

< Control Commands >

Model No. **PT-EX12KU / EX12KE**
PT-SLX12KC

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Using the Serial Terminal

1. Basic Format

Transmission from the computer begins with STX, and then the command, parameter and ETX are set in order.

Add parameters according to the details of control.

Basic control command (without parameter)

Start (STX)	ID	Separator (semicolon)	Command	End (ETX)
1 byte	4 bytes	1 byte	3 bytes	1 byte

Basic control command (with parameter)

Start (STX)	ID	Separator (semicolon)	Command	Separator (Colon)	Parameters	End (ETX)
1 byte	4 bytes	1 byte	3 bytes	1 byte	Undefined length	1 byte

Basic control command (subcommand)

Start (STX)	ID	Separator (semicolon)	Command	Separator (colon)		
1 byte	4 bytes	1 byte	3 bytes	1 byte		
Subcommand		Operation	Sign	Parameter		END (ETX)
5 bytes		1 byte	1 byte	5 bytes		1 byte

Operation

Specifies method of processing the value specified by parameters.

Code	Description
=	Sets the value specified by parameters.
_(underbar)	Adds the value specified by the parameters to the current value.

Sign

Specifies positive or negative of the value specified by parameters.

Code	Description
+	The value specified by the parameter is a positive value or 0 (zero).
-	The value specified by the parameter is a negative value.

Parameter

Specify the setting or adjustment value by right justification (0 is not suppressed).

For example, when the setting value is "1", set is as "00001".

ID of the basic control command

ID	4 bytes String	ID	4 bytes String	ID	4 bytes String	ID	4 bytes String
ALL	ADZZ	ID17	AD17	ID34	AD34	ID51	AD51
ID1	AD01	ID18	AD18	ID35	AD35	ID52	AD52
ID2	AD02	ID19	AD19	ID36	AD36	ID53	AD53
ID3	AD03	ID20	AD20	ID37	AD37	ID54	AD54
ID4	AD04	ID21	AD21	ID38	AD38	ID55	AD55
ID5	AD05	ID22	AD22	ID39	AD39	ID56	AD56
ID6	AD06	ID23	AD23	ID40	AD40	ID57	AD57
ID7	AD07	ID24	AD24	ID41	AD41	ID58	AD58
ID8	AD08	ID25	AD25	ID42	AD42	ID59	AD59
ID9	AD09	ID26	AD26	ID43	AD43	ID60	AD60
ID10	AD10	ID27	AD27	ID44	AD44	ID61	AD61
ID11	AD11	ID28	AD28	ID45	AD45	ID62	AD62
ID12	AD12	ID29	AD29	ID46	AD46	ID63	AD63
ID13	AD13	ID30	AD30	ID47	AD47	ID64	AD64
ID14	AD14	ID31	AD31	ID48	AD48		
ID15	AD15	ID32	AD32	ID49	AD49		
ID16	AD16	ID33	AD33	ID50	AD50		

Response (Callback) of the basic control command

In the period when the command can be accepted

Differs according to each command

In the period when the command cannot be accepted or not exists

Hexadecimal	02h	45h		3452h	30h	31h	03h
Character		E	R	4	0	1	

In case of the parameter error

Hexadecimal	02h	45h	52h	34h	30h	32h	03h
Character		E	R	4	0	2	

Attention:

- No command may be sent or received for 10 to 60 seconds after the lamp starts lighting. They sending any command after that period has elapsed.
 - When sending several commands, be sure to wait for a response from the projector, and send the next command after 0.5 seconds or more pass.
 - It might take time by the time the response returns because the command is processed in the projector.
- Set the time- out to 10 seconds or longer

Note:

- This projector will respond to the computer only in the following case:

If sent ID coincides with projector ID.

The sent ID is ALL.

2. Basic Control Command

Explanatory notes

- : Enable
- × : Disable

2.1. Power ON (LAMP ON)

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	50h	4Fh	4Eh	03h
Character		A	D	Z	Z	;	P	O	N	

Response (Callback)

In the period when the command can be accepted (This command in power-on condition is included.)

Hexadecimal	02h	50h	4Fh	4Eh	03h
Character		P	O	N	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
×	○	×	×	×

Notes:

- When you confirm whether to have succeeded in power-on, confirm it by QPW (Query Power) command after receiving the callback of PON command.

2.2. Power OFF (Stand-by)

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	50h	4Fh	46h	03h
Character		A	D	Z	Z	;	P	O	F	

Response (Callback)

In the period when the command can be accepted (This command in power-off condition is included.)

Hexadecimal	02h	50h	4Fh	46h	03h
Character		P	O	F	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	×	○	○	○

Notes:

- When you confirm whether to have succeeded in power-off, confirm it by QPW (Query Power) command after receiving the callback of PON command.

2.3. FREEZE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	46h	5Ah	3Ah	*1	03h
Character		A	D	Z	Z	;	O	F	Z	:	*2	

Parameters (*1,*2)

	Freeze OFFF	Freeze ON
Hexadecimal	30h	31h
Character	0	1

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	46h	5Ah	3Ah	*1	03h
Character		O	F	Z	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
×	×	×	×	○

2.4. AUTO SETUP

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	41h	53h	03h
Character		A	D	Z	Z	;	O	A	S	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	41h	53h	03h
Character		O	A	S	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	×	○	○	○

Note:

- This command is acceptable only when analog RGB signal is input.

2.5. SHUTTER

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	53h	48h	3Ah	*1	03h
Character		A	D	Z	Z	;	O	S	H	:	*2	

Parameters (*1,*2)

	Shutter OFF	Shutter on
Hexadecimal	30h	31h
Character	0	1

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	53h	48h	3Ah	*1	03h
Character		O	S	H	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.6. INPUT SELECT

[Standard Input]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	49h	49h	53h	3Ah
Character		A	D	Z	Z	;	I	I	S	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

Parameters

[Standard Input] (*1,*2,*3,*4,*5,*6)

	PC1			PC2			RGB1		
Hexadecimal	50h	43h	31h	50h	43h	32h	52h	47h	31h
Character	P	C	1	P	C	2	R	G	1
	RGB2			VIDEO			S-VIDEO		
Hexadecimal	52h	47h	32h	56h	49h	44h	53h	56h	44h
Character	R	G	2	V	I	D	S	V	D
	DVI			HDMI			Scart		
Hexadecimal	44h	56h	49h	48h	44h	31h	53h	43h	54h
Character	D	V	I	H	D	I	S	C	T

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	49h	49h	53h	3Ah	*1	*3	*5	03h
Character		I	I	S	:	*2	*4	*6	

[Slot board Input]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	49h	49h	53h	3Ah
Character		A	D	Z	Z	;	I	I	S	:
Hexadecimal	41h	55h	*1	2Ch	*3	*5	*7	03h		
Character	A	U	*2	,	*4	*6	*8			

Parameters

[Slot board Input] (*1,*2,*3,*4,*5,*6,*7,*8)

	INPUT3 BNC_RGB				INPUT4 BNC_RGB			
Hexadecimal	31h	52h	47h	31h	32h	52h	47h	31h
Character	1	R	G	1	2	R	G	1
	INPUT3 BNC_Video				INPUT4 BNC_Video			
Hexadecimal	31h	56h	49h	44h	32h	56h	49h	44h
Character	1	V	I	D	2	V	I	D
	INPUT3 BNC_S-video				INPUT4 BNC_S-video			
Hexadecimal	31h	53h	56h	44h	32h	53h	56h	44h
Character	1	S	V	D	2	S	V	D
	INPUT3 DVI_PC-Analog				INPUT4 DVI_PC-Analog			
Hexadecimal	31h	52h	47h	32h	32h	52h	47h	32h
Character	1	R	G	2	2	R	G	2
	INPUT3 DVI_Scart				INPUT4 DVI_Scart			
Hexadecimal	31h	53h	43h	54h	32h	53h	43h	54h
Character	1	S	C	T	2	S	C	T
	INPUT3 DVI_PC-Digital				INPUT4 DVI_PC-Digital			
Hexadecimal	31h	44h	56h	49h	32h	44h	56h	49h
Character	1	D	V	I	2	D	V	I
	INPUT3 Dual-SDI_SD11				INPUT4 Dual-SDI_SD11			
Hexadecimal	31h	53h	44h	31h	32h	53h	44h	31h
Character	1	S	D	1	2	S	D	1
	INPUT3 Dual-SDI_SD12				INPUT4 Dual-SDI_SD12			
Hexadecimal	31h	53h	44h	32h	32h	53h	44h	32h
Character	1	S	D	2	2	S	D	2

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	49h	49h	53h	3Ah	41h	55h	*1	2Ch
Character		I	I	S	:	A	U	*2	,
Hexadecimal	*3	*5	*7	03h					
Character	*4	*6	*8						

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.7. TEST PATTERN

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	54h	53h	3Ah
Character		A	D	Z	Z	;	O	T	S	:
Hexadecimal	*1	*3	03h							
Character	*2	*4								

Parameters (*1,*2,*3,*4)

	OFF		White		Black		Color bar (V)		16-step gray scale(W→B)	
Hexadecimal	30h	30h	30h	31h	30h	32h	30h	38h	36h	30h
Character	0	0	0	1	0	2	0	8	6	0
	16-step gray scale (B←W)		16-step gray scale (W↓B)		16-step gray scale (B↑W)		Cross (V16 x H12)			
Hexadecimal	36h	31h	36h	32h	32h	33h	36h	34h		
Character	6	1	6	2	6	3	6	4		

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	54h	53h	3Ah	*1	*3	03h
Character		O	T	S	:	*2	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	x

2.8. MENU key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	4Dh	4Eh	03h
Character		A	D	Z	Z	;	O	M	N	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	4Dh	4Eh	03h
Character		O	M	N	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.9. ENTER key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	45h	4Eh	03h
Character		A	D	Z	Z	;	O	E	N	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	45h	4Eh	03h
Character		O	E	N	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
o	x	o	o	o

2.10. Up key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	43h	55h	03h
Character		A	D	Z	Z	;	O	C	U	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	43h	55h	03h
Character		O	C	U	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
o	x	o	o	o

2.11. Down key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	43h	44h	03h
Character		A	D	Z	Z	;	O	C	D	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	43h	44h	03h
Character		O	C	D	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
o	x	o	o	o

2.12. Left key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	43h	4Ch	03h
Character		A	D	Z	Z	;	O	C	L	

Response(Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	43h	4Ch	03h
Character		O	C	L	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
o	x	o	o	o

2.13. Right key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	43h	52h	03h
Character		A	D	Z	Z	;	O	C	R	

Response(Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	43h	52h	03h
Character		O	C	R	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
o	x	o	o	o

2.14. SCREEN key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	53h	31h	03h
Character		A	D	Z	Z	;	V	S	1	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	53h	31h	03h
Character		V	S	1	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.15. NUMERIC key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	4Eh	4Bh	3Ah	*1	03h
Character		A	D	Z	Z	;	O	N	K	:	*2	

Parameter(*1, *2)

	0 key	1 key	2 key	3 key	4 key	5 key	6 key	7 key	8 key	9 key
Hexadecimal	30h	31h	32h	33h	34h	35h	36h	37h	38h	39h
Character	0	1	2	3	4	5	6	7	8	9

Response(Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	4Eh	4Bh	3Ah	*1	03h
Character		O	N	K	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
o	x	o	o	o

2.16. INFO. key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	53h	54h	53h	03h
Character		A	D	Z	Z	;	S	T	S	

Response(Callback)

In the period when the command can be accepted

Hexadecimal	02h	53h	54h	53h	03h
Character		S	T	S	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.17. INSTALLATION

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	49h	4Ch	3Ah	*1	03h
Character		A	D	Z	Z	;	O	I	L	:	*2	

Parameters (*1,*2)

	FRONT/FLOOR	REAR/FLOOR	FRONT/CEILING	REAR/CEILING
Hexadecimal	30h	31h	32h	33h
Character	0	1	2	3

Response(Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	49h	4Ch	3Ah	*1	03h
Character		O	I	L	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.18. FAN CONTROL

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	46h	4Dh	3Ah	*1	03h
Character		A	D	Z	Z	;	O	F	M	:	*2	

Parameters (*1,*2)

	NORMAL	MAX
Hexadecimal	30h	31h
Character	0	1

Response(Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	46h	4Dh	3Ah	*1	03h
Character		O	F	M	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.19. LAMP SELECT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Ch	50h	4Dh	3Ah	*1	03h
Character		A	D	Z	Z	;	L	P	M	:	*2	

Parameters (*1,*2)

	DUAL	SINGLE	LAMP1	LAMP2
Hexadecimal	30h	31h	32h	33h
Character	0	1	2	3

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Ch	50h	4Dh	3Ah	*1	03h
Character		L	P	M	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

Notes:

- In the case of " Dual" , the lamp which has fewer operating hour is used.

2.20. LAMP POWER

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	4Ch	50h	3Ah	*1	03h
Character		A	D	Z	Z	;	O	L	P	:	*2	

Parameters (*1,*2)

	Normal	Auto	Eco 1	Eco 2
Hexadecimal	30h	32h	33h	34h
Character	0	2	3	4

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	4Ch	50h	3Ah	*1	03h
Character		O	L	P	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.21. PROJECTOR ID

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	52h	49h	53h	3Ah	*1	*3	03h
Character		A	D	Z	Z	;	R	I	S	:	*2	*4	

Parameters (*1,*2,*3,*4)

	0(ALL)		1		2	
Hexadecimal	30h	30h	30h	31h	30h	32h
Character	0	0	0	1	0	2
	62		63		64	
Hexadecimal	36h	32h	36h	33h	36h	34h
Character	6	2	6	3	6	4

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	52h	49h	53h	3Ah	*1	*3	03h
Character		R	I	S	:	*2	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.22. PICTURE MODE

[Except Image 10]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	50h	4Dh	3Ah
Character		A	D	Z	Z	;	V	P	M	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

Parameters (*1,*2,*3,*4,*5,*6)

	STANDARD			DYNAMIC			CINEMA		
Hexadecimal	53h	54h	44h	44h	59h	4Eh	43h	49h	4Eh
Character	S	T	D	D	Y	N	C	I	N
	REAL			IMAGE 1			IMAGE 2		
Hexadecimal	52h	45h	41h	49h	4Dh	31h	49h	4Dh	32h
Character	R	E	A	I	M	1	I	M	2
	IMAGE 3			IMAGE 4			IMAGE 5		
Hexadecimal	49h	4Dh	33h	49h	4Dh	34h	49h	4Dh	35h
Character	I	M	3	I	M	4	I	M	5
	IMAGE 6			IMAGE 7			IMAGE 8		
Hexadecimal	49h	4Dh	36h	49h	4Dh	37h	49h	4Dh	38h
Character	I	M	6	I	M	7	I	M	8
	IMAGE 9								
Hexadecimal	49h	4Dh	39h						
Character	I	M	9						

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	50h	4Dh	3Ah	*1	*3	*5	03h
Character		V	P	M	:	*2	*4	*6	

[Image 10]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	50h	4Dh	3Ah
Character		A	D	Z	Z	;	V	P	M	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

Parameters (*1,*2,*3,*4,*5,*6,*7,*8)

	IMAGE 10			
Hexadecimal	49h	4Dh	31h	30h
Character	I	M	1	0

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	50h	4Dh	3Ah	*1	*3	*5	*7	03h
Character		V	P	M	:	*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	x

2.23. COLOR

[Absolute assignemnt]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	43h	4Fh	3Ah
Character		A	D	Z	Z	;	V	C	O	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

Parameters (*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	43h	4Fh	3Ah	*1	*3	*5	03h
Character		V	C	O	:	*2	*4	*6	

[Relative assignemnt]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	43h	4Fh	3Ah
Character		A	D	Z	Z	;	V	C	O	:
Hexadecimal	*1	3Dh	*3	03h						
Character	*2	=	*4							

Parameters (*1,*2,*3,*4)

	-9		-8		-1		-0	
Hexadecimal	2Dh	39h	2Dh	38h	2Dh	31h	2Dh	30h
Character	-	9	-	8	-	1	-	0
	+0		+1		+8		+9	
Hexadecimal	2Bh	30h	2Bh	31h	2Bh	38h	2Bh	39h
Character	+	0	+	1	+8	+9		

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	43h	4Fh	3Ah	*1	3Dh	*3	03h
Character		V	C	O	:	*2	=	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.24. TINT

[Absolute assignemnt]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	54h	4Eh	3Ah
Character		A	D	Z	Z	;	V	T	N	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

Parameters (*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	54h	4Eh	3Ah	*1	*3	*5	03h
Character		V	T	N	:	*2	*4	*6	

[Relative assignemnt]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	54h	4Eh	3Ah
Character		A	D	Z	Z	;	V	T	N	:
Hexadecimal	*1	3Dh	*3	03h						
Character	*2	=	*4							

Parameters (*1,*2,*3,*4)

	-9		-8		-1		-0	
Hexadecimal	2Dh	39h	2Dh	38h	2Dh	31h	2Dh	30h
Character	-	9	-	8	-	1	-	0
	+0		+1		+8		+9	
Hexadecimal	2Bh	30h	2Bh	31h	2Bh	38h	2Bh	39h
Character	+	0	+	1	+8	+9		

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	54h	4Eh	3Ah	*1	3Dh	*3	03h
Character		V	T	N	:	*2	=	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.25. COLOR TEMPERATURE

[Low, Mid,High]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	54h	45h	3Ah
Character		A	D	Z	Z	;	O	T	E	:
Hexadecimal	*1	03h								
Character	*2									

Parameters (*1,*2)

	Low	Mid	High
Hexadecimal	31h	32h	33h
Character	1	2	3

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	54h	45h	3Ah	*1	03h
Character		O	T	E	:	*2	

[XLow]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	54h	45h	3Ah
Character		A	D	Z	Z	;	O	T	E	:
Hexadecimal	*1	*3	03h							
Character	*2	*4								

Parameters (*1,*2)

	XLow	
Hexadecimal	30h	31h
Character	0	1

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	54h	45h	3Ah	*1	*3	03h
Character		O	T	E	:	*2	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.26. WHITE BALANCE LOW - RED

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	4Fh	52h	3Ah
Character		A	D	Z	Z	;	V	O	R	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

Parameters (*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	4Fh	52h	3Ah	*1	*3	*5	03h
Character		V	O	R	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.27. WHITE BALANCE LOW - GREEN

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	4Fh	47h	3Ah
Character		A	D	Z	Z	;	V	O	G	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

Parameters (*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	4Fh	47h	3Ah	*1	*3	*5	03h
Character		V	O	G	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.28. WHITE BALANCE LOW - BLUE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	4Fh	42h	3Ah
Character		A	D	Z	Z	;	V	O	B	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

Parameters (*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	4Fh	42h	3Ah	*1	*3	*5	03h
Character		V	O	B	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.29. WHITE BALANCE HIGH - RED

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	48h	52h	3Ah
Character		A	D	Z	Z	;	V	H	R	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

Parameters (*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	48h	52h	3Ah	*1	*3	*5	03h
Character		V	H	R	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	x

2.30. WHITE BALANCE HIGH - GREEN

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	48h	47h	3Ah
Character		A	D	Z	Z	;	V	H	G	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

Parameters (*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	48h	47h	3Ah	*1	*3	*5	03h
Character		V	H	G	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.31. WHITE BALANCE HIGH - BLUE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	48h	42h	3Ah
Character		A	D	Z	Z	;	V	H	B	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

Parameters (*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	48h	42h	3Ah	*1	*3	*5	03h
Character		V	H	B	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.32. CONTRAST

[Absolute assignment]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	43h	4Eh	3Ah
Character		A	D	Z	Z	;	V	C	N	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

Parameters (*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	43h	4Eh	3Ah	*1	*3	*5	03h
Character		V	C	N	:	*2	*4	*6	

[Relative assignment]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	43h	4Eh	3Ah
Character		A	D	Z	Z	;	V	C	N	:
Hexadecimal	*1	3Dh	*3	03h						
Character	*2	=	*4							

Parameters (*1,*2,*3,*4)

	-9		-8		-1		-0	
Hexadecimal	2Dh	39h	2Dh	38h	2Dh	31h	2Dh	30h
Character	-	9	-	8	-	1	-	0
	+0		+1		+8		+9	
Hexadecimal	2Bh	30h	2Bh	31h	2Bh	38h	2Bh	39h
Character	+	0	+	1	+8	+9		

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	43h	4Eh	3Ah	*1	3Dh	*3	03h
Character		V	C	N	:	*2	=	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.33. BRIGHTNESS

[Absolute assignment]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	42h	52h	3Ah
Character		A	D	Z	Z	;	V	B	R	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

Parameters (*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	31h	30h	30h	31h	30h	30h	32h
Character	0	0	1	0	0	1	0	0	2
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	42h	52h	3Ah	*1	*3	*5	03h
Character		V	B	R	:	*2	*4	*6	

[Relative assignment]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	42h	52h	3Ah
Character		A	D	Z	Z	;	V	B	R	:
Hexadecimal	*1	3Dh	*3	03h						
Character	*2	=	*4							

Parameters (*1,*2,*3,*4)

	-9		-8		-1		-0	
Hexadecimal	2Dh	39h	2Dh	38h	2Dh	31h	2Dh	30h
Character	-	9	-	8	-	1	-	0
	+0		+1		+8		+9	
Hexadecimal	2Bh	30h	2Bh	31h	2Bh	38h	2Bh	39h
Character	+	0	+	1	+8	+9		

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	42h	52h	3Ah	*1	3Dh	*3	03h
Character		V	B	R	:	*2	=	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.34. GAMMA MODE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	47h	41h	3Ah
Character		A	D	Z	Z	;	V	G	A	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

Parameters (*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	13			14			15		
Hexadecimal	30h	31h	33h	30h	31h	34h	30h	31h	35h
Character	0	1	3	0	1	4	0	1	5

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	47h	41h	3Ah	*1	*3	*5	03h
Character		V	G	A	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.35. SHARPNESS

[Absolute assignment]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	53h	52h	3Ah
Character		A	D	Z	Z	;	V	S	R	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

Parameters (*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	29			30			31		
Hexadecimal	30h	32h	39h	30h	33h	30h	30h	33h	31h
Character	0	2	9	0	3	0	0	3	1

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	53h	52h	3Ah	*1	*3	*5	03h
Character		V	S	R	:	*2	*4	*6	

[Relative assignment]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	53h	52h	3Ah
Character		A	D	Z	Z	;	V	S	R	:
Hexadecimal	*1	3Dh	*3	03h						
Character	*2	=	*4							

Parameters (*1,*2,*3,*4)

	-9		-8		-1		-0	
Hexadecimal	2Dh	39h	2Dh	38h	2Dh	31h	2Dh	30h
Character	-	9	-	8	-	1	-	0
	+0		+1		+8		+9	
Hexadecimal	2Bh	30h	2Bh	31h	2Bh	38h	2Bh	39h
Character	+	0	+	1	+8	+9		

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	53h	52h	3Ah	*1	3Dh	*3	03h
Character		V	S	R	:	*2	=	*4	

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.36. NOISE REDUCTION

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	4Eh	53h	3Ah
Character		A	D	Z	Z	;	V	N	S	:
Hexadecimal	*1	03h								
Character	*2									

Parameters (*1,*2)

	OFF	ON
Hexadecimal	30h	31h
Character	0	1

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	4Eh	53h	3Ah	*1	03h
Character		V	N	S	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.37. PROGRESSIVE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	50h	44h	3Ah
Character		A	D	Z	Z	;	O	P	D	:
Hexadecimal	*1	03h								
Character	*2									

Parameters (*1,*2)

	FILM	OFF	ON
Hexadecimal	30h	31h	32h
Character	0	1	2

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	50h	44h	3Ah	*1	03h
Character		O	A	I	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.38. TV - SYSTEM

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	53h	47h	3Ah
Character		A	D	Z	Z	;	V	S	G	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

Parameters (*1,*2,*3,*4,*5,*6)

	AUTO						NTSC		
Hexadecimal	41h	54h	31h	41h	54h	32h	4Eh	54h	53h
Character	A	T	1	A	T	2	N	T	S
	NTSC4.43			PAL			PAL-M		
Hexadecimal	4Eh	34h	34h	50h	41h	4Ch	50h	41h	4Dh
Character	N	4	4	P	A	L	P	A	M
	PAL-N			SECAM					
Hexadecimal	50h	41h	4Eh	53h	45h	43h			
Character	P	A	N	S	E	C			

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	53h	47h	3Ah	*1	*3	*5	03h
Character		V	S	G	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.39. SHIFT HORIZONTAL

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	54h	48h	3Ah
Character		A	D	Z	Z	;	V	T	H	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

Parameters (*1,*2,*3,*4,*5,*6,*7,*8)

	0				1				2			
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	31h	30h	30h	30h	32h
Character	0	0	0	0	0	0	0	1	0	0	0	2
	4093				4094				4095			
Hexadecimal	34h	30h	39h	33h	34h	30h	39h	34h	34h	30h	39h	35h
Character	4	0	9	3	4	0	9	4	4	0	9	5

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	54h	48h	3Ah	*1	*3	*5	03h
Character		V	T	H	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

Notes:

This sets the horizontal position of computer signal.

The value set with this command cannot be memorized in the projector, therefore, the value will restore when the power is off.

2.40. SHIFT VERTICAL

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	54h	56h	3Ah
Character		A	D	Z	Z	;	V	T	V	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

Parameters (*1,*2,*3,*4,*5,*6,*7,*8)

	1				2				3			
Hexadecimal	30h	30h	30h	31h	30h	30h	30h	32h	30h	30h	30h	33h
Character	0	0	0	1	0	0	0	2	0	0	0	3
	4092				4093				4094			
Hexadecimal	34h	30h	39h	32h	34h	30h	39h	33h	34h	30h	39h	34h
Character	4	0	9	2	4	0	9	3	4	0	9	4

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	54h	56h	3Ah	*1	*3	*5	03h
Character		V	T	V	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

Note:

This sets the vertical position of computer signal.

The value set with this command cannot be memorized in the projector, therefore, the value will restore when the power is off.

2.41. ASPECT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	53h	45h	3Ah
Character		A	D	Z	Z	;	V	S	E	:
Hexadecimal	*1	*3	03h							
Character	*2	*4								

Parameters (*1,*2,*3,*4)

Input signal: Video signal

	NORMAL	WIDE	FULL	ZOOM		CUSTOM	
Hexadecimal	30h	32h	36h	34h	30h	35h	30h
Character	0	2	6	4	0	5	0

Input signal: Computer signal

	NORMAL	WIDE	REAL	FULL	ZOOM	
Hexadecimal	30h	32h	35h	36h	34h	30h
Character	0	2	5	6	4	0
	CUSTOM					
Hexadecimal	35h	30h				
Character	5	0				

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	53h	45h	3Ah	*1	*3	03h
Character		V	S	E	:	*2	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.42. CLOCK PHASE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	43h	50h	3Ah
Character		A	D	Z	Z	;	V	C	P	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

Parameters (*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	29			30			31		
Hexadecimal	30h	32h	39h	30h	33h	30h	30h	33h	31h
Character	0	2	9	0	3	0	0	3	1

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	43h	50h	3Ah	*1	*3	*5	03h
Character		V	C	P	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE						
x	x	x	o	x						
VIDEO	S-VIDEO	RGB1	RGB2	YP _B PR1	YP _B PR2	DVI	HDMI	SDI		
x	x	o	o	x	x	x	x	x		

Note:

This sets the clock phase of computer signal.

The value set with this command cannot be memorized in the projector, therefore, the value will restore when the power is off.

2.43. INPUT RESOLUTION - TOTAL DOTS

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	54h	44h	3Ah
Character		A	D	Z	Z	;	V	T	D	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

Parameters (*1,*2,*3,*4,*5,*6,*7,*8)

330					331					
Hexadecimal	30h	33h	33h	30h	30h	33h	33h	31h		
Character	0	3	3	0	0	3	3	1		
4095					4096					
Hexadecimal	34h	30h	39h	35h	34h	30h	39h	36h		
Character	4	0	9	5	4	0	9	6		

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	54h	44h	3Ah	*1	*3	*5	*7	03h
Character		V	T	D	:	*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE						
x	x	x	o	x						
VIDEO	S-VIDEO	RGB1	RGB2	YP _B PR1	YP _B PR2	DVI	HDMI	SDI		
x	x	o	o	x	x	x	x	x		

Note:

This sets the total dots of computer signal.

The value set with this command cannot be memorized in the projector, therefore, the value will restore when the power is off.

2.44. INPUT RESOLUTION DISPLAY DOTS

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	44h	44h	3Ah
Character		A	D	Z	Z	;	V	D	D	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

Parameters (*1,*2,*3,*4,*5,*6,*7,*8)

256					257					
Hexadecimal	30h	32h	35h	36h	30h	32h	35h	37h		
Character	0	2	5	6	0	2	5	7		
2065					2066					
Hexadecimal	32h	30h	36h	35h	32h	30h	36h	36h		
Character	2	0	6	5	2	0	6	6		

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	44h	44h	3Ah	*1	*3	*5	*7	03h
Character		V	D	D	:	*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE						
x	x	x	o	x						
VIDEO	S-VIDEO	RGB1	RGB2	YP _B PR1	YP _B PR2	DVI	HDMI	SDI		
x	x	o	o	x	x	x	x	x		

Notes:

This sets the display dots of computer signal.

The value set with this command cannot be memorized in the projector, therefore, the value will restore when the power is off.

The maximum value is [current total dots] – [Position H]. Only this model can set up with even number for display area, therefore, the projector add the number +1 as even number data when receiving the odd number data.

2.45. INPUT RESOLUTION - TOTAL LINES

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	44h	4Ch	3Ah
Character		A	D	Z	Z	;	V	D	L	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

Parameters (*1,*2,*3,*4,*5,*6,*7,*8)

	100				101			
Hexadecimal	30h	31h	30h	30h	30h	31h	30h	31h
Character	0	1	0	0	0	1	0	1
	1199				1200			
Hexadecimal	31h	31h	39h	39h	31h	32h	30h	30h
Character	1	1	9	9	1	2	0	0

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	44h	4Ch	3Ah	*1	*3	*5	*7	03h
Character		V	D	L	:	*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE					
x	x	o	o	o					
VIDEO	S-VIDEO	RGB1	RGB2	YP _B PR1	YP _B PR2	DVI	HDMI	SDI	
x	x	o	o	x	x	x	x	x	

Notes:

This sets the display line of computer signal.

The value set with this command cannot be memorized in the projector, therefore, the value will restore when the power is off.

The maximum value is [current total lines] – [Position V].

2.46. CLAMP POSITION

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	4Ch	54h	3Ah
Character		A	D	Z	Z	;	V	L	T	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

Parameters (*1,*2,*3,*4,*5,*6)

	0				1			
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	1
	4094				4095			
Hexadecimal	34h	30h	39h	34h	34h	30h	39h	35h
Character	4	0	9	4	4	0	9	5

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	4Ch	54h	3Ah	*1	*3	*5	*7	03h
Character		V	L	T	:	*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE					
x	x	x	o	x					
VIDEO	S-VIDEO	RGB1	RGB2	YP _B PR1	YP _B PR2	DVI	HDMI	SDI	
x	x	o	o	o	o	x	x	x	

Notes:

This sets the clamp of computer signal.

The value set with this command cannot be memorized in the projector, therefore, the value will restore when the power is off.

2.47. GEOMETRY: KEYSTONE - VERTICAL KEYSTONE

[Absolute assignemnt]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah
Character	A	D	Z	Z	;	V	X	X	:	
Hexadecimal	47h	4Dh	4Bh	49h	31h	3Dh	*1	*3	*5	*7
Character	G	M	K	l	1	=	*2	*4	*6	*8
Hexadecimal	*9	*11	03h							
Character	*10	*12								

Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10,*11,*12)

-80							-79					
Hexadecimal	2Dh	30h	30h	30h	38h	30h	2Dh	30h	30h	30h	37h	39h
Character	-	0	0	0	8	0	-	0	0	0	7	9
79							80					
Hexadecimal	2Bh	30h	30h	30h	37h	39	2Bh	30h	30h	30h	38h	30h
Character	+	0	0	0	7	9	+	0	0	0	8	0

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	58h	58h	3Ah	47h	4Dh	4Bh	49h	31h
Character	V	X	X	:	G	M	K	l	1	
Hexadecimal	3Dh	*1	*3	*5	*7	*9	*11	03h		
Character	=	*2	*4	*6	*8	*10	*12			

[Relative assignemnt]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah
Character	A	D	Z	Z	;	V	X	X	:	
Hexadecimal	47h	4Dh	4Bh	49h	31h	*1	3Dh	*3	*5	*7
Character	G	M	K	l	1	*2	=	*4	*6	*8
Hexadecimal	*9	*11	03h							
Character	*10	*12								

Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10,*11,*12)

+1							+2					
Hexadecimal	2Bh	30h	30h	30h	30h	31h	2Bh	30h	30h	30h	30h	32h
Character	+	0	0	0	0	1	+	0	0	0	0	2
-1							-2					
Hexadecimal	2Dh	30h	30h	30h	30h	31h	2Dh	30h	30h	30h	30h	32h
Character	-	0	0	0	0	1	-	0	0	0	0	2

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	58h	58h	3Ah	47h	4Dh	4Bh	49h	31h
Character	V	X	X	:	G	M	K	l	1	
Hexadecimal	*1	3Dh	*3	*5	*7	*9	*11	03h		
Character	*2	=	*4	*6	*8	*10	*12			

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	o	o	o	o

2.48. GEOMETRY: KEYSTONE – HORIZONTAL KEYSTONE

[Absolute assignemnt]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah
Character	A	D	Z	Z	;	V	X	X	:	
Hexadecimal	47h	4Dh	4Bh	49h	35h	3Dh	*1	*3	*5	*7
Character	G	M	K	l	5	=	*2	*4	*6	*8
Hexadecimal	*9	*11	03h							
Character	*10	*12								

Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10,*11,*12)

-80							-79					
Hexadecimal	2Dh	30h	30h	30h	38h	30h	2Dh	30h	30h	30h	37h	39h
Character	-	0	0	0	8	0	-	0	0	0	7	9
79							80					
Hexadecimal	2Bh	30h	30h	30h	37h	39h	2Bh	30h	30h	30h	38h	30h
Character	+	0	0	0	7	9	+	0	0	0	8	0

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	58h	58h	3Ah	47h	4Dh	4Bh	49h	35h
Character		V	X	X	:	G	M	K	I	5
Hexadecimal	3Dh	*1	*3	*5	*7	*9	*11	03h		
Character	=	*2	*4	*6	*8	*10	*12			

[Relative assignemnt]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah
Character		A	D	Z	Z	;	V	X	X	:
Hexadecimal	47h	4Dh	4Bh	49h	35h	*1	3Dh	*3	*5	*7
Character	G	M	K	I	5	*2	=	*4	*6	*8
Hexadecimal	*9	*11	03h							
Character	*10	*12								

Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10,*11,*12)

	+1						+2					
Hexadecimal	2Bh	30h	30h	30h	30h	31h	2Bh	30h	30h	30h	30h	32h
Character	+	0	0	0	0	1	+	0	0	0	0	2
	-1						-2					
Hexadecimal	2Dh	30h	30h	30h	30h	31h	2Dh	30h	30h	30h	30h	32h
Character	-	0	0	0	0	1	-	0	0	0	0	2

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	58h	58h	3Ah	47h	4Dh	4Bh	49h	35h
Character		V	X	X	:	G	M	K	I	5
Hexadecimal	*1	3Dh	*3	*5	*7	*9	*11	03h		
Character	*2	=	*4	*6	*8	*10	*12			

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.49. DISPLAY LANGUAGE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	4Ch	47h	3Ah
Character		A	D	Z	Z	;	O	L	G	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

Parameters (*1,*2,*3,*4,*5,*6)

	English			German			French		
Hexadecimal	45h	4Eh	47h	44h	45h	55h	46h	52h	41h
Character	E	N	G	D	E	U	F	R	A
	Spanish			Italian			Japanese		
Hexadecimal	45h	53h	50h	49h	54h	41h	4Ah	50h	4Eh
Character	E	S	P	I	T	A	J	P	N
	Chinese			Russian			Korean		
Hexadecimal	43h	48h	49h	52h	55h	53h	4Bh	4Fh	52h
Character	C	H	I	R	U	S	K	O	R
	Portuguese								
Hexadecimal	50h	4Fh	52h						
Character	P	O	R						

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	4Ch	47h	3Ah	*1	*3	*5	03h
Character		O	L	G	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.50. SYSTEM Switching

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	52h	46h	3Ah
Character		A	D	Z	Z	;	O	R	F	:
Hexadecimal	*1	03h								
Character	*2									

Parameters (*1,*2)

	Y _P B _P R / Y _C B _C R
Hexadecimal	31h
Character	1

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	52h	46h	3Ah	*1	03h
Character		O	R	F	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.51. FRAME DELAY

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah
Character		A	D	Z	Z	;	V	X	X	:
Hexadecimal	46h	44h	59h	49h	30h	3Dh	2Bh	*1	*3	*5
Character	F	D	Y	I	0	=	+	*2	*4	*6
Hexadecimal	*7	*9	03h							
Character	*8	*10								

Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	STANDARD					SHORT				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	58h	58h	3Ah	46h	44h	59h	49h	30h
Character		V	X	X	:	F	D	Y	I	0
Hexadecimal	3Dh	2Bh	*1	*3	*5	*7	*9	03h		
Character	=	+	*2	*4	*6	*8	*10			

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.52. EDGE BLENDING

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah
Character		A	D	Z	Z	;	V	X	X	:
Hexadecimal	45h	44h	42h	49h	30h	3Dh	2Bh	*1	*3	*5
Character	E	D	B	I	0	=	+	*2	*4	*6
Hexadecimal	*7	*9	03h							
Character	*8	*10								

Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	OFF					ON				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	58h	58h	3Ah	45h	44h	42h	49h	30h
Character		V	X	X	:	E	D	B	I	0
Hexadecimal	3Dh	2Bh	*1	*3	*5	*7	*9	03h		
Character	=	+	*2	*4	*6	*8	*10			

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.53. SCREEN POSITION VERTICAL

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah
Character		A	D	Z	Z	;	V	X	X	:
Hexadecimal	56h	53h	50h	49h	30h	3Dh	*1	*3	*5	*7
Character	V	S	P	l	0	=	*2	*4	*6	*8
Hexadecimal	*9	*11	03h							
Character	*10	*12								

Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10,*11,*12)

	-15						-14					
Hexadecimal	2Dh	30h	30h	30h	31h	35h	2Dh	30h	30h	30h	31h	34h
Character	—	0	0	0	1	5	—	0	0	0	1	4
	14						15					
Hexadecimal	2Bh	30h	30h	30h	31h	34h	2Bh	30h	30h	30h	31h	35h
Character	+	0	0	0	1	4	+	0	0	0	1	5

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	58h	58h	3Ah	56h	53h	50h	49h	30h
Character		V	X	X	:	V	S	P	l	0
Hexadecimal	3Dh	*1	*3	*5	*7	*9	*11	03h		
Character	=	*2	*4	*6	*8	*10	*12			

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.54. SCREEN POSITION HORIZONTAL

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah
Character		A	D	Z	Z	;	V	X	X	:
Hexadecimal	48h	53h	50h	49h	30h	3Dh	*1	*3	*5	*7
Character	H	S	P	l	0	=	*2	*4	*6	*8
Hexadecimal	*9	*11	03h							
Character	*10	*12								

Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10,*11,*12)

	-15						-14					
Hexadecimal	2Dh	30h	30h	30h	31h	35h	2Dh	30h	30h	30h	31h	34h
Character	—	0	0	0	1	5	—	0	0	0	1	4
	14						15					
Hexadecimal	2Bh	30h	30h	30h	31h	34h	2Bh	30h	30h	30h	31h	35h
Character	+	0	0	0	1	4	+	0	0	0	1	5

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	58h	58h	3Ah	48h	53h	50h	49h	30h
Character		V	X	X	:	H	S	P	l	0
Hexadecimal	3Dh	*1	*3	*5	*7	*9	*11	03h		
Character	=	*2	*4	*6	*8	*10	*12			

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.55. COLOR MATCHING

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah
Character		A	D	Z	Z	;	V	X	X	:
Hexadecimal	44h	4Dh	41h	49h	30h	3Dh	2Bh	*1	*3	*5
Character	C	M	A	l	0	=	+	*2	*4	*6
Hexadecimal	*7	*9	03h							
Character	*8	*10								

Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	OFF					MEASURED				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	34h
Character	0	0	0	0	0	0	0	0	0	4

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	58h	58h	3Ah	44h	4Dh	41h	49h	30h
Character		V	X	X	:	C	M	A	l	0
Hexadecimal	3Dh	2Bh	*1	*3	*5	*7	*9	03h		
Character	=	+	*2	*4	*6	*8	*10			

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.56. DVI EDID

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	45h	44h	3Ah
Character		A	D	Z	Z	;	O	E	D	:
Hexadecimal	*1	03h								
Character	*2									

Parameters (*1,*2)

	EDID1
Hexadecimal	31h
Character	1

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	45h	44h	3Ah	*1	03h
Character		O	E	D	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.57. HDMI

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah
Character		A	D	Z	Z	;	V	X	X	:
Hexadecimal	48h	53h	4Ch	49h	30h	3Dh	2Bh	*1	*3	*5
Character	H	S	L	l	0	=	+	*2	*4	*6
Hexadecimal	*7	*9	03h							
Character	*8	*10								

Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	EXPAND					NORMAL				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	58h	58h	3Ah	48h	53h	4Ch	49h	30h
Character		V	X	X	:	H	S	L	l	0
Hexadecimal	3Dh	2Bh	*1	*3	*5	*7	*9	03h		
Character	=	+	*2	*4	*6	*8	*10			

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	x

2.58. POWER MANAGEMENT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	41h	46h	3Ah
Character		A	D	Z	Z	;	O	A	F	:
Hexadecimal	*1	*3	03h							
Character	*2	*2	l							

Parameters (*1,*2,*3,*4)

	OFF		1 MIN		2 MIN	
Hexadecimal	30h	30h	30h	31h	30h	32h
Character	0	0	0	1	0	2
	28 MIN		29 MIN		30 MIN	
Hexadecimal	32h	38h	32h	39h	33h	30h
Character	2	8	2	9	30	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	44h	41h	46h	3Ah	*1	03h
Character		O	A	F	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.59. STARTUP LOGO

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Dh	4Ch	4Fh	3Ah
Character		A	D	Z	Z	;	M	L	O	:
Hexadecimal	*1	03h								
Character	*2									

Parameters (*1,*2)

	OFF	USER	DEFAULT
Hexadecimal	30h	31h	32h
Character	0	1	2

Response (Callback)

In the period when the command can be accepted

Hexadecimal	al	02h	4Dh	4Ch	4Fh	3Ah	*1	03h
Character			M	L	O	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.60. BACK COLOR

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	42h	43h	3Ah
Character		A	D	Z	Z	;	O	B	C	:
Hexadecimal	*1	03h								
Character	*2									

Parameters (*1,*2)

	BLUE	BLACK	USER
Hexadecimal	30h	31h	32h
Character	0	1	2

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	42h	43h	3Ah	*1	03h
Character		O	B	C	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
x	x	o	o	o

2.61. Query Power

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	50h	57h	03h
Character		A	D	Z	Z	;	Q	P	W	

Response (Callback)

OFF

Hexadecimal	02h	30h	30h	30h	03h
Character		0	0	0	

ON

Hexadecimal	02h	30h	30h	31h	03h
Character		0	0	1	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
o	o	o	o	o

2.62. Query FREEZ

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	46h	5Ah	03h
Character		A	D	Z	Z	;	Q	F	Z	

Response (Callback)

OFF

Hexadecimal	02h	30h	03h
Character		0	

ON

Hexadecimal	02h	31h	03h
Character		1	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
o	o	o	o	o

2.63. Query SHUTTER

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	53h	48h	03h
Character		A	D	Z	Z	;	Q	S	H	

Response (Callback)

OFF

Hexadecimal	02h	30h	03h
Character		0	

ON

Hexadecimal	02h	31h	03h
Character		1	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	○	○	○

2.64. Query INPUT SELECT

[Standrd]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	49h	4Eh	03h
Character		A	D	Z	Z	;	Q	I	N	

Response (Callback)

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Parameters (*1,*2,*3,*4,*5,*6)

	RGB1			RGB2			VIDEO		
Hexadecimal	52h	47h	31h	52h	47h	32h	56h	49h	44h
Character	R	G	1	R	G	2	V	I	D
	S-VIDEO			DVI			HDMI		
Hexadecimal	53h	56h	44h	44h	56h	49h	48h	44h	31h
Character	S	V	D	D	V	I	H	D	1
	Y,Pb/Cb,Pr/Cr			Scart			AV HDCP		
Hexadecimal	52h	47h	32h	53h	43h	54h	44h	56h	49h
Character	R	G	2	S	C	T	D	V	I

[Slot board]

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	49h	4Eh	03h
Character		A	D	Z	Z	;	Q	I	N	
Hexadecimal	20h	41h	55h	*1	2Ch	*3	*5	*7	03h	
Character		A	U	*2	.	*4	*6	*8		

Response (Callback)

Hexadecimal	02h	41h	55h	*1	2Ch	*3	*5	*7	03h
Character		A	U	*2	.	*4	*6	*8	

Parameters (*1,*2,*3,*4,*5,*6,*7,*8)

	INPUT3 BNC_RGB				INPUT4 BNC_RGB			
Hexadecimal	31h	52h	47h	31h	31h	52h	47h	31h
Character	1	R	G	1	2	R	G	1
	INPUT3 BNC_YUV				INPUT4 BNC_YUV			
Hexadecimal	31h	52h	47h	31h	31h	52h	47h	31h
Character	1	R	G	1	2	R	G	1
	INPUT3 BNC_Video				INPUT4 BNC_Video			
Hexadecimal	31h	56h	49h	44h	31h	56h	49h	44h
Character	1	V	I	D	2	V	I	D
	INPUT3 BNC_S-video				INPUT4 BNC_S-video			
Hexadecimal	31h	53h	56h	44h	31h	53h	56h	44h
Character	1	S	V	D	2	S	V	D
	INPUT3 DVI_PC-Analog				INPUT4 DVI_PC-Analog			
Hexadecimal	31h	52h	47h	32h	31h	52h	47h	32h
Character	1	R	G	2	2	R	G	2
	INPUT3 DVI_Scart				INPUT4 DVI_Scart			
Hexadecimal	31h	53h	43h	54h	31h	53h	43h	54h
Character	1	S	C	T	2	S	C	T
	INPUT3 DVI_PC-Digital				INPUT4 DVI_PC-Digital			
Hexadecimal	31h	44h	56h	49h	31h	44h	56h	49h
Character	1	D	V	I	2	D	V	I
	INPUT3 DVI_AV HDCP				INPUT4 DVI_AV HDCP			
Hexadecimal	31h	44h	56h	49h	31h	44h	56h	49h
Character	1	D	V	I	2	D	V	I
	INPUT3 Dual-SDI_SD11				INPUT4 Dual-SDI_SD11			
Hexadecimal	31h	53h	44h	31h	31h	53h	44h	31h
Character	1	S	D	1	2	S	D	1
	INPUT3 Dual-SDI_SD12				INPUT4 Dual-SDI_SD12			
Hexadecimal	31h	53h	44h	32h	31h	53h	44h	32h
Character	1	S	D	2	2	S	D	2

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
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○	○	○	○	○
---	---	---	---	---

2.65. Query TEST PATTERN

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	54h	53h	03h
Character		A	D	Z	Z	;	Q	T	S	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	03h
Character		*2	*4	

Parameters (*1,*2,*3,*4)

	OFF		White		Black		Color bar(V)	
Hexadecimal	30h	30h	30h	31h	30h	32h	30h	38h
Character	0	0	0	1	0	2	0	8
	16-Step Gray scale (W→B)		16-Step Gray scale (W←B)		16-Step Gray scale (W↓B)		16-Step Gray scale (W↑B)	
Hexadecimal	36h	30h	36h	31h	36h	32h	36h	33h
Character	6	0	6	1	6	2	6	3
	Cross (H16 x V12)							
Hexadecimal	36h	34h						
Character	6	4						

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	○	○	○

2.66. Query INSTALLATION

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	53h	50h	03h
Character		A	D	Z	Z	;	Q	S	P	

Response (Callback)

FRONT / FLOOR

Hexadecimal	02h	30h	03h
Character		0	

REAR / FLOOR

Hexadecimal	02h	31h	03h
Character		1	

FRONT / CEILING

Hexadecimal	02h	32h	03h
Character		2	

REAR / CEILING

Hexadecimal	02h	33h	03h
Character		3	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	○	○	○

2.67. Query FAN CONTROL

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	46h	4Dh	03h
Character		A	D	Z	Z	;	Q	F	M	

Response

NORMAL

Hexadecimal	02h	30h	03h
Character		0	

HIGH

Hexadecimal	02h	31h	03h
Character		1	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	○	○	○

2.68. Query PROJECTOR ROUTINE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	53h	54h	03h
Character		A	D	Z	Z	;	Q	S	T	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	*9	03h
Character		*2	*4	*6	*8	*10	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
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○	○	○	○	○						
Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)										
	0h					1h				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1
	99998h					99999h				
Hexadecimal	39h	39h	39h	39h	38h	39h	39h	39h	39h	39h
Character	9	9	9	9	8	9	9	9	9	9

2.69. Query LAMP 1 RUNTIME

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	24h	4Ch	3Ah
Character		A	D	Z	Z	;	Q	\$	L	:
Hexadecimal	31h	03h								
Character	1									

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	○	○	○

Parameters (*1,*2,*3,*4,*5,*6,*7,*8)

Answered time = (LAMP RUNTIME in Normal and Auto) + ((LAMP RUNTIME in Eco1 and Eco2) × 2÷3)

	0 h				1 h			
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	1
	9998 h				9999 h			
Hexadecimal	39h	39h	39h	38h	39h	39h	39h	39h
Character	9	9	9	8	9	9	9	9

2.70. Query LAMP2 RUNTIME

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	24h	4Ch	3Ah
Character		A	D	Z	Z	;	Q	\$	L	:
Hexadecimal	32h	03h								
Character	2									

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	○	○	○

Parameters (*1,*2,*3,*4,*5,*6,*7,*8)

Answered time = (LAMP RUNTIME in Normal and Auto) + ((LAMP RUNTIME in Eco1 and Eco2) × 2÷3)

	0 h				1 h			
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	1
	9998 h				9999 h			
Hexadecimal	39h	39h	39h	38h	39h	39h	39h	39h
Character	9	9	9	8	9	9	9	9

2.71. Query LAMP SELECT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	53h	4Ch	03h
Character		A	D	Z	Z	;	Q	S	L	

Response (Callback)

DUAL

Hexadecimal	02h	30h	03h
Character		0	

SIGNLE

Hexadecimal	02h	31h	03h
Character		1	

LAMP1

Hexadecimal	02h	32h	03h
Character		2	

LAMP2

Hexadecimal	02h	33h	03h
Character		3	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	○	○	○

2.72. Query POWER Status

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	24h	53h	03h
Character		A	D	Z	Z	;	Q	\$	S	

Response (Callback)

STANDBY

Hexadecimal	02h	30h	03h
Character		0	

COUNTDOWN

Hexadecimal	02h	31h	03h
Character		1	

POWER ONN

Hexadecimal	02h	32h	03h
Character		2	

COOLING

Hexadecimal	02h	33h	03h
Character		3	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	○	○	○

2.73. Query LAMP POWER

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Ch	50h	03h
Character		A	D	Z	Z	;	Q	L	P	

Response (Callback)

NORMAL

Hexadecimal	02h	30h	03h
Character		0	

AUTO

Hexadecimal	02h	31h	03h
Character		1	

ECO1

Hexadecimal	02h	33h	03h
Character		3	

ECO2

Hexadecimal	02h	34h	03h
Character		4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	○	○	○

2.74. Query LAMP Status

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Ch	53h	03h
Character		A	D	Z	Z	;	Q	L	S	

Response (Callback)

Lamp1 OFF, Lamp2 OFF

Hexadecimal	02h	30h	03h
Character		0	

Lamp1 ON, Lamp2 ON

Hexadecimal	02h	31h	03h
Character		1	

Lamp1 OFF, Lamp2 ON

Hexadecimal	02h	32h	03h
Character		2	

Lamp1 ON, Lamp2 OFF

Hexadecimal	02h	33h	03h
Character		3	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	○	○	○

2.75. Query PICTURE MODE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	50h	4Dh	03h
Character		A	D	Z	Z	;	Q	P	M	

[Except Image 10]

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	○	○	○

Parameters (*1,*2,*3,*4,*5,*6)

	Standard			Dynamic			Cinema		
Hexadecimal	53h	54h	44h	44h	59h	4Eh	43h	49h	4Eh
Character	S	T	D	D	Y	N	C	I	N
	Real			Image 1			Image 2		
Hexadecimal	52h	45h	41h	49h	4Dh	31h	49h	4Dh	32h
Character	R	E	A	I	M	1	I	M	2
	Image 3			Image 4			Image 5		
Hexadecimal	49h	4Dh	33h	49h	4Dh	34h	49h	4Dh	35h
Character	I	M	3	I	M	4	I	M	5
	Image 6			Image 7			Image 8		
Hexadecimal	49h	4Dh	36h	49h	4Dh	37h	49h	4Dh	38h
Character	I	M	6	I	M	7	I	M	8
	Image 9								
Hexadecimal	49h	4Dh	39h						
Character	I	M	9						

[Image 10]

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	○	○	○

Parameters (*1,*2,*3,*4,*5,*6,*7,*8)

	Image 10			
Hexadecimal	49h	4Dh	31h	30h
Character	I	M	1	0

2.76. Query COLOR

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	43h	03h
Character		A	D	Z	Z	;	Q	V	C	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	x	○	○

Parameters (*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

Note

If input signal is for computer, ER401 is returned.

2.77. Query TINT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	54h	03h
Character		A	D	Z	Z	;	Q	V	T	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	×	○	○

Parameters (*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

Note

If input signal is for computer, PAL, PAL-M/N or SECAM, ER401 is returned.

2.78. Query COLOR TEMPERATURE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	54h	45h	03h
Character		A	D	Z	Z	;	Q	T	E	

Response (Callback)

XLow

Hexadecimal	02h	31h	31h	03h
Character		1	1	

Low

Hexadecimal	02h	31h	03h
Character		1	

Mid

Hexadecimal	02h	32h	03h
Character		2	

High.

Hexadecimal	02h	33h	03h
Character		3	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	○	○	○

2.79. Query WHITE BALANCE LOW - RED

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Fh	52h	03h
Character		A	D	Z	Z	;	Q	O	R	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	○	○	○

Parameters (*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

2.80. Query WHITE BALANCE LOW - GREEN

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Fh	47h	03h
Character		A	D	Z	Z	;	Q	O	G	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	○	○	○

Parameters (*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

2.81. Query WHITE BALANCE LOW - BLUE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Fh	42h	03h
Character		A	D	Z	Z	;	Q	O	B	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	○	○	○

Parameters (*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

2.82. Query WHITE BALANCE HIGH - RED

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	48h	52h	03h
Character		A	D	Z	Z	;	Q	H	R	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	○	○	○

Parameters (*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

2.83. Query WHITE BALANCE HIGH - GREEN

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	48h	47h	03h
Character		A	D	Z	Z	;	Q	H	G	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	○	○	○

Parameters (*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

2.84. Query WHITE BALANCE HIGH - BULE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	48h	42h	03h
Character		A	D	Z	Z	;	Q	H	B	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Parameters (*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

2.85. Query CONTRAST

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	52h	03h
Character		A	D	Z	Z	;	Q	V	R	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Parameters (*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

2.86. Query BRIGHTNESS

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	42h	03h
Character		A	D	Z	Z	;	Q	V	B	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Parameters (*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

2.87. Query GAMMA

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	47h	42h	03h
Character		A	D	Z	Z	;	Q	G	A	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	○	○	○

Parameters (*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	29			30			31		
Hexadecimal	30h	32h	39h	30h	33h	30h	30h	33h	31h
Character	0	2	9	0	3	0	0	3	1

2.88. Query SHARPNESS

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	53h	03h
Character		A	D	Z	Z	;	Q	V	S	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	○	○	○

Parameters (*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	13			14			15		
Hexadecimal	30h	31h	33h	30h	31h	34h	30h	31h	35h
Character	0	1	3	0	1	4	0	1	5

2.89. Query NOISE REDUCTION

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Eh	53h	03h
Character		A	D	Z	Z	;	Q	N	S	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	×	×	○	○

Parameters (*1,*2)

	OFF	ON
Hexadecimal	30h	31h
Character	0	1

2.90. Query PROGRESSIVE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	50h	44h	03h
Character		A	D	Z	Z	;	Q	P	D	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	×	×	○	○

Parameters (*1,*2)

	FILM	OFF	ON
Hexadecimal	30h	31h	32h
Character	0	1	2

2.91. Query TV - SYSTEM

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	53h	47h	03h
Character		A	D	Z	Z	;	Q	S	G	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	×	○	○	○

Parameters (*1,*2,*3,*4,*5,*6)

	AUTO			NTSC			NTSC4.43		
Hexadecimal	41h	54h	31h	4Eh	54h	53h	4Eh	34h	34h
Character	A	T	1	N	T	S	N	4	4
	PAL			PAL-M			PAL-N		
Hexadecimal	50h	41h	4Ch	50h	41h	4Dh	50h	41h	4Eh
Character	P	A	L	P	A	M	P	A	N
	SECAM								
Hexadecimal	53h	45h	43h						
Character	S	E	C						

2.92. Query SHIFT HORIZONTAL

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	54h	48h	03h
Character		A	D	Z	Z	;	Q	T	H	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	×	×	○	○

Parameters (*1,*2,*3,*4,*5,*6,*7,*8)

	0				1				2			
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	31h	30h	30h	30h	32h
Character	0	0	0	0	0	0	0	1	0	0	0	2
	4093				4094				4095			
Hexadecimal	34h	30h	39h	33h	34h	30h	39h	34h	34h	30h	39h	35h
Character	4	0	9	3	4	0	9	4	4	0	9	5

Note:

If input signal is not RGB (PC analog), ER401 is returned.

2.93. Query SHIFT VERTICAL

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	54h	56h	03h
Character		A	D	Z	Z	;	Q	T	V	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	×	×	○	○

Parameters (*1,*2,*3,*4,*5,*6,*7,*8)

	1				2				3			
Hexadecimal	30h	30h	30h	31h	30h	30h	30h	32h	30h	30h	30h	33h
Character	0	0	0	1	0	0	0	2	0	0	0	3
	4092				4093				4094			
Hexadecimal	34h	30h	39h	32h	34h	30h	39h	33h	34h	30h	39h	34h
Character	4	0	9	2	4	0	9	3	4	0	9	4

Note:

If input signal is not RGB (PC analog), ER401 is returned.

2.94. Query ASPECT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	53h	45h	03h
Character		A	D	Z	Z	;	Q	S	E	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	03h
Character		*2	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	×	×	○	○

Parameters (*1,*2,*3,*4)

Input terminal: VIDEO

	NORMAL	WIDE	FULL	ZOOM	CUSTOM
Hexadecimal	30h	32h	36h	34h 30h	35h 30h
Character	0	1	6	4 0	5 0

Input terminal: Computer

	NORMAL	WIDE	REAL	FULL	ZOOM
Hexadecimal	30h	32h	35h	36h	34h 30h
Character	0	2	5	6	4 0
	CUSTOM				
Hexadecimal	35h 30h				
Character	5 0				

2.95. Query CLOCK PHASE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	43h	50h	03h
Character		A	D	Z	Z	;	Q	C	P	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE				
○	×	×	○	○				
VIDEO	S-VIDEO	RGB1	RGB2	YP _B P _R 1	YP _B P _R 2	DVI	HDMI	SDI
×	×	○	○	○	○	×	×	×

Parameters (*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	29			30			31		
Hexadecimal	30h	32h	39h	30h	33h	30h	30h	33h	31h
Character	0	3	9	0	3	0	0	3	1

Note:

If input signal is not RGB (PC analog), ER401 is returned.

2.96. Query INPUT RESOLUTION – TOTAL DOTS

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	54h	44h	03h
Character		A	D	Z	Z	;	Q	T	D	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE				
○	×	×	○	○				
VIDEO	S-VIDEO	RGB1	RGB2	YP _B P _R 1	YP _B P _R 2	DVI	HDMI	SDI
×	×	○	○	×	×	×	×	×

Parameters (*1,*2,*3,*4,*5,*6,*7,*8)

	330				331			
Hexadecimal	30h	33h	33h	30h	30h	33h	33h	31h
Character	0	3	3	0	0	3	3	1
	4095				4096			
Hexadecimal	34h	30h	39h	35h	34h	30h	39h	36h
Character	4	0	9	5	4	0	9	6

Note:

If input signal is not RGB (PC analog), ER401 is returned.

2.97. Query INPUT RESOLUTION – DISPLAY DOTS

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	44h	44h	03h
Character		A	D	Z	Z	;	Q	D	D	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE						
○	×	×	○	○						
VIDEO	S-VIDEO	RGB1	RGB2	YP _B PR1	YP _B PR2	DVI	HDMI	SDI		
×	×	○	○	×	×	×	×	×		

Parameters (*1,*2,*3,*4,*5,*6,*7,*8)

	256				257			
Hexadecimal	30h	32h	35h	36h	30h	32h	35h	37h
Character	0	2	5	6	0	2	5	7
	2065				2066			
Hexadecimal	32h	30h	36h	35h	32h	30h	36h	36h
Character	2	0	6	5	2	0	6	6

Note:

If input signal is not RGB (PC analog), ER401 is returned.

2.98. Query INPUT RESOLUTION - DISPLAY LINES

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	44h	4Ch	03h
Character		A	D	Z	Z	;	Q	D	L	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE					
○	×	×	○	○					
VIDEO	S-VIDEO	RGB1	RGB2	YP _B PR1	YP _B PR2	DVI	HDMI	SDI	
×	×	○	○	×	×	×	×	×	

Parameters (*1,*2,*3,*4,*5,*6,*7,*8)

	100				101			
Hexadecimal	30h	31h	30h	30h	30h	31h	30h	31h
Character	0	1	0	0	0	1	0	1
	1199				1200			
Hexadecimal	31h	31h	39h	39h	31h	32h	30h	30h
Character	1	1	9	9	1	2	0	0

Note:

If input signal is not RGB (PC analog), ER401 is returned.

2.99. Query FRAME DELAY

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	46h	44h	59h	49h	30h	03h				
Character	F	D	Y	I	0					

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	46h	44h	59h	49h	30h	3Dh	2Bh
Character		F	D	Y	I	0	=	+
Hexadecimal	*1	*3	*5	*7	*9	03h		
Character	*2	*4	*6	*8	*10			

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	○	○	○

Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	OFF					LOW				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1
	MID					HIGH				
Hexadecimal	30h	30h	30h	30h	32h	30h	30h	30h	30h	33h
Character	0	0	0	0	2	0	0	0	0	3

2.100. Query EDGE BLENDING

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	45h	44h	42h	49h	30h	03h				
Character	E	D	B	I	0					

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	45h	44h	42h	49h	30h	3Dh	2Bh
Character		E	D	B	I	0	=	+
Hexadecimal	*1	*3	*5	*7	*9	03h		
Character	*2	*4	*6	*8	*10			

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	×	○	○	○

Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	OFF					ON				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1

2.101. Query COLOR MATCHING

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	43h	4D4h	41h	49h	30h	03h				
Character	C	M	A	I	0					

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	43h	4D4h	41h	49h	30h	3Dh	2Bh
Character		C	M	A	I	0	=	+
Hexadecimal	*1	*3	*5	*7	*9	03h		
Character	*2	*4	*6	*8	*10			

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	○	○	○

Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	OFF					MEASURED				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	34h
Character	0	0	0	0	0	0	0	0	0	4

2.102. Query CLAMP POSITION

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Ch	54h	03h
Character		A	D	Z	Z	;	Q	L	T	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE				
○	×	×	○	○				
VIDEO	S-VIDEO	RGB1	RGB2	Y _B P _R 1	Y _B P _R 2	DVI	HDMI	SDI
×	×	○	○	○	○	×	×	×

Parameter (*1,*2,*3,*4,*5,*6)

	0				1			
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	1
	4094				4095			
Hexadecimal	34h	30h	39h	34h	34h	30h	39h	35h
Character	4	0	9	4	4	0	9	5

Note:

If input signal is not RGB (PC analog), ER401 is returned.

2.103. Query GEOMETRY: KEYSTONE - VERTICAL KEYSTONE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	47h	4Dh	4Bh	49h	31h	03h				
Character	G	M	K	I	1					

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	47h	4Dh	4Bh	49h	31h	3Dh	*1	*3	*5
Character		G	M	K	I	1	=	*2	*4	*6
Hexadecimal	*7	*9	*11	03h						
Character	*8	*10	*12							

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10,*11,*12)

	-80						-79					
Hexadecimal	2Dh	30h	30h	30h	38h	30h	2Dh	30h	30h	30h	37h	39h
Character	-	0	0	0	8	0	-	0	0	0	7	9
	79						80					
Hexadecimal	2Bh	30h	30h	30h	37h	39h	2Bh	30h	30h	30h	38h	30h
Character	+	0	0	0	7	9	+	0	0	0	8	0

2.104. Query GEOMETRY: KEYSTONE - HORIZONTAL KEYSTONE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	47h	4Dh	4Bh	49h	35h	03h				
Character	G	M	K	I	5					

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	47h	4Dh	4Bh	49h	35h	3Dh	*1	*3	*5
Character		G	M	K	I	5	=	*2	*4	*6
Hexadecimal	*7	*9	*11	03h						
Character	*8	*10	*12							

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10,*11,*12)

	-80						-79					
Hexadecimal	2Dh	30h	30h	30h	38h	30h	2Dh	30h	30h	30h	37h	39h
Character	-	0	0	0	8	0	-	0	0	0	7	9
	79						80					
Hexadecimal	2Bh	30h	30h	30h	37h	39h	2Bh	30h	30h	30h	38h	30h
Character	+	0	0	0	7	9	+	0	0	0	8	0

2.105. Query DISPLAY LANGUAGE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Ch	47h	03h
Character		A	D	Z	Z	;	Q	L	G	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Parameters (*1,*2,*3,*4,*5,*6)

	English			German			French		
Hexadecimal	45h	4Eh	47h	44h	45h	55h	46h	52h	41h
Character	E	N	G	D	E	U	F	R	A
	Spanish			Italian			Japanese		
Hexadecimal	45h	53h	50h	49h	54h	41h	4Ah	50h	4Eh
Character	E	S	P	I	T	A	J	P	N
	Chinese			Russian			Korean		
Hexadecimal	43h	48h	49h	52h	55h	53h	4Bh	4Fh	52h
Character	C	H	I	R	U	S	K	O	R
	Portuguese								
Hexadecimal	50h	4Fh	52h						
Character	P	O	R						

2.106. Query SCREEN POSITION Vertical

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	56h	53h	50h	49h	30h	03h				
Character	V	S	P	I	0					

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	53h	50h	49h	30h	3Dh	*1	*3	*5
Character		V	S	P	I	0	=	*2	*4	*6
Hexadecimal	*7	*9	*11	03h						
Character	*8	*10	*12							

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
o	x	x	o	o

Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10,*11,*12)

	-15						-14					
Hexadecimal	2Dh	30h	30h	30h	31h	35h	2Dh	30h	30h	30h	31h	34h
Character	-	0	0	0	1	5	-	0	0	0	1	4
	14						15					
Hexadecimal	2Bh	30h	30h	30h	31h	34h	2Bh	30h	30h	30h	31h	35h
Character	+	0	0	0	1	4	+	0	0	0	1	5

Note:

If screen mode is not CUSTOM, ER401 is returned.

2.107. Query SCREEN POSITION Horizontal

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	48h	53h	50h	49h	30h	03h				
Character	H	S	P	I	0					

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	48h	53h	50h	49h	30h	3Dh	*1	*3	*5
Character		H	S	P	I	0	=	*2	*4	*6
Hexadecimal	*7	*9	*11	03h						
Character	*8	*10	*12							

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
o	x	o	o	o

Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10,*11,*12)

	-15						-14					
Hexadecimal	2Dh	30h	30h	30h	31h	35h	2Dh	30h	30h	30h	31h	34h
Character	-	0	0	0	1	5	-	0	0	0	1	4
	14						15					
Hexadecimal	2Bh	30h	30h	30h	31h	34h	2Bh	30h	30h	30h	31h	35h
Character	+	0	0	0	1	4	+	0	0	0	1	5

Note:

If screen mode is not CUSTOM, ER401 is returned.

2.108. Query Temperature

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	54h	4Dh	3Ah
Character		A	D	Z	Z	;	Q	T	M	:
Hexadecimal	*1	03h								
Character	*2									

Parameters (*1,*2)

	INTAKE AIR TEMP.	OPTICS MODULE TEMP.
Hexadecimal	30h	32h
Character	0	2

Response (Callback)

For -20 degrees Celsius

	Celsius					Fahrenheit					
Hexadecimal	02h	2Dh	30h	32h	30h	2Fh	2Dh	30h	30h	34h	03h
Character		-	0	2	0	/	-	0	0	4	

For 120 degrees Celsius

	Celsius					Fahrenheit					
Hexadecimal	02h	30h	31h	32h	30h	2Fh	30h	32h	34h	38h	03h
Character		0	1	2	0	/	0	2	4	8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
o	o	o	o	o

2.109. Query Model (Series) Name

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	49h	44h	03h
Character		A	D	Z	Z	;	Q	I	D	

Response (Callback)

In the period when the command can be accepted

PT-EX12K

Hexadecimal	02h	45h	58h	31h	32h	4Bh	03h
Character		E	X	1	2	K	

PT-EX12KU

Hexadecimal	02h	45h	58h	31h	32h	4Bh	55h	03h
Character		E	X	1	2	K	U	

PT-EX12KE/PT-EX12KEJ

Hexadecimal	02h	45h	58h	31h	32h	4Bh	45h	03h
Character		E	X	1	2	K	E	

PT-SLX12KC

Hexadecimal	02h	53h	4Ch	58h	31h	32h	4Bh	43h	03h
Character		S	L	X	1	2	K	C	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

2.110. Query System Setting

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	52h	46h	03h
Character		A	D	Z	Z	;	Q	R	F	

Response (Callback)

RGB

Hexadecimal	02h	30h	03h
Character		0	

YP_BPr/YC_BCr

Hexadecimal	02h	31h	03h
Character		1	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Note:

This command is only effective when input signal is RGB or Y,Yb/Cb, Pr/Cr. In other cases, ER401 is returned.

2.111. Query DVI EDID

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	45h	44h	03h
Character		A	D	Z	Z	;	Q	E	D	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Parameters (*1,*2)

	EDID1(AV HDCP)	EDID2(PC digital)
Hexadecimal	31h	32h
Character	1	2

Note:

This command is only effective when input signal at DVI is RGB(AV HDCP) or RGB(PC digital).

2.112. Query HDMI SIGNAL LEVEL

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	48h	53h	4Ch	49h	30h	03h				
Character	H	S	L	I	O					

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	48h	53h	4Ch	49h	30h	3Dh	2Bh
Character		H	S	L	I	O	=	+
Hexadecimal	*1	*3	*5	*7	*9	03h		
Character	*2	*4	*6	*8	*10			

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	EXPAND					NORMAL				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1

2.113. Query POWER MANAGAMENT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	41h	46h	03h
Character		A	D	Z	Z	;	Q	A	F	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	03h
Character		*2	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Parameters (*1,*2,*3,*4)

	OFF		1 Min.		2 Min.	
Hexadecimal	30h	30h	30h	31h	30h	32h
Character	0	0	0	1	0	2
	28 Min.		29 Min.		30 Min.	
Hexadecimal	32h	38h	32h	39h	33h	30h
Character	2	8	2	9	3	0

2.114. Query STRATUP LOGO

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Ch	4Fh	03h
Character		A	D	Z	Z	;	Q	L	O	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Parameters (*1,*2)

	OFF	USER	DEFAULT
Hexadecimal	30h	31h	32h
Character	0	1	2

2.115. Query BACKGROUND

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	42h	43h	03h
Character		A	D	Z	Z	;	Q	B	C	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Parameters (*1,*2)

	BLUE	BLACK	USER
Hexadecimal	30h	31h	32h
Character	0	1	2

2.116. Query SERIAL NUMBER

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	53h	4Eh	03h
Character		A	D	Z	Z	;	Q	S	N	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	~	*15	*17	03h
Character		*2	*4		*16	*18	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	○	○	○

Parameters (*1,*2,*3,*4 ~*15,*16,*17,*18)

The set serial number is returned.

Example: Serial number unsetting

Hexadecimal	02h	03h
Character		

Example: When SW0101234 is set to the serial number

Hexadecimal	02h	53h	57h	30h	31h	30h	31h	32h	33h	34h	03h
Character		S	W	0	1	0	1	2	3	4	

2.117. Query FILTER INFORMATION

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	45h	49h	3Ah
Character		A	D	Z	Z	;	Q	F	I	:

Hexadecimal	*1	03h
Character	*2	

Parameters (*1,*2)

	Filter kind	Remaining percentage
Hexadecimal	32h	36h
Character	2	6

Response (Callback)

Query Remaining percentage (QFI: 6)

Hexadecimal	02h	*3	*5	*7	03h
Character		*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	○	○	○

Parameters (*3,*4,*5,*6,*7,*8)

Query Remaining percentage (QFI: 6)

	0			1			2		
Hexadecimal	20h	20h	30h	20h	20h	31h	20h	02h	32h
Character			0			1			2
	98			99			100		
Hexadecimal	20h	39h	38h	20h	39h	39h	31h	30h	30h
Character		9	8		9	9	1	0	0

2.118. Query STANDBY MODE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:

Hexadecimal	53h	54h	4Dh	49h	30h	03h
Character	S	T	M	I	0	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	53h	54h	4Dh	49h	30h	3Dh	2Bh	*1	*3
Character		S	T	M	I	0	=	+	*2	*4

Hexadecimal	*5	*7	*9	03h
Character	*6	*8	*10	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	○	○	○

Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10)

	NORMAL				
Hexadecimal	30h	30h	30h	30h	30h
Character	0	0	0	0	0

2.119. Query MAIN VERSION

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:

Hexadecimal	53h	56h	52h	53h	30h	03h
Character	S	V	R	S	0	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	53h	54h	4Dh	49h	30h	3Dh	*1	*3	*5
Character		S	T	M	I	0	=	*2	*4	*6
Hexadecimal	*7	*9	*11	*13	*15	03h				
Character	*8	*10	*12	*14	*16					

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	○	○	○

Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10,*11,*12,*13,*14,*15,*16)

Example: When the main CPU software version is 1.00

Hexadecimal	31h	2Eh	30h	30h
Character	1	.	0	0

Note:

- Software version responses in variable length.

2.120. Query NETWORK VERSION

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	53h	56h	52h	53h	31h	03h				
Character	S	V	R	S	1					

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	53h	54h	4Dh	49h	31h	3Dh	*1	*3	*5
Character		S	T	M	I	1	=	*2	*4	*6
Hexadecimal	*7	*9	*11	*13	*15	03h				
Character	*8	*10	*12	*14	*16					

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	○	○	○

Parameters (*1,*2,*3,*4,*5,*6,*7,*8,*9,*10,*11,*12)

Example: When the network CPU software is 1.00

Hexadecimal	31h	2Eh	30h	30h
Character	1	.	0	0

Note:

- Software version responses in variable length.

3. Extended Control Command

Start (STX)	ID	Command	Parameters	END (ETX)
1 byte	1 byte	1 byte or 2 byte	Undefined length	1 byte

ID of the extended control command

ID	Hexadecimal (1 byte)	ID	Hexadecimal (1 byte)	ID	Hexadecimal (1 byte)	ID	Hexadecimal (1 byte)
ID ALL	00	ID17	11	ID34	22	ID51	33
ID1	01	ID18	12	ID35	23	ID52	34
ID2	02	ID19	13	ID36	24	ID53	35
ID3	03	ID20	14	ID37	25	ID54	36
ID4	04	ID21	15	ID38	26	ID55	37
ID5	05	ID22	16	ID39	27	ID56	38
ID6	06	ID23	17	ID40	28	ID57	39
ID7	07	ID24	18	ID41	29	ID58	3A
ID8	08	ID25	19	ID42	2A	ID59	3B
ID9	09	ID26	1A	ID43	2B	ID60	3C
ID10	0A	ID27	1B	ID44	2C	ID61	3D
ID11	0B	ID28	1C	ID45	2D	ID62	3E
ID12	0C	ID29	1D	ID46	2E	ID63	3F
ID13	0D	ID30	1E	ID47	2F	ID64	40
ID14	0E	ID31	1F	ID48	30		
ID15	0F	ID32	20	ID49	31		
ID16	10	ID33	21	ID50	32		

3.1. Lens Control

Hexadecimal	02h	*1	B1h	7Ch	*2	*3	*4	03h
Remarks	STX	ID	Command		Parameters			ETX

Parameters (*2)

	LENS SHIFT H	LENS SHIFT V	LENS FOCUS	LENS ZOOM
Hexadecimal	00h	01h	02h	03h

Parameters (*3)

	Slowly	Normal	Fast	HOME POSITION*
Hexadecimal	00h	01h	02h	80h

Parameters (*4)

	Right / Up/ Forward/ In / Cancel	Left / Down / Backward / Out/ Start
Hexadecimal	00h	01h

Response (Callback)

Hexadecimal	02h	*5	B3h	7Ch	*2	*3	*4	03h
	STX	ID	Callback		Parameters			ETX

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	×	○	×	○

Note:

- HOEM POSITION is available only when parameters (2*) is LENS SHIFT H (00h) or LENS SHIFT V (01h)
- At the SECURITY or STNDBY mode, projector accepts this command but will not operate actually.

3.2. SELF CHECK Information

Hexadecimal	02h	*1	FEh	03h
Remarks	STX	ID	Command	ETX

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	FEh	*2	*3	*4	*5	*6	*7	*8	*9	03h
	STX	ID		Parameter1				Parameter2				ETX

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE
○	○	○	○	○

Parameters 1-4(*2,*3,*4,*5,*6,*7,*8,*9)

	*2				*3				*4			
Bit	63			56	55			48	47			40
	*5				*6				*7			
Bit	39			32	31			24	23			16
	*8				*9							
Bit	15			8	7			0				

Bit	Name	Description	Condition of Clear Bit
Bit2	Lamp1 failure	Lamp1 failuer after turning the Lamp1 on.	Lamp 1 turning on
Bit3	Lamp2 failure	Lamp2 failure after tuning the Lamp2 on.	Lamp 2 tuning on
Bit4	Lamp1 failure	Lamp1 failure when turning the Lamp1 on	Lamp 1 turning on
Bit5	Lamp2 failuere	Lamp2 failure when tuning the Lamp2 on	Lamp 2 tuning on
Bit6	Panel Intake Fan Error	Panel Intake Fan Failure occurs	Main power on
Bit7	Power Intale/Exhaust Fan Error	Power Intake/Exhaust Fan Failure occurs.	Main power on
Bit8	Lamp,MirrornExhaust Fan Error	Lamp, Mirror Exhaust Fan Failure occurs	Main power on
Bit9	Lamp1 Intake Fan Error	Lamp1 Intake Fan Failure occurs	Main power on
Bit10	Lamp2 Intake Fan Error	Lamp2 Intake Fan Failure ocures	Main power on
Bit11	PBS Intake Fan Error	PBS Intake Fan Failuerr occurs	Main power on
Bit24	Ballast1 Communication Error	Ballast1 Communication Error ocures	Lamp1 on success
Bit25	Ballast2 Communication Error	Ballast2 Communication Error occurs	Lamp2 on success
Bit30	Network Communication Error	Network Error occurs	Main power on
Bit31	FPGA Configuration Error	Detects the error status of FPGA configuration	Main power on
Bit33	Lamp Cover Error	Detects the open status of Lamp Cover	Main power on
Bit37	Filter Error	The wind sensor detects abnormal air flow..	Resetting the Filter counter
Bit45	Intake Temp Waringig	Temperature of Intake air exceeds a warning temperature	Temperature decreases less than warning temp. Power on
Bit46	LCD Panel Temp Warning	Surrounding temperature of LCD Panel exceeds a warning temperature	Temperature decreases less than warning temp. Maon -power on
Bit52	Shutter Error	Shutter does not word properly	Main power on Shutter operation at the power on
Bit54	Lamp1 Error	Lamp1 failed turning on Lamp1 failed Communication error occurs on Ballast1	Lamp1 on success
Bit55	Lamp2 Error	Lamp2 failed turning on Lamp2 failed Communication error occurs on Ballast2	Lamp2 on success
Bit56	Lamp1 Time Error	Lamp1 runtime becomes over 2000h	Lamp1 replaced
Bit57	Lamp2 Time Error	Lamp2 runtime becomes over 2000h	Lamp2 replaced
Bit60	Intake Temp Error	Intake air temperature exceeds a warning temperature	Main power on
Bit61	LCD Temp Error	Surrounding temperature of LCE panel exceed a warning temperature	Main power on
Bit62	Fan Error	Any of the Fans has an error, see also Bit6 to 11	Main power on

Bit63	Internal Error	FPGA Configuration Error Network Error, see Bit 30 to 31	Main power on
-------	----------------	-------------------------------------------------------------	---------------