

# DATA FORMAT

## B-AXL

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## DATA FORMAT : Examination data part B-AXL (version:1-02-02)

### 1. Definition of TAG and fields in CSV file

Tag Name	Explanation of the tag	Field following a tag						
		Number of appearance	Number of fields	Name of fields	Character type	The maximum number of the characters	Detail	Unit
[MAC_V]	Unit Software Version	-	6	MCPU software version	ASCII	6	Character string of MCPU software version Example: M.00	
				GCPU software version	ASCII	6	Character string of GCPU software version Example: G.00	
				LCA data version	ASCII	6	Character string of LCA data version Example: 00	
				INT data version	ASCII	6	Character string of INT data version Example: 00	
				POST data version	ASCII	6	Character string of POST data version Example: 00	
				NCPU software version	ASCII	6	Character string of NCPU software version Example: N.00	
[FMT]	Format Type in B-AxL	-	1	Format Name	ASCII	4	[JPEG]	
[RL]	L/R eye to be measured	-	1	Left or Right	ASCII	5	One of the character strings of [Left] or [Right]	
[PRB_TYP]	Probe Type	-	1	Probe Type	ASCII	10	the character strings of [B-Normal]	
[PRB_DRT]	Probe Direction	-	1	Probe Direction	ASCII	1	One of the character strings between [1] to [8] When you have no setup, it is blank	
[SCP]	Scope	-	1	Range of Image	ASCII	6	One of the character strings of [Normal] or [Wide]	
[T_GAIN]	Total Gain	-	2	Value of Total Gain	ASCII	3	Unsigned integer Value of Total Gain in the real time imaging	dB
				After freezing	ASCII	3	Signed integer Value of Total Gain, after freezing	Steps
[CT]	Contrast	-	2	Value of Contrast	ASCII	3	Unsigned integer	dB
				After freezing	ASCII	3	Signed integer	Steps
[N_GAIN]	Near Gain	-	1	Near Gain	ASCII	3	Unsigned integer	dB
[F_GAIN]	Far Gain	-	1	Far Gain	ASCII	3	Unsigned integer	dB
[AMP]	Amplifier	-	1	Amplifier	ASCII	6	One of the character strings of [LINEAR] or [LOG]	—

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[SIZE]	Size of image	-	2	X-Axis	ASCII	4	Unsigned integer The number of pixels of the X-axis of an attachment image file UD1000/6000:460 dot	
				Y-Axis	ASCII	4	Unsigned integer The number of pixels of the Y-axis of an attachment image file UD1000/6000:400dot	
[PITCH]	Pixel pitch	-	2	Pixel pitch of X-Axis	ASCII	5	Unsigned decimal (*.*) Distance with the next pixel in the X-axis	mm
				Pixel pitch of Y-Axis	ASCII	5	Unsigned decimal (*.*) Distance with the next pixel in the X-axis	mm
				Number of Acoustic Line	ASCII	3	Unsigned integer	
				Data Number in one acoustic line.	ASCII	3	Unsigned integer	
[VEC_A]	Line of Vector-A	-	1	Line of Vector-A	ASCII	3	Line number of Vector-A, Unsigned integer	
[PALLET]	Pallet data	-	27	Number of pallet	ASCII	3	Number of pallet table	
[DAT_NU]	Data number	-	3	Start Line	ASCII	3	Unsigned integer	line
				Number of Acoustic Line	ASCII	3	Unsigned integer	line

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				Data Number in one acoustic line.	ASCII	3	Unsigned integer	data
[EYE_TYPE]	Eye type	-	1	Eye type	ASCII	7	One of the character strings of [Normal] , [Dense], [Aphakic] or [Pseudo]	
[VEL]	Ultrasound Velocity	-	4	Biometry Average	ASCII	4	Unsigned integer Biometry average ultrasound velocity (Normal, Dense, Aphakic)	m/s
				ACD	ASCII	4	Unsigned integer Biometry ACD ultrasound velocity (Normal, Dense)	m/s
				LENS	ASCII	4	Unsigned integer IOL ultrasound velocity (Pseudo)	m/s
				Biological	ASCII	4	Unsigned integer Biological ultrasound velocity (Pseudo)	m/s
[IOL_TH]	IOL Thickness	-	1	IOL Thickness	ASCII	4	Unsigned decimal (*.**) IOL Thickness ((Pseudo)	mm
[MSR]	Measurement value	-	3	Axial Length	ASCII	5	Unsigned decimal (**.**)	mm
				ACD	ASCII	5	Unsigned decimal (**.**)	mm
				LENS	ASCII	5	Unsigned decimal (**.**)	mm
[CUR_POS]	Cursor position	-	5	Cornea	ASCII	3	Cursor position of cornea Unsigned integer	—
				LENS front	ASCII	3	Cursor position of LENS front Unsigned integer	—
				LENS rear	ASCII	3	Cursor position of LENS rear Unsigned integer	—
				Retina	ASCII	3	Cursor position of Retina Unsigned integer	—
[COMMENT]	Comment	-	1	Comment	ASCII	36	Comment	
[FILES_N]	Number of the attached files	-	1	Number of the files	ASCII	3	Unsigned integer UD1000/6000:[1]	
[FILE]	Name and attribute of the attached files	MAX 32	2	File name of the attached file	ASCII	256		

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### 2. Sample( The portion following a common header )

Sample	Explanation
[M_IF],UD-BA,1-02-01	Version of B-AxL format for UD is 1-02-01
[MAC_V],M.30 ,G.10 ,0e,00,1a,N.10	MCPU M.30 , GCPU G.10 , LCA 0e, INT 00, POST 1a, NCPU N.10
[FMT],JPEG	JPEG
[RL],Right	Right eye
[PRB_TYP], B-Normal	Probe is for B-Normal
[PRB_DRT], 7	Probe direction = 7
[SCP],Normal	B-Normal
[T_GAIN],35,-5	Total Gain at real time imaging =35dB, Adjustment value after freeze = -5 steps
[CT],40,-6	Contrast Gain at real time imaging =40dB, Adjustment value after freeze = -6 steps
[N_GAIN],20	Near gain =20dB
[F_GAIN],15	Far gain =15dB
[VEC-A],64	Number of Vector-A = 64
[DAT_NU],6,117,460	Start Line = 6, Total Line Number =117, Data Number in one acoustic line =460
[AMP],LINEAR	Amplifier type is LINEAR
[SIZE],460,400	X=460,Y=400
[PITCH],0.075,0.075	X-Axis =0.075mm, Y-Axis =0.075mm
[EYE_TYPE],NORMAL	Eye type =NORMAL
[VEL], 1550,1532,1641,	Vavg =1550m/s, Vacd=1532m/s, Vlns=1641, Vbio=N/A
[IOL_TH],	IOL Thickness = N/A
[MSR],24.52,2.93,3.76	Axial Length =24.52mm, ACD =2.93mm, Lens =3.76mm
[CUR_POS],40,65,105,365	Cornea Cursor=40, Lens front Cursor=65, Lens rear Cursor=105, Retina Cursor=365
[FILES_N],1	Number of attachment file=1
[FILE],UD-IMG.JPG,44331	Attachment File name = UD-IMG.JPG, File size =44331Byte