Ultrasound Formats

Manufacturer	Format	Notes
Agilent*	DSR	(Digital Storage and Retrieval), a TIFF based format with added private tags
ATL*	DEFF	(Data Exchange File Format), a TIFF based format with added private tags
HP*	DSR	
Philips*	DSR	

3D Ultrasound formats

Manufacturer	Format	Notes
GE*	KretzFile ".vol" files, or ".v00" to ".vZZ"	This format support 3D volumes. Images can be in Spherical, Cylindrical or Cartesian system. The data can also be compressed using Wavelet compression. Used on some **Voluson** models. **Note:** TomoVision only support the uncompressed version of this format.
	DICOM	"**KRETZ_US**" private tag: The Kretzfile data is stored "as is" in these private tags. Used on some **Voluson** models. **Note:** TomoVision only support the uncompressed version of this format.
		"**GEMS_Ultrasound_MovieGroup**" private tag: The 3D/4D data is stored in these private tags. Used on some **Logiq** and **Vivid** models.
		"**GEMS_Ultrasound_VolumeGroup**" private tag: The 3D/4D data is stored in these private tags. Used on some **Vivid** models. **Note:** I only saw Cartesian examples of this. If you have a spherical dataset, please let me know!
Hitachi*	DICOM	This format support 3D/4D volumes, in an hybrid Cartesian/cylindrical system, using "SOP US Multiframe Image" to store Cartesian 2D images arrange in a 3D fan. The 3D information is stored in "**ALOKA…**" private tags. Used on some **Alpha** models. **Note:** I only saw cylindrical datasets from Hitachi/Aloka. If you have anything else, please let me know!
Medison*	Kartesian ".v00" to ".vFF" files	A very simple 3D format. The dataset can be Cartesian system or not. Used on some **Combison** models. **Note:** I only saw Cartesian examples of this. If you have a non-Cartesian dataset, please let me know!
	MVL ".mvl" files	(Medison 3D Volume), This format support 3D volumes. Images can be in Spherical, Cylindrical or Cartesian system.
Philips*	DICOM	"**Philips3D**" private tag: The 3D data is stored in these private tags. Used in **QLAB** exports. **Note:** TomoVision only support the uncompressed version of this format.
		"**Philip US Imaging DD**" private tag: The 3D data can be either stored in Cartesain format in the pixel data tag using the "SOP US Multiframe Image", or stored in spherical directly in the private tags using the "SOP US Image". Used on some **iU** and **iE** models. **Note:** I am still working on the spherical version, more news soon...
		"**Philip US Imaging 60**" private tag: The 3D data can be either stored in Cartesain format in the pixel data tag using the "SOP US Multiframe Image", or stored (possibly compressed) directly in the private tags using the "SOP US Image". **Note:** TomoVision only support the uncompressed version of this format.
Samsung*	MVL ".mvl" files	Samsung use 2 format with the same ".mvl" file extension. One is the Medison MVL format.
	MVL vers:221 ".mvl" files	The other ".mvl" file format, version 221, has nothing in commun with the previous MVL format exept for the file extension. It support 3D/4D datasets in spherical or Cartesian systems. Used in **Accuvix V** and other models.
Siemens	SPF	This format support 3D volumes (in Cartesian system?). **Note:** I only saw one sample of this format, and it was in Cartesian. If you have data in this format, please let me know!
Toshiba*	DICOM	"**PMTF INFORMATION DATA**" private tag: The 3D data is stored in these private tags. Used on some **Aplio** models. **Note:** I need more sample of this format to finish the reader. If you have data in this format, please let me know!
		"**TOSHIBA MDW NON_IMAGE**" private tag: The 3D data seem to be stored in compressed format in these private tags. Used on some **Xario** models. **Note:** At this time TomoVision is unable to read these files
Zonare*	DICOM	The 3D data is stored using the "SOP Raw Data Storage".