# Application News



## How to save images on a Vivid system for an import in the TomTec Image Arena





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NOTE

This hand out is additional training material. For more information please refer to the user manual and/or reference manual.



## How to store images for the TomTec Image Arena

#### **General information**

If you have a Vivid 7 System and a TomTec Image Arena workstation you can exchange the data for the different 4D analysis modalities (i.e. RV volume). Here are some information's regarding the software that is needed and how to exchange the data

Here are some information's regarding the software that is needed and how to exchange the data properly.

#### What type of system or software

#### Vivid systems

Vivid 7 Dimension: SW version Bt06 or higher EchoPAC PC Dimension: SW version Bt06 or higher EchoPAC SW only: SW version Bt06 or higher, only possible when you can manipulate the 4D images

#### TomTec Image Arena™

TomTec Image-Arena<sup>™</sup> 3.0 4D RV-Function© 1.1 4D LV-Analysis© 2.5 4D Cardio-View© CAP 1.5 4D MV-Assessment© CAP 1.2



#### Which media to use

There are several options **CD-R** - needs to be formatted before **DVD-R** (no other format like DVD +R!!) - needs to be formatted before **USB memory stick Network shared folder** – please contact the local GE sales rep for more information

#### Select the image

Select the patient in the archive. Open the patient and select the right examination. Open the loop that needs to be stored so it runs on the screen.



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#### The save as function

#### On Vivid 7

Press the **menu** button, located just above the caliper.

On EchoPAC

Move the mouse curser on the image and press the **right** mouse key.

On the systems a list will appear. Select the **Save as** function from the list.



#### Select the media

A new window opens where two selections have to be done.

First the media needs to be defined where the images will be stored. Click on the arrow on the right side to open the list, than select your media.





#### Select the format

The last step is to define the type of format in which the images will be stored. Click on the arrow on the right side to open the list for the different type of formats. To work with the 4D images on the Image arena later on, you <u>must</u> select the **VolDicom** from the list.

File name	Image04	
Store	🕥 Image only 🔿 Secondary capture 🔿 Quad View	
Compression Quality	Jpeg         •           95         •	Save
Save as type	RawDicom (*.dcm)	Cancel
	RawDicom (*.dcm) Dicom (*.dcm) Avi (*.avi) Mpeg (*.wmv) Jpeg (*.jpg) HDF (*.h5)	
	VolDicom (*.dcm)	

#### Save

After selecting the VolDicom format press the **Save** button to store the image to the selected media.

#### Store the next images

Do the same processing with all images that needs to be transferred.



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#### Eject the media

The media needs to be ejected in the proper way not to loose any data. Not required if you are using a shared folder in the network.

#### On Vivid 7

Press the **Eject (F3)** button.

#### On EchoPAC

Press the **Alt** und the **E** key together at the same time.

Select the right media from the list and it will be ejected properly.



Depending on the amount of data the system will take some time to finalize the process. Be aware that the burning process for CD /DVD will start at this time.

Follow the instructions on the screen.

When this information comes up: The media can be safely removed from the system.

- Remove the CD / DVD from the drive that should be already open
- Remove the USB memory stick



## How to import the Images into Image-Arena™

#### Insert the media

Insert the CD / DVD or the USB memory to the workstation.

#### The import page

Open the Image-Arena™ and go to the **Import**-Tab.

1?						
Studies List	Import Query/Retriev	e				
→ Quick Filt Study Stat → Patient W	ter e <u>all v</u> /indow	🔲 Today's Studies	Reset Fil	ter	Search	
Patient ID	) Last Name $\nabla$	First Name	Date of Birth	Gender	Study State	
			all 🔻	all 🔽	all	
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Then click on the **Browse** button.

Studies List Import Query/Retrieve									
E7	а –	Browse	Update List						
Patient ID	Name	Date of Birth	Study Date	Study Size					



#### Select the DICOM DIR

An explore-window will open on the screen. Select the CD /DVD or the USB memory stick from the list. Click on **Open** to see the content of the media.

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System (C: ) Dota (D: ) J.DVD-RW Des Javages (F: )	) NG (21)				
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	e name	e ganz	egane	egane   Importille (**)	egane   mportile (**)

Select the **DICOMDIR** and click on **OPEN**.





#### Import the patient

A list with the exported patients will appear in the Image-Arena™ Import window.

Select the patient/s of interest and click on **Import**.

Highlight one patient by select this patient with mouse click.

Several patients can be marked like this by holding the STRG or CRTL button during the selection.

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F.DKOVD	e.			Direc	Spann Sta		
Patient C	tume 40 Motor Date	Data of Birth Sharty De 11/55/05 11/25/005	n Shara Siza Una Una			Study Description	

After the import is completed, the imported patients appear in the **Studies List** 

Studies List	mport Query/Retrieve						Preview Bookmark
→ Quick Filter Study State → Patient Win	ali 💌 🗖 Today's Studi	Reset Filter	Search				D 1
Patient ID	Last Name	First Name	Date of Birth	Gender	Study State	Finalizer	
			all 🗖	all F	all 🛛	🗑 all 🛛	
4D_GE	RV_4D_GE	Single Ventricle ASD		0	0		Ĩ

The images can be analyzed now in the workstation as know.

