RS232C Command List for ES-DU61L

2018/4/23
Ver 1.01

Pin Alignment

PC	
Pin	Description
1	DCD
2	RXD
3	TXD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	RI

Projector	
Pin	Description
1	NC
2	RXD
3	TXD
4	NC
5	GND
6	NC
7	RTS
8	CTS
9	NC

RS232C Setting

Baud Rate:	19200 (Default)
Parity Check:	None
Data Bit:	8
Stop Bit:	1
Flow Control:	None

*Baud rate can be changed below value in OSD.
--> 9600, 14400, 19200, 38400, 57600, 115200

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Ver 1.01

OSD Menu				Item	EIKIK Format A (Standard)	EIKI Format B (Expand)			Note
1st level	2nd level	3rd level	4th level		Commands	Commands	Parameter (%1=)	Read Command	
Picture	Display Mode	Bright		1-1		CF_IMAGE_%1	1	CR_IMAGE	
		Presentation					2		
		Movie					3		
		sRGB					4		
		Blending					5		
		DICOM SIM.					6		
		User					7		
	Wall color	White		1-2		CF_WALLCOLOR_%1	1	CR_WALLCOLOR	
		Gray 130					2		
	Brightness			1-3		CF_BRIGHT_%1	0 ~ 100	CR_BRIGHT	Set Bright Value (0 ~ 100)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
	Contrast			1-4		CF_CONT_%1	0 ~ 100	CR_CONT	Set Contrast Value (0 ~ 100)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
	Sharpness			1-5		CF_SHARP_%1	0 ~ 10	CR_SHARP	Set Sharp Value (0 ~ 100)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
	Color			1-6		CF_COLOR_%1	0 ~ 100	CR_COLOR	Set Color Value (0 ~ 100)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
	Tint			1-7		CF_TINT_%1	0 ~ 100	CR_TINT	Set Tint Value (0 ~ 100)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
	Gamma	Video		1-8		CF_GAMMA_%1	1	CR_GAMMA	
		Film					2		
		Bright					3		
		CRT					4		
		DICOM					5		
	White Peaking			1-9		CF_WPEAK_%1	0 ~ 100	CR_WPEAK	Step value size is "10"
							UP		Increase setting value (+10) from current setting
							DN		Decrease setting value (-10) from current setting
	Color Temperature	Warm		1-10		CF_COLTEMP_%1	1	CR_COLTEMP	
		Bright					2		
		Cool					3		
	Color Wheel Speed	2X		1-11		CF_CWSPEED_%1	1	CR_CWSPEED	
		3X					2		
	HSG Adjustment	Red	Hue	1-12-1-1		CF_CM_RH_%1	1~199	CR_CM_RH	Set Red Hue Value (1 ~ 199)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
			Saturation	1-12-1-2		CF_CM_RS_%1	0 ~ 199	CR_CM_RS	Set Red Hue Value (0 ~ 199)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
			Gain	1-12-1-3		CF_CM_RG_%1	1~199	CR_CM_RG	Set Red Gain Value (1 ~ 199)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
		Green	Hue	1-12-2-1		CF_CM_GH_%1	1~199	CR_CM_GH	Set Green Hue Value (1 ~ 199)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
			Saturation	1-12-2-2		CF_CM_GS_%1	0 ~ 199	CR_CM_GS	Set Green Saturant Value (0 ~ 199)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
			Gain	1-12-2-3		CF_CM_GG_%1	1~199	CR_CM_GG	Set Green Gain Value (1 ~ 199)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
		Blue	Hue	1-12-3-1		CF_CM_BH_%1	1~199	CR_CM_BH	Set Blue Hue Value (1 ~ 199)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
			Saturation	1-12-3-2		CF_CM_BS_%1	0 ~ 199	CR_CM_BS	Set Blue Saturant Value (0 ~ 199)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
			Gain	1-12-3-3		CF_CM_BG_%1	1~199	CR_CM_BG	Set Blue Gain Value (1 ~ 199)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
		Cyan	Hue	1-12-4-1		CF_CM_CH_%1	1~199	CR_CM_CH	Set Cyan Hue Value (1 ~ 199)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
			Saturation	1-12-4-2		CF_CM_CS_%1	0 ~ 199	CR_CM_CS	Set Cyan Saturant Value (0 ~ 199)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
			Gain	1-12-4-3		CF_CM_CG_%1	1~199	CR_CM_CG	Set Cyan Gain Value (1 ~ 199)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
		Magenta	Hue	1-12-5-1		CF_CM_MH_%1	1~199	CR_CM_MH	Set Magenta Hue Value (1 ~ 199)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
			Saturation	1-12-5-2		CF_CM_MS_%1	0 ~ 199	CR_CM_MS	Set Magenta Saturant Value (0 ~ 199)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
			Gain	1-12-5-3		CF_CM_MG_%1	1~199	CR_CM_MG	Set Magenta Gain Value (1 ~ 199)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
		Yellow	Hue	1-12-6-1		CF_CM_YH_%1	1~199	CR_CM_YH	Set Yellow Hue Value (1 ~ 199)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
			Saturation	1-12-6-2		CF_CM_YS_%1	0 ~ 199	CR_CM_YS	Set Yellow Saturant Value (0 ~ 199)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
			Gain	1-12-6-3		CF_CM_YG_%1	1~199	CR_CM_YG	Set Yellow Gain Value (1 ~ 199)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
		White Gain	Red	1-12-7-1		CF_CM_WH_%1	1~199	CR_CM_WH	Set White Hue Value (1 ~ 199)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
			Green	1-12-7-2		CF_CM_WS_%1	1~199	CR_CM_WS	Set White Saturant Value (1 ~ 199)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
			Blue	1-12-7-3		CF_CM_WG_%1	1~199	CR_CM_WG	Set White Gain Value (1 ~ 199)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
		Reset to Default		1-12-8		CF_CMFDEFAULT_RST			Reset the value of HSG setting
	Contrast Enhancement	Off		1-13		CF_DYNAMICBLACK_%1	0	CR_DYNAMICBLACK	
		Dynamic Black					1		
		Extreme Black					2		
	Color Space	Auto		1-14		CF_COLORSPACE_%1	1	CR_COLORSPACE	
		RGB (0-255)					2		
		RGB (16-235)					3		
		YUV					4		
	Save to User	Yes/No		1-15		CF_IMAGE_SAVE			
	Aspect Ratio	Auto		2-1	C0F	CF_ASPECT_%1	1	CR_ASPECT	
		4:3					2		
		16:9					3		
		16:10					4		
		Native					5		
	Pixel Phase			2-2		CF_PHASE_%1	0 ~ 100	CR_PHASE	Set Phase Value (0 ~ 100)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
	Pixel Track			2-3		CR_FREQ_%1	0 ~ 100	CR_FREQ	Set Frequency Value (0 ~ 100)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
	Horz Position			2-4		CF_HPOS_%1	0 ~ 100	CR_HPOS	Set Horizontal Position Value (0 ~ 100)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
	Vert Position			2-5		CF_VPOS_%1	0 ~ 100	CR_VPOS	Set Vertical Position Value (0 ~ 100)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
	Digital Horz Zoom			2-6		CF_DZOOM_H_%1	0 ~ 10	CR_DZOOM_H	Set H Digital Zoom Value (0 ~ 10)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
	Digital Vert Zoom			2-7		CF_DZOOM_V_%1	0 ~ 10	CR_DZOOM_V	Set V Digital Zoom Value (0 ~ 10)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
	Digital Horz Shift			2-8		CF_DSHIFT_H_%1	0 ~ 100	CR_DSHIFT_H	Set H Digital Shift Value (0 ~ 100)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting

Screen	Digital Vert Shift			2-9		CF_DSHIFT_V_%1	0 ~ 100	CR_DSHIFT_V	Set V Digital Shift Value (0 ~ 100)
							UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
	Ceiling Mount	Off		2-10		CF_CEIL_%1	0	CR_CEIL	
		On					1		
		Auto					2		
	Rear Projection	Off		2-11		CF_REAR_%1	0	CR_REAR	
		On					1		
	Geometric Correction	H. Keystone		2-12-1		CF_KYSTN_H_%1	0~40	CR_KYSTN_H	Set H Keystone Value (0 ~ 40)
					C90		UP		Increase setting value (+1) from current setting
					C91		DN		Decrease setting value (-1) from current setting
		V. Keystone		2-12-2		CF_KYSTN_V_%1	0~40	CR_KYSTN_V	Set V Keystone Value (0 ~ 40)
					C8E		UP		Increase setting value (+1) from current setting
					C8F		DN		Decrease setting value (-1) from current setting
		4-corner	Top Left Horz Adjust	2-12-3-1		CF_WARP_TLC_X_%1	UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
			Top Left Vert Adjust	2-12-3-2		CF_WARP_TLC_Y_%1	UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
			Top Right Horz Adjust	2-12-3-3		CF_WARP_TRC_X_%1	UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
			Top Right Vert Adjust	2-12-3-4		CF_WARP_TRC_Y_%1	UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
			Bottom Left Horz Adjust	2-12-3-5		CF_WARP_BLC_X_%1	UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
			Bottom Left Vert Adjust	2-12-3-6		CF_WARP_BLC_Y_%1	UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
			Bottom Right Horz Adjust	2-12-3-7		CF_WARP_BRC_X_%1	UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
			Bottom Right Vert Adjust	2-12-3-8		CF_WARP_BRC_Y_%1	UP		Increase setting value (+1) from current setting
							DN		Decrease setting value (-1) from current setting
		Grid Color	GREEN	2-12-4		CF_GRIDCOLOR_%1	1	CR_GRIDCOLOR	
			Purple				2		
		Reset	Yes/No	2-12-5		CF_WARP_RST			Reset the Keystone / 4-Corner value
	PIP-PBP	PIP / PBP Enable	Off	2-13-1		CF_PIPMODE_%1	0	CR_PIPMODE	
			PBP				1		
			PIP				2		
		Main Source	VGA	2-13-2	C05	CF_PIPMAININP_%1	1	CR_PIPMAININP (CR1)	
			HDMI-1		C36		2		
			HDMI-2		C37		3		
			DVI		C38		4		
			HDBaseT		C52		5		
		Sub Source	VGA	2-13-3		CF_PIPSUBINP_%1	1	CR_PIPSUBINP	
			HDMI-1				2		
			HDMI-2				3		
			DVI				4		
			HDBaseT				5		
		Layout	Top Left	2-13-4		CF_PIPPOSITION_%1	1	CR_PIPPOSITION	
			Top Right				2		
			Bottom Left				3		
			Bottom Right				4		
		Size	small	2-13-5		CF_PIPSIZESUB_%1	1	CR_PIPSIZESUB	
			Medium				2		
			Large				3		
		Swap		2-13-6		CF_PIPSWAP			Execute PIP/PBP Swap
	Source key	Change Sources		2-14		CF_AUTOSRC_%1	1	CR_AUTOSRC	
		List all Sources					2		
		Auto Source					3		
	Auto Image	Normal		2-15		CF_AUTOIMG_%1	1	CR_AUTOIMG	
		Wide					2		
	Source Info	Active Source		2-16-1	CR1				
		Signal Format		2-16-2				CR_SIGNFORMAT	
		Aspect Ratio		2-16-3				CR_ASPRATIO	
		Resolution		2-16-4				CR_RESOLUTION	
		Vert Refresh		2-16-5			%1 %2 (%1 = H freq. %2 = V freq.)	CR_REFRESH	
		Horz Refresh		2-16-6					
		Pixel Clock		2-16-7				CR_PIXELCLK	
		Sync Type		2-16-8				CR_SYNCTYPE	
		Color Space		2-16-9				CR_CLRSPACE	
		PIP/PBP (When PIP/PBP active)		2-16-10				CR_PIPMODE	
		<PIP/PBP source lines> (When PIP/PBP active)		2-16-11				CR_PIPSUBINP CR_SUBSIGNFORMAT CR_SUBASPRATIO CR_SUBRESOLUTION CR_SUBREFRESH CR_SUBPIXELCLK CR_SUBSYNCTYPE CR_SUBCLRSPACE	
Settings	Language	English		3-1		CF_LANG_%1	ENG	CR_LANG	
		Simplified Chinese					SCH		
		French					FRA		
		German					DEU		
		Italian					ITA		
		Japanese					JPN		
		Korean					KOR		
		Russian					RUS		
		Spanish					ESP		
		Dutch					NED		
		Portuguese					POR		
		Indonesian					INA		
		Arabic					ARA		
	Menu Location	Left Top		3-2		CF_MENULOCATION_%1	1	CR_MENULOCATION	
		Right Top					2		
		Center					3		
		Left Bottom					4		
		Right Bottom					5		
	Standby Power Mode	0.5W mode		3-3		CF_ECONETWORK_%1	1	CR_ECONETWORK	
		Communication mode					2		
	Test Pattern	None		3-4		CF_TESTPAT_%1	0	CR_TESTPAT	
		Grid					1		
		White					2		
		Black					3		
		Checkerboard					4		
		Color Bars					5		
	Direct Power On	Off		3-5	C29	CF_AUTOPOWERON	0	CR_AUTOPOWERON	
		On			C28		1		
	Hot-Key settings	Blank Screen		3-6		CF_HOTKEY_%1	1	CR_HOTKEY	
		Aspect Ratio					2		
		Freeze Screen (Note01)					3		
		Projector Info					4		
	Reset to Default	Yes/No		3-7		CF_FACTORY_RESET			
Light source	Light Source Mode	Constant Power		4-1		CF_AUTOLAMPCONTROL_%1	1	CR_AUTOLAMPCONTROL	
		Constant Intensity					2		
		ECO 1					3		
		ECO 2					4		
	Constant Power	0 to 99		4-2		CF_LAMPPOWER_%1	0 to 99 (30% to 100%)	CR_LAMPPOWER	
	Light Source Info	Total Projector Hours		4-3				CR_PJTIME	
		LD Hours		4-4				CR_LIGHTTIME	
	Background color	Logo		5-1		CF_BACKGND_%1	1	CR_BACKGND	
		Blue					2		
		Black					3		
		White					4		
	Auto shutdown			5-2		CF_AUTOPOWEROFF_%1	0~120 (one step: 5 mins)	CR_AUTOPOWEROFF	
	Sleep Timer			5-3		CF_SLEEP_%1	0~990 (one step: 10 mins)	CR_SLEEP	
	Lens Function	Focus		5-4-1	C4B				Focus in - motor go step
					C4D				Focus in - motor run
					C4A				Focus out - motor go step
					C4C				Focus out - motor run
		Zoom		5-4-2	C46				Zoom in - motor go step
					C48				Zoom in - motor run
					C47				Zoom out - motor go step
					C49				Zoom out - motor run
		Lens Shift		5-4-3	C5D				Left shift up - motor go step
					C63				Left shift up - motor run
					C5E				Left shift down - motor go step
					C64				Left shift down - motor run
					C60				Left shift right - motor go step
					C66				Left shift right - motor run
					C5F				Left shift left - motor go step
					C65				Left shift left - motor run
		Lens Lock	On	5-4-4		CF_LENSLOCK_%1	1	CR_LENSLOCK	
			Off				0		
		Lens Calibration		5-4-5	C61				Execute Lens Calibration

Options	High Altitude	Off		5-5		CF_ALTITUDE_%1	0	CR_ALTITUDE		
		On					1			
	PIN	PIN protect	Off	5-6-1		CF_PJPINCODE_%1	0			
			On				1			
		Change PIN		5-6-2		CF_PJPINCODECHANGE_%1_%2	%1= Old PIN %2= New PIN (00000 ~ 99999)			Change PIN Code
	Remote Settings	Top	Off	5-7-1		CF_IRREMOTE_TOP_%1	0	CR_IRREMOTE_TOP		
			On				1			
		Front	Off	5-7-2		CF_IRREMOTE_FRONT_%1	0	CR_IRREMOTE_FRONT		
			On				1			
		HDBaseT	Off	5-7-3-1		CF_IRREMOTE_HDBASET_%1	0	CR_IRREMOTE_HDBASET		
			On				1			
		Projector Address	0 ~ 9	5-7-3-2		CF_PJIRADDRESS_%1	0 ~ 9	CR_PJIRADDRESS		
	Show message	Off		5-8		CF_DISP_%1	0	CR_DISP		
		On					1			
	LED settings	Keypad LED	On	5-9-1		CF_KEYLIGHT_%1	1	CR_KEYLIGHT		
			Off				0			
		Status LED	On	5-9-2		CF_STATLED_%1	1	CR_STATLED		
			Off				0			
			Warnings/Errors Only				2			
	Information	Model Name		5-10-1				CR_MODELNAME		
		Serial Number		5-10-2				CR_SERIALNO		
		Native Resolution		5-10-3				CR_NRESOLUTION		
		MCU FW		5-10-4				CR_FWVER1		
		DDP FW		5-10-5				CR_FWVER2		
		M9813 FW		5-10-6				CR_FWVER3		
		Motor FW		5-10-7				CR_FWVER4		
		ext flash FW		5-10-8				CR_FWVER5		
		Main Input		5-10-9	CR1					
		Main Signal Format		5-10-10				CR_SIGNFORMAT		
		Main Pixel Clock		5-10-11				CR_PIXELCLK		
		Main Sync Type		5-10-12				CR_SYNCTYPE		
		Main Horz Refresh		5-10-13			%1 %2 (%1 = H freq. %2 = V freq.)	CR_REFRESH		
		Main Vert Refresh		5-10-14						
		PIP/PBP Input		5-10-15				CR_PIPSUBINP		
		PIP/PBP Signal Format (note 9)		5-10-16				CR_SUBSIGNFORMAT		
		PIP/PBP Pixel Clock (note 9)		5-10-17				CR_SUB_PIXELCLK		
		PIP/PBP Sync Type (note 9)		5-10-18				CR_SUB_SYNCTYPE		
		PIP/PBP Horz Refresh (note 9)		5-10-19			%1 %2 (%1 = H freq. %2 = V freq.)	CR_SUB_REFRESH		
		PIP/PBP Vert Refresh (note 9)		5-10-20						
		Light Source Power		5-10-21				CR_LAMPPOWER		
		Total Projector Hours		5-10-22				CR_PJTIME		
		Light Source Hours		5-10-23				CR_LIGHTTIME		
		Standby Mode		5-10-24				CR_ECONETWORK		
		Lens Lock Settings		5-10-25				CR_LENSLOCK		
		IP Address		5-10-26				CR_IPADDRESS		
		DHCP		5-10-27				CR_DHCP		
		System Temperature		5-10-28						
	3D	Auto		6-1		CF_3D-MODE_%1	1	CR_3D-MODE		
		On					2			
	3D Invert	Off		6-2		CF_3D-INVERT_%1	0	CR_3D-INVERT		
		On					1			
	3D Format	Frame Packing		6-3		CF_3D-FORMAT_%1	1	CR_3D-FORMAT		
		Side-by-Side (Half)					2			
		Top amd Bottom					3			
		Frame Sequential					4			
	1080p @ 24	96Hz		6-4		CF_3D-1080P_%1	1	CR_3D-1080P		
		144Hz					2			
	3D sync out	To Emitter		6-5		CF_SYNCOUT_%1	1	CR_SYNCOUT		
		To Next Projector					2			
	Frame Delay			6-6		CF_FRAMEDELAY_%1	1~200	CR_FRAMEDELAY		
							UP			
							DN			
	L/R Reference	1ST Frame		6-7		CF_LR-REF_%1	1	CR_LR-REF		
		Field GPIO					2			
	DLP Link	On		6-8		CF_DLPLINK_%1	1	CR_DLPLINK		
		Off					0			
Communications	LAN	DHCP	On	7-1-1		CF_DHCP_%1	1	CR_DHCP		
			Off				0			
		IP Address		7-1-2		CF_IPADDRESS_%1	xxx.xxx.xxx.xxx	CR_IPADDRESS		
		Subnet Mask		7-1-3		CF_SUBNET_%1	xxx.xxx.xxx.xxx	CR_SUBNET		
		Default Gateway		7-1-4		CF_GATEWAY_%1	xxx.xxx.xxx.xxx	CR_GATEWAY		
		MAC Address		7-1-5				CR_MACADDRESS		
		Apply	Command	7-1-6		CF_LANSETAPPLY				
	Network	Projector Name		7-2-1				CR_NET_PJNAME		
		Show Network Messages	On	7-2-2		CF_NETMESG_%1	1	CR_NETMESG		
			Off				0			
		Restart Network	Command	7-2-3		CF_NET_RESET				Execute Restart Network
		Network Factory Reset	Command	7-2-4		CF_NET_FACTORY_RESET				Execute Network Factory Reset
	Serial Port Baud Rate	1200		7-3		CF_BAUDRATE_%1	1	CR_BAUDRATE		
		2400					2			
		4800					3			
		9600					4			
		14400					5			
		19200					6			
		38400					7			
		57600					8			
		115200					9			
	Serial Port Echo	Off		7-4		CF_SERIALECHO_%1	0	CR_SERIALECHO		
		On					1			
	Serial Port Path	RS232		7-5		CF_SERIALPATH_%1	1	CR_SERIALPATH		
		HDBaseT					2			

RS232C Command List for ES-DU61L

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Category	Item	EIKIK Format A (Standard)	EIKI Format B (Expand)			Note
		Commands	Commands	Parameter (%1=)	Read Command	
Other	A-1	C00				Power Off
	A-2	C01				Power On
	A-3	C0D				Shutter Close
	A-4	C0E				Shutter Open
	A-5	C43				Freeze On
	A-6	C44				Freeze Off
	A-7	CR0				Reply code [%1] 1 = Stabnd-by 2 = Warming up 4 = Sercing Source 7 = Display source 12 = Cooling
	A-8		CF_LNS_INSTALL_%1	1	CR_LNS_INSTALL	Execute UST Lens Installation procedure
				2		
				3		
				4		
				5		
				6		
				0		
	A-9		CR_ALLPFAIL			
Remote Control Button	B-1	C00				Power ON
	B-2	C02				POWER OFF
	B-3		CF_KYBTN1			1
	B-4		CF_KYBTN2			2
	B-5		CF_KYBTN3			3
	B-6		CF_KYBTN4			4
	B-7		CF_KYBTN5			5
	B-8		CF_KYBTN6			6
	B-9		CF_KYBTN7			7
	B-10		CF_KYBTN8			8
	B-11		CF_KYBTN9			9
	B-12		CF_KYINFO			Info
	B-13		CF_KYBTN0			0
	B-14	C27				Mode
	B-15	C89				Auto
	B-16		CF_KYSRC			Source
	B-17	C3C				Up
	B-18	C3B				Left
	B-19	C3F				Enter
	B-20	C3A				Right
	B-21	C3D				Down
	B-22	C1C				Menu
	B-23		CF_KYEXIT			Exit
	B-24		CF_KYGAMMA			Gamma
	B-25		CF_KYBRIGHT			Bright
	B-26		CF_KYCONT			Cont.
	B-27		CF_KYPIP			PIP
	B-28	C5F				Lens H (Left)
	B-29	C60				Lens H (Right)
	B-30	C4A				Focus (Up)
	B-31	C5D				Lens V (Up)
	B-32	C5E				Lens V (Down)
	B-33	C4B				Focus (Down)
	B-34	C91				Keystone H (Left)
	B-35	C90				Keystone H (Right)
	B-36	C46				Zoom (Up)
	B-37	C8E				Keystone V (Up)
	B-38	C8F				Keystone V (Down)
	B-39	C47				Zoom (Down)
	B-40		CF_KYSHUTTER			Shutter (AV Mute)
	B-41		CF_KYHOTKEY			Hot Key
	B-42		CF_KYTESTPAT			Pattern