

GE HiSpeed QXi CT Series

Revision History

Date / Version	Author	Comments
12/27/2012	Steve Moore	HiSpeed QX/i 1.0 2342450-100 Rev. 0

Introduction

This document lists private elements for GE HiSpeed QXi CT systems. A separate table is maintained for each collection of private elements indexed by the Private Creator ID. Each table contains a column for each of the software versions listed below. The intersection of a row (private element) and a column (software version) is a cell with a symbol indicating if that private element is produced by that software version.

*: Element is listed in the document

X1: Element is listed with a note: No longer supported

If the cell is empty, the DICOM conformance statement for that software version does not mention that private element.

All data were determined by reading DICOM conformance statements.

Scanner/Software Versions

Link Name / GE website	Model	SW Version	Meta SW Version	Document	File Name
HiSpeed QX/i 1.0 2342450-100 Rev. 0	HiSpeed QX/i	1.0	HiSpeed QX/i 1.0	2342450-100 Rev. 0	

GEMS_IDEN_01

				HiSpeed QX/i 1.0
		VR	VM	
GEHC Private Creator ID	0x00090010	LO	1	
Full fidelity	0x00091001	LO	1	*
Suite id	0x00091002	SH	1	*
Product Id	0x00091004	SH	1	*
Image actual date	0x00091027	SL	1	*
Equipment UID	0x000910e3	UI	1	*

GEMS_ACQU_01

				HiSpeed QX/i 1.0
		VR	VM	
GEHC Private Creator ID	0x00190010	LO	1	*
Number of cells I in Detector	0x00191003	SL	1	*
Cell number at Theta	0x00191003	DS	1	*
Cell spacing	0x00191004	DS	1	*
Horiz. Frame of ref.	0x0019100f	DS	1	*
Series Contrast	0x00191011	SS	1	*
First scan ras	0x00191018	LO	1	*
Last scan ras	0x0019101a	LO	1	*
Table speed	0x00191023	DS	1	*
Mid scan time	0x00191024	DS	1	*
Mid scan flag	0x00191025	SS	1	*
Degrees of azimuth	0x00191026	SL	1	*
Gantry period	0x00191027	DS	1	*
Number of triggers	0x0019102c	SL	1	*
Angle of first view	0x0019102e	DS	1	*
Trigger frequency	0x0019102f	DS	1	*

Scan FOV type	0x00191039	SS	1	*
Segment number	0x00191042	SS	1	*
Total segments requested	0x00191043	SS	1	*
View compression factor	0x00191047	SS	1	*
Recon post proc. Flag	0x00191052	SS	1	*
Dependent on #views processed	0x0019106a	SS	1	*

GEMS_REL_01

				HiSpeed QX/i 1.0
GEHC Private Creator ID	0x00210010	LO	1	*
Series from which Prescribed	0x00211003	SS	1	*
Series Prescribed From	0x00211035	SS	1	*
Image Prescribed From	0x00211036	SS	1	*
Biopsy position	0x00211091	SS	1	*
Biopsy T location	0x00211092	FL	1	*
Biopsy ref location	0x00211093	FL	1	*

GEMS_STDY_01

				HiSpeed QX/i 1.0
GEHC Private Creator ID	0x00230010	LO	1	*
Start time(secs) in first axial	0x00231070	FD	1	*

GEMS_IMAG_01

				HiSpeed QX/i 1.0
GEHC Private Creator ID	0x00270010	LO	1	*
Scout Type	0x00271010	SS	1	*
Vma mamp	0x0027101c	SL	1	*
Vma mod	0x0027101e	SL	1	*
Vma clip	0x0027101f	SL	1	*
Smart scan ON/OFF flag	0x00271020	SS	1	*
Plane Type	0x00271035	SS	1	*
Center R coord of plane image	0x00271042	FL	1	*
Center A coord of plane image	0x00271043	FL	1	*
Center S coord of plane image	0x00271044	FL	1	*
Normal R coord	0x00271045	FL	1	*
Normal A coord	0x00271046	FL	1	*
Normal S coord	0x00271047	FL	1	*
Table start location	0x00271050	FL	1	*
Table end location	0x00271051	FL	1	*

GEMS_PARM_01

				HiSpeed QX/i 1.0
GEHC Private Creator ID	0x00430010	LO	1	*
Window value	0x00431010	US	1	*
X-ray chain	0x00431012	SS	3	*
Number of overranges	0x00431016	SS	5	*
Delta start time	0x0043101e	DS	1	*
Max overranges in a view	0x0043101f	SL	1	*
Corrected after glow terms	0x00431021	SS	1	*
Reference channels	0x00431025	SS	6	*
No views ref chans blocked	0x00431026	US	6	*
Scan pitch ratio	0x00431027	SH	1	*
Unique image iden	0x00431028	OB	1	*
Private Scan Options	0x0043102b	SS	4	*
RA cord of target recon center	0x00431031	DS	2	*
Trigger on position	0x00431040	FL	4	*
Degree of rotation	0x00431041	FL	4	*

DAS trigger source	0x00431042	SL	4	*
DAS fpa gain	0x00431043	SL	1	*
DAS output source	0x00431044	SL	1	*
DAS ad input	0x00431045	SL	1	*
DAS cal mode	0x00431046	SL	1	*
Start scan to X-ray on delay	0x0043104d	FL	1	*
Duration of X-ray on	0x0043104e	FL	1	*

GEMS_HELIOS_01

				HiSpeed QX/i 1.0
GEHC Private Creator ID	0x00450010	LO	1	*
Number of Macro Rows in Detector	0x00451001	SS	1	*
Macro width at ISO Center	0x00451002	FL	1	*
DAS type	0x00451003	SS	1	*
DAS gain	0x00451004	SS	1	*
DAS Temperature	0x00451005	SS	1	*
Table Direction	0x00451006	CS	1	*
Z smoothing Factor	0x00451007	FL	1	*
View Weighting Mode	0x00451008	SS	1	*
Sigma Row number	0x00451009	SS	1	*
Minimum DAS value	0x0045100a	FL	1	*
Maximum Offset Value	0x0045100b	FL	1	*
Number of Views shifted	0x0045100c	SS	1	*
Z tracking Flag	0x0045100d	SS	1	*
Mean Z error	0x0045100e	FL	1	*
Z tracking Error	0x0045100f	FL	1	*

Start View 2A	0x00451010	SS	1	*
Number of Views 2A	0x00451011	SS	1	*
Start View 1A	0x00451012	SS	1	*
Sigma Mode	0x00451013	SS	1	*
Number of Views 1A	0x00451014	SS	1	*
Start View 2B	0x00451015	SS	1	*
Number Views 2B	0x00451016	SS	1	*
Start View 1B	0x00451017	SS	1	*
Number of Views 1B	0x00451018	SS	1	*
Itebone Flag	0x00451021	SS	1	*
Perisaltic Flag	0x00451022	SS	1	*
CardiacReconAlgorithm	0x00451030	CS	1	*
AvgHeartRateForImage	0x00451031	CS	1	*
TemporalResolution	0x00451032	FL	1	*
PctRpeakDelay	0x00451033	CS	1	*

GEMS_CT_CARDIAC_001

				CT590 RT - Software Release
GEHC Private Creator ID	0x00490010	LO	1	*
CT Cardiac Sequence	0x00491001	SQ	1	*
> HeartRateAtConfirm	0x00491002	CS	1	*
> AvgHeartRatePriorToConfirm	0x00491003	FL	1	*
> MinHeartRatePriorToConfirm	0x00491004	CS	1	*
> Max Heart Rate Prior To Confirm	0x00491005	CS	1	*
> StdDevHeartRate PriorToConfirm	0x00491006	FL	1	*
> Num Heart Rate Samples Prior To Confirm	0x00491007	US	1	*
> Auto Heart Rate Detect Predict	0x00491008	CS	1	*
> System Optimized Heart Rate	0x00491009	CS	1	*
> EkgMonitorType	0x0049100a	ST	1	*
> NumReconSectors	0x0049100b	CS	1	*
RpeakTimeStamps	0x0049100c	FL	1-256	*

GEHC_CT_ADVAPP_001

					HiSpeed QX/i 1.0
GEHC Private Creator ID	0x00510010	LO	1	*	
CtVESSequence	0x00511001	SQ	1	*	
➤ VESaccession Number	0x00080050	SH	1	*	
➤ VESprocedureCode Sequence	0x00080132	SQ	1	*	
➤ > VESactionItem Code Value	0x00080100	SH	1	*	
➤ > VESactionItem Code Scheme	0x00080102	SH	1	*	
➤ > VESactionItem Code Meaning	0x00080104	SH	1	*	
➤ VESreference Study Sequence	0x00081110	SQ	1	*	
➤ > VESRefStudy Sequence SopClass Uid	0x00081150	UI	1	*	
➤ > VESREfStudy Sequence Sop Instance Uid	0x00081155	UI	1	*	

➤ VESstudyInstanceUID	0x0020000D	UI	1	*
➤ VESrequested Procedure Description	0x00321060	LO	1	*
➤ VESrequested Proceure ID	0x00401001	SH	1	*