

DATA FORMAT

ADIAG2

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1. Definition of TAG and fields in CSV file


Table 1 Tag List

Tag Name	Explanation of the tag	Field following a tag							
		Number of appearance	Number of fields	Name of fields	Letter type	Character type	The maximum number of the characters	Detail	Unit
[MAC_V]	Unit Software Version	Version made by this file							
		Example:UD-8000							
		-	9	T-Engine CPU software version	String	ASCII	6	Character string of T-Engine CPU software version Example: TEC000	
				T-Engine FPGA version	String	ASCII	6	Character string of T-Engine FPGA version Example: TEF000	
				Microblaze software version	String	ASCII	6	Character string of Microblaze software version Example: MBC000	
				Digital FPGA version1	String	ASCII	6	Character string of FPGA1 version Example: D1F0000	
				Digital FPGA version2	String	ASCII	6	Character string of FPGA2 version Example: D1F0000	
				DSP software version	String	ASCII	6	Character string of DSP software version Example: MBC000	
				Analog CPU software version	String	ASCII	6	Character string of Analog CPU software version Example: ANC000	
				Bluetooth CPU version	String	ASCII	6	Character string of Bluetooth CPU version Example: BTC000	
				Touch panel software version	String	ASCII	6	Character string of Touch panel software version Example: TPC000	
		Example:AL-4000 IOL Calculation Unit							
		-	3	CPU software version	String	ASCII	6	Character string of CPU software version Example: LNC000	
				FPGA version	String	ASCII	6	Character string of FPGA version Example: EXF000	

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				Touch panel software version	String	ASCII	6	Character string of Touch panel software version Example: TPC000	
		Example:PCKit							
		-	1	Software version	String	ASCII	6	Character string of software version Example: PCK000	
[MSR_MAC_V]	Software Version	Example:AL-4000 Measurement Unit							
		-	7	Model name	String	ASCII	12	Model name of measurement:AL-4000_MSR Following is version of that model.	
				CPU software version	String	ASCII	6	Character string of CPU software version Example: DIC000	
				Axial FPGA version	String	ASCII	6	Character string of Axial FPGA version Example: APF000	
				Axial Table version	String	ASCII	6	Character string of Axial Table version Example: AXT000	
				Linear Table version	String	ASCII	6	Character string of Linear Table version Example: LNT000	
				Log Table version	String	ASCII	6	Character string of Linear Table version Example: LGT000	
				S Table version	String	ASCII	6	Character string of S Table version Example: SGT000	
[EDIT_MAC_V]	Software Version	Example:UD-8000							
		-	10	Model name	String	ASCII	12	Model name of last edit :UD-8000 Following is version of that model.	
				T-Engine CPU software version	String	ASCII	6	Character string of T-Engine CPU software version Example: TEC000	
				T-Engine FPGA version	String	ASCII	6	Character string of T-Engine FPGA version Example: TEF000	
				Microblaze software version	String	ASCII	6	Character string of Microblaze software version Example: TEF000	
				Digital FPGA version1	String	ASCII	6	Character string of Digital FPGA version1 Example: D1F000	
				Digital FPGA version2	String	ASCII	6	Character string of Digital FPGA version1 Example: D2F000	
				DSP software version	String	ASCII	6	Character string of DSP software version Example: D2F000	
				Analog CPU software version	String	ASCII	6	Character string of Analog CPU software version Example: ANC000	

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				Bluetooth CPU version	String	ASCII	6	Character string of Bluetooth CPU version Example: BTC000	
				Touch panel software version	String	ASCII	6	Character string of Touch panel software version Example: TPC000	
				Example: Calculation Unit					
				-	4	Model name	String	ASCII	12
						CPU software version	String	ASCII	6
						FPGA version	String	ASCII	6
						Touch panel software version	String	ASCII	6
[RL]	R/L eye to be measured	-	1	Right or Left	String	ASCII	5	One of the character strings of [Right] or [Left]	—
[ANA_TYP]	Analysis method	-	1	Analysis method	String	ASCII	10	One of the character strings of [Line] or [Point].	-
[PRB_TYP]	Probe Type	-	1	Probe Type	String	ASCII	10	Character string of "A-Diag", "Axial"	—
[PRB_DRT]	Probe Direction	-	3	Probe applying position	Num	ASCII	2	One of the character strings between [0] to [8] 	—
				Beam direction 1	Num	ASCII	2	One of the character strings between [1] to [12]	—
				Beam direction 2	String	ASCII	2	One of the character strings of [AX], [P], [PE], [EP], [E], [EA], [O], [CB]	—
[AMP]	Amplifier	-	1	Amplifier type	String	ASCII	6	One of the character strings of [LOG], [LINEAR] or [S]	—
[GAIN]	Value of gain	-	1	Value of gain	Num	ASCII	3	Value of gain, Unsigned integer	dB
[L_ANALYSIS]	Line analysis	-	4	Position of line	Num	ASCII	3	Unsigned integer Position (height) of line	dot
				Reference data	Num	ASCII	2	Unsigned integer dB value of reference data	dB
				Object data	Num	ASCII	2	Unsigned integer dB value of object data	dB
				ΔdB	Num	ASCII	2	Unsigned integer Difference between reference data and object data	dB
[P_ANALYSIS]	Point analysis	-	9	X-coordinate of P1	Num	ASCII	3	Unsigned integer Coordinate of image	dot
				dB value of P1	Num	ASCII	2	Unsigned decimal	dB
				Y-coordinate of P1	Num	ASCII	3	Unsigned integer Coordinate of image	dot

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				mm value of P1	Num	ASCII	4	Unsigned decimal	mm
				X-coordinate of P2	Num	ASCII	3	Unsigned integer Coordinate of image	dot
				dB value of P2	Num	ASCII	2	Unsigned decimal	dB
				Y-coordinate of P2	Num	ASCII	3	Unsigned integer Coordinate of image	dot
				mm value of P2	Num	ASCII	4	Unsigned decimal	mm
				ΔdB	Num	ASCII	2	Unsigned decimal Difference between P1 dB and P2 dB	dB
[DAT_PIT]	Distance of each raw data	-	1	Distance of each raw data	Num	ASCII	5	Distance of each raw data, unsigned integer(*.***)	mm
[COMMENT]	Comment	-	1	Comment	String	ASCII	36	Comment	—
[FILES_N]	Attached file number	-	1	File number	Num	-	3	Unsigned integer UD-8000:thumbnail on[2], thumbnail off[2] AL-4000 calculation unit:[1]	-
[FILE]	File information	MAX 32	2	File name	String	-	256 (one-byte characters)	Attached file name *****.JPG Refer to [EXAM_A-DIAG2.develop.doc]	—
[CL_ID]	Clinic ID	-	1	Clinic ID	String	ASCII	64	Character string of all ASCII code	
[CL_ADRS]	Clinic address	-	1	Clinic address	String	ASCII	64	Character string of all ASCII code	
[EX_INFO]	Technical Information	-	1	Technical Information	String	ASCII	128	Character string of all ASCII code	

Note: [FILES_N] and [FILE] is omitted when the attached file is not transmit.

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2. Sample (The portion following a common header)

2-1. Right eye

Sample	Explanation
[FM_IF], ADIAG2, 1-00-08	Version of A-Diag2 format is 1-00-08
[MAC_V], TEC000, TEF000, MBC000, D1F000, D2F000, DSP000, ANC000, BTC000, TPC000	T-Engine CPU software version: TEC000, T-Engine FPGA version: TEF000, Microblazesoftware version: MBC000, DigitalFPGA version1: D1F000, Digital FPGA version2: D2F000, DSP software version: DSP000, Analog CPU software version: ANC000, Bluetooth CPU version: BTC000, Touch panel software version: TPC00
[MSR_MAC_V], AL-4000_MSR, DIC000, AXF000, PCF000, LNT000, LGT000, SGT000	Measurement model: AL-4000, CPUsoftware version: DIC000, Axial FPGA version: APF000, Axial Tableversion: AXT000, Linear Table version: LNT000, Log Table version: LGT000, S Table version: SGT000
[EDIT_MAC_V], UD-8000, TEC000, TEF000, MBC000, D1F000, D2F000, DSP000, ANC000, BTC000, TPC000	Latest edit model: UD-8000, T-Engine CPU software version: TEC000, T-Engine FPGA version: TEF000, Microblazesoftware version: MBC000, Digital FPGA version1: D1F000, Digital FPGA version2: D2F000, DSP software version: DSP000, Analog CPU software version: ANC000, Bluetooth CPU version: BTC000, Touch panel software version: TPC00
[RL], Right	Right eye
[ANA_TYP], Line	Analysis method: Line
[PRB_TYP], A-Diag	Probe is for A-Diag
[PRB_DRT], 1, 8, AX	Probe applying position= 1, Beam direction 1= 8, Beam direction 2= AX
[AMP], LOG	Amplifier type = LOG
[GAIN], 35	gain = 35 dB
[L_ANALYSIS], 127, 40, 60, 20	Position of gain: 127, Reference data: 40dB, Object data: 60dB, ΔdB: 20dB
[P_ANALYSIS], , , , , , , ,	Point analysis: none
[DAT_PIT], 0.100	distance of each raw data = 0.100mm
[COMMENT],	Comment: none
[CL_ID], TOMEY CLINIC	Clinic ID or Clinic name
[CL_ADRS], NAGOYA AICHI	Clinic address
[EX_INFO], Frequency: 10MHz/Measuring fault: 0.2mm/Resolution: 0.6mm/Time distance: 0.1s/Running time: 0.13us	Technical information
[FILES_N], 1	Attached file: 1
[FILE], 2012-12-03_15-19-40_861.UD-8000.1.JPG	Attached file name