can be exported to a USB Memory Stick or CD/DVD with the embedded DICOM viewer on the media.

1. While in the Archive Screen, press Export

2. Select the DICOM MemStick or DICOM CD/DVD in the 'To' menu



- 3. Press OK
- 4. Select the required Patient/Patient's\Exam\Exam's you would like to Export

± VIVID E9 TEE	VIVID E9 TEE	VIVID E9 TEE	01/02/2013
≖ Vivid q	TEE	Vivid q TEE	23/04/1939
■ Vivid S6	VS6	Vivis S6	
■ Vivid_i_Demo	Vivid_i_Demo	Vivid_i_Demo	18/12/2012
■ Vivid_Q	Demo	VIVIDDE_2416	
∎Vivid S5 Demo	Demo	VIVIDDE 2009	

5. Press Copy, by using the rotational knob



6. Once the process is completed (following on screen messages and progress bar) press **Done**, using the soft menu push button



7. Eject the USB Memory Stick or CD/DVD by using the Eject key on the KB or by pressing Alt+E

Running the images on any PC

Following this process a simple, self-contained DICOM viewer is burnt to the removable media, along with the selected exams.

It allows reviewing the exported Patient examinations on a PC without the need of any software installation.

Insert the USB memstick or CD/DVD into a PC.

Note

Minimal requirements for the Viewing PC are Windows® 2000 or higher (Windows XP Pro, Windows Vista (32bit), Windows 7 (32/64 bit))

In case the software doesn't start automatically, open the content list of the device and doubleclick on EZ-DicomCDViewerGE.exe

The Dicom viewer opens automatically and you can select your patient's examinations to view the images.

First a window opens with the following remarks:

Ez-Dicom CD Viewer	×
Precautions The EzDicom CD Viewer is NOT intended to be used for diagnostic review. Patient images viewed using the EzDicom CD Viewer should not be used as a basis for determining diagnosis. It is the DMC- EZ DICOM Media Creator or Similar Device owner's responsibility to ensure that anyone using the EzDicom CD Viewer reads and fully understands the intended use, product limitations and quick start guide. SST makes no representation that the act of reading the quick start guide makes the reader qualified to operate this device	
Close	

Read the text, and then press **close** to get further on.

Now you will be able to view the stored images.

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