

DATA FORMAT

USPACHY

Table of Contents:

1. Definition of TAG and fields in CSV file	2
2. <i>Sample(The portion following a common header).....</i>	7

DATA FORMAT : Examination data part USPACHY (version : 1-00-13)

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	Maximum number of the characters	Detail	Unit
[MAC_v]	Software Version	Version maked 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	
				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	
		Example OA-2000							

DATA FORMAT : Examination data part USPACHY (version : 1-00-13)

		-	1	Software version	String	ASCII	6	Character string of software version of OA-2000 Example: OAC000 (000 is software version of OA-2000)	
[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	
				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	Model name of last edit :AL-4000_CAL Following is version of that model.	
				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	

DATA FORMAT : Examination data part USPACHY (version : 1-00-13)

				Touch panel software version	String	ASCII	6	Character string of Touch panel software version Example: TPC000	
		Example OA-2000							
		-	2	Model Name	String	ASCII	12	Model name of last edit :OA-2000 Following is version of that model.	
				Software version	String	ASCII	6	Character string of software release version Example: 000	
[VEL_R]	Ultrasound velocity (Right eye)	-	1	Velocity of cornea	Num	ASCII	4	Unsigned integer Corneal velocity	m/s
[MEA_MT_R]	Measuring method (Right eye)	-	3	Measuring method	String	ASCII	9	One of the character strings of [Auto]or[Manual]	
				Information of measurement point	String	ASCII	6	One of the character strings of [Cct]or[Entire]	-
				Data type	String	ASCII	7	One of the character strings of [Latest]、[Minimum]or[Average]	-
[BIAS_R]	Bias (Right eye)	-	1	Bias	String	ASCII	5	Signed integer. The blank data means that there is no data. "%" is applied to the end at percent. "M" is applied to the end at μ m	
[THKn_R] n=0~9	Information of measurement point	-	4	Measurement value	Num	ASCII	4	Unsigned integer Measurement data is actual.	um
				Radius	Num	ASCII	4	Unsigned decimal. No data is blank. 0 is CCT.	mm
				angle	Num	ASCII	3	Unsigned integer	°
				S or I	String	ASCII	1	S is S, I is I	-
[AVG_SD_R]	Average and standard deviation	-	2	Average	Num	ASCII	4	Unsigned integer. Only a single mode.	um
				Standard deviation	Num	ASCII	5	Signed decimal. Only a single mode.	um
[TONO_ADJ_R]	Correction of intraocular pressure (Right eye)	Comply with 「TONO ADJUST FORM3」 of DATA FORMAT「TONO ADJUST」							
[TONO_ADJ_R]	Correction of intraocular pressure (Right eye)	-	9	Name of correction type	String	ASCII	16	Character strings of correction calculation type name. (Alphanumeric character and '/'、'.'、','、'*'、'-'、'+'、'¥'、'!'、'#'、'\$'、'%')	
				Coefficient 1	Num	ASCII	5	Unsigned and signed number	
				Coefficient 2	Num	ASCII	5	Unsigned and signed number	
				Coefficient 3	Num	ASCII	5	Unsigned and signed number	
				Corneal thickness	Num	ASCII	4	Unsigned integer. Cornea thickness used to calculate. The blank is the no data.	um
				Pressure unit	String	ASCII	5	One of the character strings of [mmHg]or[hPa]	—
				Intraocular pressure	String	ASCII	5	Unsigned number "H" is applied to the end at mmHg. "P" is applied to the end at Pa	mmHg 、hPa
Corrected intraocular pressure	String	ASCII	5	Unsigned number "H" is applied to the end at mmHg. "P" is applied to the end at Pa	mmHg 、hPa				

DATA FORMAT : Examination data part USPACHY (version : 1-00-13)

				Correction value	String	ASCII	6	Signed number "H" is applied to the end at mmHg. "P" is applied to the end at Pa	mmHg 、hPa
[VEL_L]	Ultrasound velocity (Left eye)	－	1	Corneal velocity	Num	ASCII	4	Unsigned integer Corneal velocity	m/s
[MEA_MT_L]	Measuring method (Left eye)	－	3	Measuring method	String	ASCII	9	One of the character strings of [Auto]or[Manual]	
				Information of measurement point	String	ASCII	6	One of the character strings of [Cct]or[Entire]	－
				Data type	String	ASCII	7	One of the character strings of [Latest]、[Minimum]or[Average]	－
[BIAS_L]	Bias (Left eye)	－	1	Bias	String	ASCII	5	Signed integer. The blank data means that there is no data. "%" is applied to the end at percent. "M" is applied to the end at μ m	
[THKn_L] n=0～9	Information of measurement point	－	4	Measurement value	Num	ASCII	4	Unsigned integer Measurement data is actual.	um
				Radius	Num	ASCII	4	Unsigned decimal. No data is blank. 0 is CCT.	mm
				angle	Num	ASCII	3	Unsigned integer	°
				S or I	String	ASCII	1	S is S, I is I	－
[AVG_SD_L]	Average and standard deviation	－	2	Average	Num	ASCII	4	Unsigned integer. Only a single mode.	um
				Standard deviation	Num	ASCII	5	Signed decimal. Only a single mode.	um
[TONO_ADJ_L]	Correction of intraocular pressure (Left eye)	Comply with 「TONO ADJUST FORM3」 of DATA FORMAT「TONO ADJUST」							
[FILES_N]	Attached file number	-	2	File number	Num	-	3	Unsigned integer UD-8000:thumbnail on[2]、thumbnail off[2] AL-4000 calculation unit:[1] * 2 OA-2000 Capture image on (2) Capture image off (1) * 2	
				presence or absence of encryption	String	ASCII		"Blank" : encrypted "no encryption": not encrypted In some cases, the column is not attached	
[FILE] *1	File information *1	MAX 3	3	File name	String	ASCII	256 (one-byte characters)	Attached file name Waveform *****.JPG Image Including of Measurement information *****.jpg Capture image SCREENSHOT.JPG	－
				File fuction	String	ASCII	5	In the case of capture image only , "COPY" is attached. In some cases, the column is not attached	
				Functional classification code	String	ASCII	1	In the case of capture image only , Both eyes (R/L). In some cases, the column is not attached	

DATA FORMAT : Examination data part USPACHY (version : 1-00-13)

[FILE] *2	File information	MAX 3	3	Func	String	ASCII	15	In the case of Wave form, Character string (*****.PCE) In the case of Capture image, SCREENSHOT.JPG Refer to [EXAM_USPACHY.develop.doc]	
				File fucntion	String	ASCII	5	In the case of capture image only , "COPY" is attached. In some cases, the column is not attached	
				Functional classification code	String	ASCII	1	In the case of capture image only , Both eyes (R/L). In some cases, the column is not attached	
[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	

*1 When the file which T-link/Data Transfer received from product is outputted. *2 When data is directly outputted from products

Note: “_R” and “_L” in the tag name mean “Right eye data” and “Left eye data” each other.

Result of calculation is contained records of the number of result caluculated.

※Remark: Example of name of correction type

Calculating Formula	1	2	3	4	5	6	7	8	9	10	10	11	12	13	14	15	16
Original calculating formula	‘D’	‘E’	‘F’	‘A’	‘U’	‘L’	‘T’										

DATA FORMAT : Examination data part USPACHY (version : 1-00-13)

2. Sample (The portion following a common header)

2-1. Measurement of both eyes

Sample	Explanation
[FM_IF],USPACHY,1-00-13	Version of PACHY format is 1-00-13
[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 : TPC000
[MSR_MAC_V],AL-4000_MSR,DIC000,APF000,AXT000,LNT000,LGT000,SGT000	Measurement model : AL-4000, CPUsoftware version : DIC000, Axial FPGA version : APF000, Axial Table version : AXT000, Linear Table version : LNT000, Log Table version : LGT000, S Table version : SGT000
[EDIT_MAC_V],AL-4000_CAL,LNC000,EXF000,TPC000	Latest edit model : AL-4000 calculation unit, LAN_CPU software version : LNC000, FPGA version : EXF000, Touch panel software version : TPC000
[VEL_R],1640	Corneal ultrasound velocity 1640m/s
[MEA_MT_R], Auto,CCT ,Minimum	Measuring method:Auto, Information of measurement point:CCT, Data type:Minimum
[BIAS_R],70%	Bias:70%
[THK0_R],397,,,	Memory No.1 Measurement value:397um, Radius:none, Angle:none, S/I:none
...	
[THK9_R],399,,,	Memory No.10 Measurement value:399um, Radius:none, Angle:none, S/I:none
[AVG_SD_R],398,0.1	Average 398um,SD 0.1um
[TONO_ADJ_R],,554,0.054, ,561,mmHg,26.0H,25.7H,0.3H	Name of correction type:none, Coefficient 1:554, Coefficient 2:0.054, Coefficient 3:none, Corneal thickness:561um,Unit:mmHg, Intraocular pressure:26.0mmHg, Corrected intraocular pressure :25.7mmHg,Correction value:0.3mmHg
[VEL_L],1640	Corneal ultrasound velocity 1640m/s
[MEA_MT_L], Auto, Entire,Minimum	Measuring method:Auto, Information of measurement point:Entire, Data type:Minimum
[BIAS_L],70%	Bias:70%
[THK0_L],397,0.,I	Memory No.1 Measurement value:397um, Radius:0(CCT), Angle: none, S/I:I
...	
[THK9_L],399,6,147,S	Memory No.10 Measurement value:399um, Radius:6.0mm, Angle: 147° , S/I:S
[AVG_SD_L],398,0.1	Average 398um,SD 0.1um
[TONO_ADJ_L],,554,0.054, ,561,mmHg,26.0H,25.7H,0.3H	Name of correction type:none, Coefficient 1:554, Coefficient 2:0.054, Coefficient 3:none, Corneal thickness:561um,Unit:mmHg, Intraocular pressure:26.0mmHg, Corrected intraocular pressure :25.7mmHg,Correction value:0.3mmHg
[CL_ID],TOMEY CLINIC	Clinic ID or Clinic name
[CL_ADRS],NAGOYA AICHI	Clinic Address

DATA FORMAT : Examination data part USPACHY (version : 1-00-13)

[EX_INFO], Probe:Pachymetry 20MHz/Frequency:20MHz/Measuring fault:0.025mm	Technical information
[FILES_N],20 no encryption	Attached file:20 no encryption
[FILE],2012-12-11_17-54-34_074.AL-4000_CAL.R.1.JPG	Attached file name
....	
[FILE],SCREENSHOT.JPG,COPY,R SCREENSHOT.JPG	Capture image of Right eye