Panasonic Projector RS-232C Control Specifications

PT-DW5100/D5700/D4000

1.Basic Format

Transmission from the computer begins with STX, then the ID, command, parameter, and ETX are sent in this 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 parameters)

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 (with subcommand)

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

■Operation

Specifies the method of processing the value specified by parameters.

Code	Description
=	Sets the value specified by the parameter.
_ (underbar)	Adds the value specified by the parameter 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.

■Parameters

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

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

ID of the basic control command− −

ID	4 bytes String
ALL	ADZZ
ID1	AD01
ID2	AD02
ID3	AD03
ID4	AD04
ID5	AD05
ID6	AD06
ID7	AD07
ID8	AD08
ID9	AD09
ID10	AD10
ID11	AD11
ID12	AD12
ID13	AD13
ID14	AD14
ID15	AD15
ID16	AD16
ID17	AD17
ID18	AD18
ID19	AD19
ID20	AD20
ID21	AD21
ID22	AD22

ID	4 bytes String
ID23	AD23
ID24	AD24
ID25	AD25
ID26	AD26
ID27	AD27
ID28	AD28
ID29	AD29
ID30	AD30
ID31	AD31
ID32	AD32
ID33	AD33
ID34	AD34
ID35	AD35
ID36	AD36
ID37	AD37
ID38	AD38
ID39	AD39
ID40	AD40
ID41	AD41
ID42	AD42
ID43	AD43
ID44	AD44
ID45	AD45

ID	4 bytes String
ID46	AD46
ID47	AD47
ID48	AD48
ID49	AD49
ID50	AD50
ID51	AD51
ID52	AD52
ID53	AD53
ID54	AD54
ID55	AD55
ID56	AD56
ID57	AD57
ID58	AD58
ID59	AD59
ID60	AD60
ID61	AD61
ID62	AD62
ID63	AD63
ID64	AD64
Group A	AD0A
Group B	AD0B
Group C	AD0C
Group D	AD0D

ID	4 bytes String
Group E	AD0E
Group F	AD0F
Group G	AD0G
Group H	AD0H
Group I	AD0I
Group J	AD0J
Group K	AD0K
Group L	AD0L
Group M	AD0M
Group N	AD0N
Group O	AD0O
Group P	AD0P
Group Q	AD0Q
Group R	AD0R
Group S	AD0S
Group T	AD0T
Group U	AD0U
Group V	AD0V
Group W	AD0W
Group X	AD0X
Group Y	AD0Y
Group Z	AD0Z

Response (Callback) of the basic control command

In the period when commands can be accepted

Differs according to each command.

In the period when commands cannot be accepted

Hexadecimal	02h	45h	52h	34h	30h	31h	03h
Character		E	R	4	0	1	

In case of the parameter error or REMOTE2 effective

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. Try 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 ten seconds or more.

Note:

- This projector will respond to the computer only in the following cases:
  If the sent ID coincides with the projector ID,
  VPS SYSTEM in RS232C settings of this projector is MASTER and the sent ID is ALL, or
  If Group (A−Z) of the sent ID coincides with GROUP in RS232C settings of this projector and GROUP in RS232C settings of this projector is MASTER.

2. Basic Control Command

Explanatory notes

Yes: Enable

No: 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	TEST PATTERN	REMOTE2
Yes	Yes	Yes	Yes	Yes	Yes	(Yes)

Note:

- When you confirm whether to have succeeded in power-on, confirm it by QPW (query power condition) command after receiving the callback of PON command.
- REMOTE2 is given to priority. Calls back ER402 when the parameter is different from the setting of REMOTE2.

2.2. Power OFF (Standby)

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	TEST PATTERN	REMOTE2
Yes	Yes	Yes	Yes	Yes	Yes	(Yes)

Note:

- When you confirm whether to have succeeded in power-off, confirm it by QPW (Query Power) command after receiving the callback of POF command.
- REMOTE2 is given to priority. Calls back ER402 when the parameter is different from the setting of REMOTE2.

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 OFF	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	TEST PATTERN	REMOTE2
No	No	No	No	Yes	Yes	Yes

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	TEST PATTERN	REMOTE2
No	No	No	No	Yes	Yes	Yes

Note:

- This command is acceptable only when analog RGB signals (except a part of high dot clock signals) or DVI signals are input. In other cases, ER401 is returned.

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	TEST PATTERN	REMOTE2
Yes	No	Yes	Yes	Yes	Yes	No

Note:

• REMOTE2 is given to priority. Calls back ER402 when the parameter is different from the setting of REMOTE2.

2.6. Input Select

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

	RGB1			RGB2		
Hexadecimal	52h	47h	31h	52h	47h	32h
Character	R	G	1	R	G	2
	VIDEO			S-VIDEO		
Hexadecimal	56h	49h	44h	53h	56h	44h
Character	V	I	D	S	V	D
	DVI					
Hexadecimal	44h	56h	49h			
Character	D	V	I			

■ 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	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	Yes	Yes	Yes	Yes	(Yes)

Note:

• REMOTE2 is given to priority. Calls back ER402 if the input select of REMOTE2 is available.

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		Flag		Window	
Hexadecimal	30h	30h	30h	31h	30h	32h	30h	33h	30h	35h
Character	0	0	0	1	0	2	0	3	0	5
	Reversed window		Focus		Colorbar		Window *			
Hexadecimal	30h	36h	30h	37h	30h	38h	31h	30h		
Character	0	6	0	7	0	8	1	0		

* The frame of 16:9 is displayed for PT-D5700 series, and the frame of 4:3 is displayed for PT-DW5100 series.

■ 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	TEST PATTERN	REMOTE2
No	No	Yes	Yes	Yes	Yes	Yes

2.8. ON SCREEN

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

■ Parameters (*1, *2)

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

■ Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	Yes	Yes	Yes	Yes	Yes

2.9. 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	

2.10. 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	

2.11. 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	

2.12. 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	

2.13. 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	

2.14. 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	

2.15. STD key

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

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	53h	54h	03h
Character		O	S	T	

2.16. FUNC1 key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	46h	43h	31h	03h
Character		A	D	Z	Z	;	F	C	1	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	46h	43h	31h	03h
Character		F	C	1	

2.17. SYSTEM SEL key

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

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	53h	4Ch	03h
Character		O	S	L	

2.18. ASPECT 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	

2.19. Numeric key

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

■ Parameters (*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	

2.20. 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	TEST PATTERN	REMOTE2
No	Yes	Yes	Yes	No	Yes	Yes

Note:

• Calls back ER401 while the lamp has been switched.

2.21. Installation (FRONT/REAR & DESK/CEILING)

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/DESK	REAR/DESK	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	TEST PATTERN	REMOTE2
No	Yes	Yes	Yes	No	Yes	Yes

2.22. 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)

	HIGH	LOW
Hexadecimal	30h	31h
Character	0	1

■ 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	TEST PATTERN	REMOTE2
No	Yes	Yes	Yes	No	Yes	Yes

2.23. SUB MEMORY CHANGE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	43h	53h	3Ah
Character		A	D	Z	Z	;	O	C	S	:
Hexadecimal	*1	*3	03h							
Character	*2	*4								

■ Parameters (*1, *2, *3, *4)

Sets 00 when the sub memory is not used.

	Not used		1		2		3		4	
Hexadecimal	30h	30h	30h	31h	30h	32h	30h	33h	30h	34h
Character	0	0	0	1	0	2	0	3	0	4
	5		6		7		8			
Hexadecimal	30h	35h	30h	36h	30h	37h	30h	38h		
Character	0	5	0	6	0	7	0	8		

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	43h	53h	3Ah	*1	*3	03h
Character		O	C	S	:	*2	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes

2.24. SUB MEMORY STORE

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

■ Parameters (*1, *2, *3, *4)

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

■ Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes

2.25. SUB MEMORY DELETE

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

■ Parameters (*1, *2, *3, *4)

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

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	44h	53h	3Ah	*1	*3	03h
Character		O	D	S	:	*2	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes

2.26. PICTURE MODE

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)

	DYNAMIC			GRAPHIC					
Hexadecimal	44h	59h	4Eh	47h	52h	41h			
Character	D	Y	N	G	R	A			
	STANDARD			CINEMA			NATURAL		
Hexadecimal	53h	54h	44h	43h	49h	4Eh	4Eh	41h	54h
Character	S	T	D	C	I	N	N	A	T

■ 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	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	Yes	Yes	No	Yes	Yes

2.27. COLOR

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)

	−31			−30			−29		
Hexadecimal	30h	30h	31h	30h	30h	32h	30h	30h	33h
Character	0	0	1	0	0	2	0	0	3
	+29			+30			+31		
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	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes

2.28. TINT

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)

	−31			−30			−29		
Hexadecimal	30h	30h	31h	30h	30h	32h	30h	30h	33h
Character	0	0	1	0	0	2	0	0	3
	+29			+30			+31		
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	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes

2.29. COLOR TEMP.

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, *3, *4)

	DEFAULT		USER		MIDDLE		HIGH	
Hexadecimal	31h	30h	30h	34h	30h	31h	30h	32h
Character	1	0	0	4	0	1	0	2

■ 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	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes

2.30. W-BAL LOW R

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	TEST PATTERN	REMOTE2
No	No	Yes	Yes	No	Yes	Yes

2.31. W-BAL LOW G

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	TEST PATTERN	REMOTE2
No	No	Yes	Yes	No	Yes	Yes

2.32. W-BAL LOW B

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	TEST PATTERN	REMOTE2
No	No	Yes	Yes	No	Yes	Yes

2.33. W-BAL HIGH R

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
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

■ 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	TEST PATTERN	REMOTE2
No	No	Yes	Yes	No	Yes	Yes

2.34. W-BAL HIGH G

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
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

■ 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	TEST PATTERN	REMOTE2
No	No	Yes	Yes	No	Yes	Yes

2.35. W-BAL HIGH B

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
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

■ 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	TEST PATTERN	REMOTE2
No	No	Yes	Yes	No	Yes	Yes

2.36. CONTRAST

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)

	−31			−30			−29		
Hexadecimal	30h	30h	31h	30h	30h	32h	30h	30h	33h
Character	0	0	1	0	0	2	0	0	3
	+29			+30			+31		
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	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes

2.37. BRIGHT

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)

	−31			−30			−29		
Hexadecimal	30h	30h	31h	30h	30h	32h	30h	30h	33h
Character	0	0	1	0	0	2	0	0	3
	+29			+30			+31		
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	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes

2.38. WHITE GAIN

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	57h	48h	3Ah
Character		A	D	Z	Z	;	V	W	H	:
Hexadecimal	*1	*3	03h							
Character	*2	*4								

■ Parameters (*1, *2, *3, *4)

	0		1		2	
Hexadecimal	30h	30h	30h	31h	30h	32h
Character	0	0	0	1	0	2
	8		9		10	
Hexadecimal	30h	38h	30h	39h	31h	30h
Character	0	8	0	9	1	0

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	57h	48h	3Ah	*1	*3	03h
Character		V	W	H	:	*2	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	Yes	Yes	No	Yes	Yes

2.39. SYSTEM DAYLIGHT VIEW

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

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

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

■ Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	Yes	Yes	No	Yes	Yes

2.40. SHARPNESS

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

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes

2.41. NR

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	1	2	3
Hexadecimal	30h	31h	32h	33h
Character	0	1	2	3

■ 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	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes

2.42. AI

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

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes

2.43. 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			PAL60		
Hexadecimal	50h	41h	4Eh	53h	45h	43h	50h	36h	30h
Character	P	A	N	S	E	C	P	6	0

■ 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	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes

2.44. POSITION H

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	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes

Note:

• It is possible to specify it within the range from the minimum value "0" to the maximum value "Number in which 1 is subtracted from number of total dots".

2.45. POSITION V

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	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes

Note:

• For signals other than interlace, it is possible to specify it within the range from the minimum value "0" to the maximum value "Number in which 1 is subtracted from number of total lines".

• For interlace signals, it is possible to specify it within the range from the minimum value "1" to the maximum value "Number in which 2 is subtracted from number of total lines".

2.46. ASPECT

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

■ Parameters (*1, *2)

	AUTO	4:3	16:9	S4:3	HV FIT
Hexadecimal	30h	31h	32h	33h	36h
Character	0	1	2	3	6

	H FIT	V FIT	
Hexadecimal	39h	31h	30h
Character	9	1	0

■ Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes

2.47. ZOOM H

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	5Ah	48h	3Ah
Character		A	D	Z	Z	;	O	Z	H	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	50			51			52		
Hexadecimal	30h	35h	30h	30h	35h	31h	30h	35h	32h
Character	0	5	0	0	5	1	0	5	2
	997			998			999		
Hexadecimal	39h	39h	37h	39h	39h	38h	39h	39h	39h
Character	9	9	7	9	9	8	9	9	9

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	5Ah	48h	3Ah	*1	*3	*5	03h
Character		O	Z	H	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes

2.48. ZOOM V

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

■ Parameters (*1, *2, *3, *4, *5, *6)

	50			51			52		
Hexadecimal	30h	35h	30h	30h	35h	31h	30h	35h	32h
Character	0	5	0	0	5	1	0	5	2
	997			998			999		
Hexadecimal	39h	39h	37h	39h	39h	38h	39h	39h	39h
Character	9	9	7	9	9	8	9	9	9

■ Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes

2.49. 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	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes
VIDEO	S-VIDEO	RGB1	RGB2	YP_BP_R1	YP_BP_R2	DVI
No	No	Yes	Yes	Yes	Yes	No

2.50. 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	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes
VIDEO	S-VIDEO	RGB1	RGB2	YP_BP_R1	YP_BP_R2	DVI
No	No	Yes	Yes	No	No	No

Note:

• The maximum value that can be actually set changes according to the input signal or the input resolution settings, etc.

• Calls back ER402 when the value of less than number in which 30 is added to number of display dots is specified.

2.51. 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)

	300				301			
Hexadecimal	30h	33h	30h	30h	30h	33h	30h	31h
Character	0	3	0	0	0	3	0	1
	4065				4066			
Hexadecimal	34h	30h	36h	35h	34h	30h	36h	36h
Character	4	0	6	5	4	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	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes
VIDEO	S-VIDEO	RGB1	RGB2	YP_BP_R1	YP_BP_R2	DVI
No	No	Yes	Yes	No	No	No

Note:

• The maximum value that can be actually set changes according to the input signal or the input resolution settings, etc.

• Calls back ER402 when the value of more than number in which 30 is subtracted from number of total dots is specified.

2.52. TOTAL LINES

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

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

	306				307			
Hexadecimal	30h	33h	30h	36h	30h	33h	30h	37h
Character	0	3	0	6	0	3	0	7
	2046				2047			
Hexadecimal	24h	30h	34h	36h	32h	30h	34h	37h
Character	2	0	4	6	2	0	4	7

■ Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes
VIDEO	S-VIDEO	RGB1	RGB2	YP_BP_R1	YP_BP_R2	DVI
No	No	Yes	Yes	No	No	No

Note:

• The maximum value that can be actually set changes according to the input signal or the input resolution settings, etc.

• Calls back ER402 when the value of less than number in which 6 is added to number of display lines is specified.

2.53. DISPLAY 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)

	300				301			
Hexadecimal	30h	33h	30h	30h	30h	33h	30h	31h
Character	0	3	0	0	0	3	0	1
	1199				1200			
Hexadecimal	21h	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	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes
VIDEO	S-VIDEO	RGB1	RGB2	YP_BP_R1	YP_BP_R2	DVI
No	No	Yes	Yes	No	No	No

Note:

• The maximum value that can be actually set changes according to the input signal or the input resolution settings, etc.

• Calls back ER402 when the value of more than number in which 6 is subtracted from number of total lines is specified.

2.54. CLAMP POS.

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	4Ch	54h	3Ah
Character		A	D	Z	Z	;	V	L	T	:
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
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

■ Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes
VIDEO	S-VIDEO	RGB1	RGB2	YP_BP_R1	YP_BP_R2	DVI
No	No	Yes	Yes	Yes	Yes	No

2.55. KEYSTONE

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

■ Parameters (*1, *2, *3, *4, *5, *6)

	−127			−126			−125		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	+125			+126			+127		
Hexadecimal	32h	35h	32h	32h	35h	33h	32h	35h	34h
Character	2	5	2	2	5	3	2	5	4

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	4Bh	53h	3Ah	*1	*3	*5	03h
Character		O	K	S	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	Yes	Yes	Yes	No	Yes	Yes

2.56. LINEARITY

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	4Ch	49h	3Ah
Character		A	D	Z	Z	;	V	L	I	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	−127			−126			−125		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	+125			+126			+127		
Hexadecimal	32h	35h	32h	32h	35h	33h	32h	35h	34h
Character	2	5	2	2	5	3	2	5	4

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	4Ch	49h	3Ah	*1	*3	*5	03h
Character		V	L	I	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	Yes	Yes	Yes	No	Yes	Yes

Note:

• Calls back ER401 when 0 is set to KEYSTONE.

2.57. 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	4Ch	4Ah	50h	4Eh
Character	E	S	P	I	T	L	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

■ 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	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes

2.58. SYSTEM

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)

	VGA60	YPBPR/YCBCR	AUTO	RGB-480P
Hexadecimal	30h	31h	32h	33h
Character	0	1	2	3

■ 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	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes

2.59. BLANKING UPPER

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	44h	42h	55h	3Ah
Character		A	D	Z	Z	;	D	B	U	:
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
	381			382			383		
Hexadecimal	33h	38h	31h	33h	38h	32h	33h	38h	33h
Character	3	8	1	3	8	2	3	8	3

Note:

• The maximum value that can be set changes according to settings of the input signal, the aspect and the zoom.

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	44h	42h	55h	3Ah	*1	*3	*5	03h
Character		D	B	U	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes

2.60. BLANKING LOWER

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	44h	42h	42h	3Ah
Character		A	D	Z	Z	;	D	B	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
	381			382			383		
Hexadecimal	33h	38h	31h	33h	38h	32h	33h	38h	33h
Character	3	8	1	3	8	2	3	8	3

Note:

• The maximum value that can be set changes according to settings of the input signal, the aspect and the zoom.

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	44h	42h	42h	3Ah	*1	*3	*5	03h
Character		D	B	B	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes

2.61. BLANKING RIGHT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	44h	42h	52h	3Ah
Character		A	D	Z	Z	;	D	B	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

PT-D5700*/D5700L*

	509			510			511		
Hexadecimal	35h	30h	39h	35h	31h	30h	35h	31h	31h
Character	5	0	9	5	1	0	5	1	1

PT-DW5100*/DW5100L*

	637			638			639		
Hexadecimal	36h	33h	37h	36h	33h	38h	36h	33h	39h
Character	6	3	7	6	3	8	6	3	9

Note:

• The maximum value that can be set changes according to settings of the input signal, the aspect and the zoom.

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	44h	42h	52h	3Ah	*1	*3	*5	03h
Character		D	B	R	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes

2.62. BLANKING LEFT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	44h	42h	4Ch	3Ah
Character		A	D	Z	Z	;	D	B	L	:
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

PT-D5700*/D5700L**

	509			510			511		
Hexadecimal	35h	30h	39h	35h	31h	30h	35h	31h	31h
Character	5	0	9	5	1	0	5	1	1

PT-DW5100*/ DW5100L*

	637			638			639		
Hexadecimal	36h	33h	37h	36h	33h	38h	36h	33h	39h
Character	6	3	7	6	3	8	6	3	9

Note:

• The maximum value that can be set changes according to settings of the input signal, the aspect and the zoom.

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	44h	42h	4Ch	3Ah	*1	*3	*5	03h
Character		D	B	L	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes

2.63. RASTER POSITION H

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	52h	48h	3Ah
Character		A	D	Z	Z	;	V	R	H	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

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

	−2048				−2047			
Hexadecimal	34h	39h	39h	39h	32h	39h	35h	33h
Character	2	9	5	2	2	9	5	3
	+2046				+2047			
Hexadecimal	37h	30h	34h	36h	37h	30h	34h	37h
Character	7	0	4	6	7	0	4	7

■ Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes

Note:

• The maximum value that can be set changes according to settings of the input signal, the aspect and the zoom.

2.64. RASTER POSITION V

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	52h	56h	3Ah
Character		A	D	Z	Z	;	V	R	V	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

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

	−2048				−2047			
Hexadecimal	34h	39h	39h	39h	32h	39h	35h	33h
Character	2	9	5	2	2	9	5	3
	+2046				+2047			
Hexadecimal	37h	30h	34h	36h	37h	30h	34h	37h
Character	7	0	4	6	7	0	4	7

■ Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes

Note:

• The maximum value that can be set changes according to settings of the input signal, the aspect and the zoom.

2.65. 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	TEST PATTERN	REMOTE2
No	No	Yes	Yes	No	Yes	Yes

2.66. 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	I	0	=	+	*2	*4	*6
Hexadecimal	*7	*9	03h							
Character	*8	*10								

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

	OFF					3COLORS					7COLORS				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h	30h	30h	30h	30h	32h
Character	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2

	MEASURE				
Hexadecimal	30h	30h	30h	30h	33h
Character	0	0	0	0	3

■ 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	I	0
Hexadecimal	3Dh	2Bh	*1	*3	*5	*7	*9	03h		
Character	=	+	*2	*4	*6	*8	*10			

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	Yes	Yes	No	Yes	Yes

2.67. Color Correction

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

■ Parameters (*1, *2)

	OFF	USER
Hexadecimal	30h	31h
Character	0	1

■ Response (Callback)

In the period when the command can be accepted

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

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	Yes	Yes	No	Yes	Yes

2.68. XGA MODE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	58h	47h	3Ah
Character		A	D	Z	Z	;	O	X	G	:
Hexadecimal	*1	03h								
Character	*2									

■ Parameters (*1, *2)

	XGA	WXGA
Hexadecimal	30h	31h
Character	0	1

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	58h	47h	3Ah	*1	03h
Character		O	X	G	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes

2.69. SXGA MODE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	53h	58h	3Ah
Character		A	D	Z	Z	;	O	S	X	:
Hexadecimal	*1	03h								
Character	*2									

■ Parameters (*1, *2)

	SXGA	SXGA+
Hexadecimal	30h	31h
Character	0	1

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	53h	58h	3Ah	*1	03h
Character		O	S	X	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	No	Yes	No	Yes	Yes

2.70. CONTRAST MODE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	43h	52h	3Ah
Character		A	D	Z	Z	;	V	C	R	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	NORMAL	HIGH
Hexadecimal	30h	31h
Character	0	1

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	43h	52h	3Ah	*1	*3	*5	03h
Character		V	C	R	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	Yes	Yes	No	Yes	Yes

2.71. EDID

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	44h	42h	4Ch	3Ah
Character		A	D	Z	Z	;	O	E	D	:
Hexadecimal	*1	03h								
Character	*2									

■ Parameters (*1, *2)

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

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	44h	42h	4Ch	3Ah	*1	03h
Character		O	E	D	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	Yes	Yes	No	Yes	Yes

2.72. DVI Signal Level

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

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

	0—255:PC					16—235				
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	44h	56h	49h	49h	30h
Character		V	X	X	:	D	V	I	I	0
Hexadecimal	3Dh	2Bh	*1	*3	*5	*7	*9	03h		
Character	=	+	*2	*4	*6	*8	*10			

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	No	Yes	Yes	No	Yes	Yes

2.73. Set Date

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	54h	53h	44h	3Ah
Character		A	D	Z	Z	;	T	S	D	:
Hexadecimal	*y1	*y2	*y3	*y4	*m1	*m2	*d1	*D2	*w	03h
Character										

■ Parameters

*y1—*y4: Year (4 digits)
*m1, *m2 Month (2 digits)
*d1, *d2: Day (2 digits)
*w: Day of the week (Mon = 1, Tue = 2, Wed = 3, Thu = 4, Fri = 5, Sat = 6, Sun = 7)
Set it by UTC (Coordinated Universal Time).
Example: Friday, June 29, 2007

	*y1	*y2	*y3	*y4	*m1	*m2	*d1	*D2	*w
Hexadecimal	32h	30h	30h	37h	30h	36h	32h	39h	35h
Character	2	0	0	7	0	6	2	9	5

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	54h	53h	44h	3Ah	*y1	*y2	
Character		T	S	D	:			
Hexadecimal	*y3	*y4	*m1	*m2	*d1	*d2	*w	03h
Character								

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	Yes	Yes	Yes	No	Yes	Yes

2.74. Set Time

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	54h	53h	54h	3Ah
Character		A	D	Z	Z	;	T	S	T	:
Hexadecimal	*h1	*h2	*m1	*m2	*s1	*s2	03h			
Character										

■ Parameters

*h1, *h2: Hour (2 digits)
*m1, *m2：Minute (2 digits)
*s1, *s2：Second (2 digits)
Set it by UTC (Coordinated Universal Time).
Example: 3 seconds at 3:45 p.m.

	*h1	*h2	*m1	*m2	*s1	*s2
Hexadecimal	31h	35h	34h	35h	30h	33h
Character	1	5	4	5	0	3

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	54h	53h	54h	3Ah		
Character		T	S	T	:		
Hexadecimal	*h1	*h2	*m1	*m2	*s1	*s2	03h
Character							

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
No	Yes	Yes	Yes	No	Yes	Yes

2.75. 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	31h	03h
Character		0	0	0	

ON

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

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
Yes	Yes	Yes	Yes	Yes	Yes	Yes

2.76. Query FREEZE

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

■ Response (Callback)

OFF

Hexadecimal	02h	31h	03h
Character		0	

ON

Hexadecimal	02h	31h	03h
Character		1	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
Yes	No	Yes	Yes	Yes	Yes	Yes

2.77. 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	31h	03h
Character		0	

ON

Hexadecimal	02h	31h	03h
Character		1	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
Yes	No	Yes	Yes	Yes	Yes	Yes

2.78. Query Input Select

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

■ Response (Callback)

RGB1

Hexadecimal	02h	52h	47h	31h	03h
Character		R	G	1	

RGB2

Hexadecimal	02h	52h	47h	32h	03h
Character		R	G	2	

VIDEO

Hexadecimal	02h	56h	49h	44h	03h
Character		V	I	D	

S-VIDEO

Hexadecimal	02h	53h	56h	44h	03h
Character		S	V	D	

DVI

Hexadecimal	02h	44h	56h	49h	03h
Character		D	V	I	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
Yes	No	Yes	Yes	Yes	Yes	Yes

2.79. 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		Flag		Window	
Hexadecimal	30h	30h	30h	31h	30h	32h	30h	33h	30h	35h
Character	0	0	0	1	0	2	0	3	0	5

	Reversed window		Focus		Colorbar		Window *	
Hexadecimal	30h	36h	30h	37h	30h	38h	31h	30h
Character	0	6	0	7	0	8	1	0

* The frame of 16:9 is displayed for PT-D5700 series, and the frame of 4:3 is displayed for PT-DW5100 series.

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
Yes	No	Yes	Yes	Yes	Yes	Yes

2.80. Query ON SCREEN

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

■ Response (Callback)

OSD OFF

Hexadecimal	02h	31h	03h
Character		0	

OSD ON

Hexadecimal	02h	31h	03h
Character		1	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
Yes	Yes	Yes	Yes	Yes	Yes	Yes

2.81. Query PICTURE MODE

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

■ 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	TEST PATTERN	REMOTE2
Yes	No	Yes	Yes	Yes	Yes	Yes

■ Parameters (*1, *2, *3, *4, *5, *6)

	DYNAMIC			GRAPHIC					
Hexadecimal	44h	59h	4Eh	47h	52h	41h			
Character	D	Y	N	G	R	A			
	STANDARD			CINEMA			NATURAL		
Hexadecimal	53h	54h	44h	43h	49h	4Eh	4Eh	41h	54h
Character	S	T	D	C	I	N	N	A	T

2.82. 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	TEST PATTERN	REMOTE2
Yes	No	No	Yes	Yes	Yes	Yes

■ Parameters (*1, *2, *3, *4, *5, *6)

	−31			−30			−29		
Hexadecimal	30h	30h	31h	30h	30h	32h	30h	30h	33h
Character	0	0	1	0	0	2	0	0	3
	+29			+30			+31		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

2.83. 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	TEST PATTERN	REMOTE2
Yes	No	No	Yes	Yes	Yes	Yes

■ Parameters (*1, *2, *3, *4, *5, *6)

	−31			−30			−29		
Hexadecimal	30h	30h	31h	30h	30h	32h	30h	30h	33h
Character	0	0	1	0	0	2	0	0	3
	+29			+30			+31		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

2.84. Query COLOR TEMP.

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

■ Response (Callback)

DEFAULT

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

USER

Hexadecimal	02h	34h	03h
Character		4	

MIDDLE

Hexadecimal	02h	31h	03h
Character		1	

HIGH

Hexadecimal	02h	32h	03h
Character		2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
Yes	No	Yes	Yes	Yes	Yes	Yes

2.85. Query W-BAL LOW R

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	TEST PATTERN	REMOTE2
Yes	No	Yes	Yes	Yes	Yes	Yes

■ 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 W-BAL LOW G

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	TEST PATTERN	REMOTE2
Yes	No	Yes	Yes	Yes	Yes	Yes

■ 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 W-BAL LOW B

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	TEST PATTERN	REMOTE2
Yes	No	Yes	Yes	Yes	Yes	Yes

■ 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

2.88. Query W-BAL HIGH R

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	TEST PATTERN	REMOTE2
Yes	No	Yes	Yes	Yes	Yes	Yes

■ 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
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

2.89. Query W-BAL HIGH G

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	TEST PATTERN	REMOTE2
Yes	No	Yes	Yes	Yes	Yes	Yes

■ 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
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

2.90. Query W-BAL HIGH B

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	TEST PATTERN	REMOTE2
Yes	No	Yes	Yes	Yes	Yes	Yes

■ 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
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

2.91. 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	TEST PATTERN	REMOTE2
Yes	No	No	Yes	Yes	Yes	Yes

■ Parameters (*1, *2, *3, *4, *5, *6)

	−31			−30			−29		
Hexadecimal	30h	30h	31h	30h	30h	32h	30h	30h	33h
Character	0	0	1	0	0	2	0	0	3
	+29			+30			+31		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

2.92. Query BRIGHT

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	TEST PATTERN	REMOTE2
Yes	No	No	Yes	Yes	Yes	Yes

■ Parameters (*1, *2, *3, *4, *5, *6)

	−31			−30			−29		
Hexadecimal	30h	30h	31h	30h	30h	32h	30h	30h	33h
Character	0	0	1	0	0	2	0	0	3
	+29			+30			+31		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

2.93. Query White Gain

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	57h	48h	03h
Character		A	D	Z	Z	;	Q	W	H	:

■ 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	TEST PATTERN	REMOTE2
Yes	No	Yes	Yes	Yes	Yes	Yes

■ Parameters (*1, *2, *3, *4)

	0		1		2	
Hexadecimal	30h	30h	30h	31h	30h	32h
Character	0	0	0	1	0	2
	8		9		10	
Hexadecimal	30h	38h	30h	39h	31h	30h
Character	0	8	0	9	1	0

2.94. Query System Daylight View

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	88h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	44h	4Ch	56h	49h	30h	03h				
Character	D	L	V	I	0					

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	44h	4Ch	56h	49h	30h	3Dh	2Bh
Character		D	L	V	I	0	=	+
Hexadecimal	*1	*3	*5	*7	*9	03h		
Character	*2	*4	*6	*8	*10			

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
Yes	No	Yes	Yes	Yes	Yes	Yes

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

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

2.95. 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	TEST PATTERN	REMOTE2
Yes	No	No	Yes	Yes	Yes	Yes

■ 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

2.96. Query NR

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	TEST PATTERN	REMOTE2
Yes	No	No	Yes	Yes	Yes	Yes

■ Parameters (*1, *2)

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

2.97. Query AI

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

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
Yes	No	No	Yes	Yes	Yes	Yes

■ Parameters (*1, *2)

	OFF	ON
Hexadecimal	30h	31h
Character	0	1

2.98. 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	TEST PATTERN	REMOTE2
Yes	No	Yes	Yes	Yes	Yes	Yes

■ Parameters (*1, *2, *3, *4, *5, *6)

	AUTO			NTSC					
Hexadecimal	41h	54h	31h	4Eh	54h	53h			
Character	A	T	1	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			PAL60		
Hexadecimal	50h	41h	4Eh	53h	45h	43h	50h	36h	30h
Character	P	A	N	S	E	C	P	6	0

2.99. Query POSITION H

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	TEST PATTERN	REMOTE2
Yes	No	No	Yes	Yes	Yes	Yes

■ 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

2.100. Query POSITION V

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	TEST PATTERN	REMOTE2
Yes	No	No	Yes	Yes	Yes	Yes

■ 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

2.101. Query RASTER POSITION H

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	52h	48h	03h
Character		A	D	Z	Z	;	Q	R	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	TEST PATTERN	REMOTE2
Yes	No	No	Yes	Yes	Yes	Yes

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

	−2048				−2047			
Hexadecimal	32h	39h	35h	32h	32h	39h	35h	33h
Character	2	9	5	2	2	9	5	3
	+2046				+2047			
Hexadecimal	37h	30h	34h	36h	37h	30h	34h	37h
Character	7	0	4	6	7	0	4	7

2.102. Query RASTER POSITION V

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	52h	56h	03h
Character		A	D	Z	Z	;	Q	R	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	TEST PATTERN	REMOTE2
Yes	No	No	Yes	Yes	Yes	Yes

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

	−2048				−2047			
Hexadecimal	32h	39h	35h	32h	32h	39h	35h	33h
Character	2	9	5	2	2	9	5	3
	+2046				+2047			
Hexadecimal	37h	30h	34h	36h	37h	30h	34h	37h
Character	7	0	4	6	7	0	4	7

2.103. 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	03h
Character		*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
Yes	No	No	Yes	Yes	Yes	Yes

■ Parameters (*1, *2)

	AUTO	4:3	16:9	S4:3	HV FIT	H FIT	V FIT	
Hexadecimal	30h	31h	32h	33h	36h	39h	31h	30h
Character	0	1	2	3	6	9	1	0

2.104. Query ZOOM H

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

■ 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	TEST PATTERN	REMOTE2
Yes	No	No	Yes	Yes	Yes	Yes

■ Parameters (*1, *2, *3, *4, *5, *6)

	50			51			52		
Hexadecimal	30h	35h	30h	30h	35h	31h	30h	35h	32h
Character	0	5	0	0	5	1	0	5	2
	997			998			999		
Hexadecimal	39h	39h	37h	39h	39h	38h	39h	39h	39h
Character	9	9	7	9	9	8	9	9	9

2.105. Query ZOOM V

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

■ 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	TEST PATTERN	REMOTE2
Yes	No	No	Yes	Yes	Yes	Yes

■ Parameters (*1, *2, *3, *4, *5, *6)

	50			51			52		
Hexadecimal	30h	35h	30h	30h	35h	31h	30h	35h	32h
Character	0	5	0	0	5	1	0	5	2
	997			998			999		
Hexadecimal	39h	39h	37h	39h	39h	38h	39h	39h	39h
Character	9	9	7	9	9	8	9	9	9

2.106. 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	TEST PATTERN	REMOTE2
Yes	No	No	Yes	Yes	Yes	Yes
VIDEO	S-VIDEO	RGB1	RGB2	YP_BP_R1	YP_BP_R2	DVI
No	No	Yes	Yes	Yes	Yes	No

■ 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

2.107. Query TOTAL DOTS / INPUT RESOLUTION

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	TEST PATTERN	REMOTE2
Yes	No	No	Yes	Yes	Yes	Yes
VIDEO	S-VIDEO	RGB1	RGB2	YP_BP_R1	YP_BP_R2	DVI
No	No	Yes	Yes	No	No	No

■ 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

2.108. Query DISPLAY DOTS / INPUT RESOLUTION

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	TEST PATTERN	REMOTE2
Yes	No	No	Yes	Yes	Yes	Yes
VIDEO	S-VIDEO	RGB1	RGB2	YP_BP_R1	YP_BP_R2	DVI
No	No	Yes	Yes	No	No	No

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

	300				301			
Hexadecimal	30h	33h	30h	30h	30h	33h	30h	31h
Character	0	3	0	0	0	3	0	1
	4065				4066			
Hexadecimal	34h	30h	36h	35h	34h	30h	36h	36h
Character	4	0	6	5	4	0	6	6

2.109. Query TOTAL LINES / INPUT RESOLUTION

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	54h	4Ch	03h
Character		A	D	Z	Z	;	Q	T	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	TEST PATTERN	REMOTE2
Yes	No	No	Yes	Yes	Yes	Yes
VIDEO	S-VIDEO	RGB1	RGB2	YP_BP_R1	YP_BP_R2	DVI
No	No	Yes	Yes	No	No	No

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

	306				307			
Hexadecimal	30h	33h	30h	36h	30h	33h	30h	37h
Character	0	3	0	6	0	3	0	7
	2046				2047			
Hexadecimal	32h	30h	34h	36h	32h	30h	34h	37h
Character	2	0	4	6	2	0	4	7

2.110. Query DISPLAY LINES / INPUT RESOLUTION

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	TEST PATTERN	REMOTE2
Yes	No	No	Yes	Yes	Yes	Yes
VIDEO	S-VIDEO	RGB1	RGB2	YP_BP_R1	YP_BP_R2	DVI
No	No	Yes	Yes	No	No	No

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

	300				301			
Hexadecimal	30h	33h	30h	30h	30h	33h	30h	31h
Character	0	3	0	0	0	3	0	1
	1199				1200			
Hexadecimal	31h	31h	39h	39h	31h	32h	30h	30h
Character	1	1	9	9	1	2	0	0

2.111. Query BLANKING UPPER

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Ch	55h	03h
Character		A	D	Z	Z	;	Q	L	U	

■ 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	TEST PATTERN	REMOTE2
Yes	No	No	Yes	Yes	Yes	Yes

■ 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
	381			382			383		
Hexadecimal	33h	38h	31h	33h	38h	32h	33h	38h	33h
Character	3	8	1	3	8	2	3	8	3

2.112. Query BLANKING LOWER

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Ch	42h	03h
Character		A	D	Z	Z	;	Q	L	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	TEST PATTERN	REMOTE2
Yes	No	No	Yes	Yes	Yes	Yes

■ 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
	381			382			383		
Hexadecimal	33h	38h	31h	33h	38h	32h	33h	38h	33h
Character	3	8	1	3	8	2	3	8	3

2.113. Query BLANKING RIGHT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Ch	52h	03h
Character		A	D	Z	Z	;	Q	L	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	TEST PATTERN	REMOTE2
Yes	No	No	Yes	Yes	Yes	Yes

■ 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

PT-D5700*/D5700L*

	509			510			511		
Hexadecimal	35h	30h	39h	35h	31h	30h	35h	31h	31h
Character	5	0	9	5	1	0	5	1	1

PT-DW5100*/DW5100L*

	637			638			639		
Hexadecimal	36h	33h	37h	36h	33h	38h	36h	33h	39h
Character	6	3	7	6	3	8	6	3	9

2.114. Query BLANKING LEFT

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

■ 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	TEST PATTERN	REMOTE2
Yes	No	No	Yes	Yes	Yes	Yes

■ 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

PT-D5700*/D5700L*

	509			510			511		
Hexadecimal	35h	30h	39h	35h	31h	30h	35h	31h	31h
Character	5	0	9	5	1	0	5	1	1

PT-DW5100*/DW5100L*

	637			638			639		
Hexadecimal	36h	33h	37h	36h	33h	38h	36h	33h	39h
Character	6	3	7	6	3	8	6	3	9

2.115. 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	TEST PATTERN	REMOTE2
Yes	No	Yes	Yes	Yes	Yes	Yes

■ 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

2.116. 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	TEST PATTERN	REMOTE2
Yes	No	Yes	Yes	Yes	Yes	Yes

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

	OFF					3COLORS					7COLORS				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h	30h	30h	30h	30h	32h
Character	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2

	MEASURE				
Hexadecimal	30h	30h	30h	30h	33h
Character	0	0	0	0	3

2.117. Query Color Correction

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Dh	43h	03h
Character		A	D	Z	Z	;	Q	M	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	TEST PATTERN	REMOTE2
Yes	No	Yes	Yes	Yes	Yes	Yes

■ Parameters (*1, *2)

	OFF	USER
Hexadecimal	30h	31h
Character	0	1

2.118. Query XGA MODE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	58h	47h	03h
Character		A	D	Z	Z	;	Q	X	G	

■ Parameters (*1, *2)

	XGA	WXGA
Hexadecimal	30h	31h
Character	0	1

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
Yes	No	No	Yes	Yes	Yes	Yes

2.119. Query SVGA MODE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	53h	58h	03h
Character		A	D	Z	Z	;	Q	S	X	

■ Parameters (*1, *2)

	SXGA	SXGA+
Hexadecimal	30h	31h
Character	0	1

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
Yes	No	No	Yes	Yes	Yes	Yes

2.120. Query CONTRAST MODE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	43h	52h	03h
Character		A	D	Z	Z	;	Q	C	R	

■ Response (Callback)

In the period when the command can be accepted

NORMAL

Hexadecimal	02h	30h	03h
Character		0	

HIGH

Hexadecimal	02h	31h	03h
Character		1	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
Yes	No	Yes	Yes	Yes	Yes	Yes

2.121. Query CLAMP POS.

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	TEST PATTERN	REMOTE2
Yes	No	No	Yes	Yes	Yes	Yes
VIDEO	S-VIDEO	RGB1	RGB2	YP_BP_R1	YP_BP_R2	DVI
No	No	Yes	Yes	Yes	Yes	No

■ 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
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

2.122. Query KEYSTONE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Bh	53h	03h
Character		A	D	Z	Z	;	Q	K	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	TEST PATTERN	REMOTE2
Yes	Yes	Yes	Yes	Yes	Yes	Yes

■ Parameters (*1, *2, *3, *4, *5, *6)

	−127			−126			−125		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	+125			+126			+127		
Hexadecimal	32h	35h	32h	32h	35h	33h	32h	35h	34h
Character	2	5	2	2	5	3	2	5	4

2.123. Query LINEARITY

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

■ 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	TEST PATTERN	REMOTE2
Yes	Yes	Yes	Yes	Yes	Yes	Yes

■ Parameters (*1, *2, *3, *4, *5, *6)

	−127			−126			−125		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	+125			+126			+127		
Hexadecimal	32h	35h	32h	32h	35h	33h	32h	35h	34h
Character	2	5	2	2	5	3	2	5	4

2.124. Query 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	TEST PATTERN	REMOTE2
Yes	Yes	Yes	Yes	Yes	Yes	Yes

■ 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	4Ch	4Ah	50h	4Eh
Character	E	S	P	I	T	L	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

2.125. Query Installation (FRONT/REAR & DESK/CEILING)

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

■ Response (Callback)

FRONT/DESK

Hexadecimal	02h	30h	03h
Character		0	

REAR/DESK

Hexadecimal	02h	34h	03h
Character		1	

FRONT/CEILING

Hexadecimal	02h	31h	03h
Character		2	

REAR/CEILING

Hexadecimal	02h	32h	03h
Character		3	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
Yes	Yes	Yes	Yes	Yes	Yes	Yes

2.126. Query SET RUNTIME

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	TEST PATTERN	REMOTE2
Yes	Yes	Yes	Yes	Yes	Yes	Yes

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

	0					1				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1
	99998					99999				
Hexadecimal	39h	39h	39h	39h	38h	39h	39h	39h	39h	39h
Character	9	9	9	9	8	9	9	9	9	9

2.127. Query LAMP1 ON

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	TEST PATTERN	REMOTE2
Yes	Yes	Yes	Yes	Yes	Yes	Yes

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

When the lamp is Normal type

Answered time = (Lamp ON time in HIGH) + ((Lamp ON time in LOW) No. 3 ÷ 4)

When the lamp is Long-life type

Answered time = Lamp ON time

	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

2.128. Query LAMP2 ON

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	TEST PATTERN	REMOTE2
Yes	Yes	Yes	Yes	Yes	Yes	Yes

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

When the lamp is Normal type

Answered time = (Lamp ON time in HIGH) + ((Lamp ON time in LOW) No. 3 ÷ 4)

When the lamp is Long-life type

Answered time = Lamp ON time

	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

2.129. 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	

SINGLE

Hexadecimal	02h	31h	03h
Character		1	

LAMP1

Hexadecimal	02h	31h	03h
Character		2	

LAMP2

Hexadecimal	02h	33h	03h
Character		3	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
Yes	Yes	Yes	Yes	Yes	Yes	Yes

2.130. Query Lamp Status

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

■ Response (Callback)

Lamp OFF

Hexadecimal	02h	30h	03h
Character		0	

In turning ON

Hexadecimal	02h	31h	03h
Character		1	

Lamp ON

Hexadecimal	02h	32h	03h
Character		2	

In turning OFF (Cooling)

Hexadecimal	02h	33h	03h
Character		3	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
Yes	Yes	Yes	Yes	Yes	Yes	Yes

2.131. Query LAMP POWER

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

■ Response (Callback)

When the lamp is Normal type and HIGH setting

Hexadecimal	02h	30h	03h
Character		0	

When the lamp is Normal type and LOW setting

Hexadecimal	02h	31h	03h
Character		1	

When the lamp is Long-life type

Hexadecimal	02h	32h	03h
Character		2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
Yes	Yes	Yes	Yes	Yes	Yes	Yes

2.132. Query VPS SYSTEM

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	59h	03h
Character		A	D	Z	Z	;	Q	V	Y	

■ Response (Callback)

MASTER

Hexadecimal	02h	31h	03h
Character		1	

SLAVE

Hexadecimal	02h	30h	03h
Character		0	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
Yes	Yes	Yes	Yes	Yes	Yes	Yes

2.133. 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 temperature	Lamp surroundings temperature	Optical module temperature
Hexadecimal	30h	31h	32h
Character	0	1	2

■ Response (Callback)

For −20 °C

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

For 120 °C

		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	TEST PATTERN	REMOTE2
Yes	Yes	Yes	Yes	Yes	Yes	Yes

2.134. Query FAN CONTROL1

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

■ Response (Callback)

NORMAL

Hexadecimal	02h	30h	03h
Character		0	

HIGHLAND

Hexadecimal	02h	32h	03h
Character		1	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
Yes	Yes	Yes	Yes	Yes	Yes	Yes

2.135. Query FUNC1

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	46h	43h	03h
Character		A	D	Z	Z	;	Q	F	C	

■ Response (Callback)

SYSTEM SELECTOR

Hexadecimal	02h	31h	03h
Character		1	

SYSTEM DAYLIGHT VIEW

Hexadecimal	02h	32h	03h
Character		2	

SUB MEMORY LIST

Hexadecimal	02h	33h	03h
Character		3	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
Yes	Yes	Yes	Yes	Yes	Yes	Yes

2.136. Query Usage Condition of Sub Memory

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	53h	42h	03h
Character		A	D	Z	Z	;	O	S	B	

■ 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	TEST PATTERN	REMOTE2
No	No	No	Yes	Yes	Yes	Yes

■ Parameters (*1, *2, *3, *4)

Calls back ER401 when the sub memory is not used.

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

2.137. Query Date

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

■ Response (Callback)

Hexadecimal	02h	*y1	*y2	*y3	*y4	*m1	*m2	*d1	*D2	*w	03h
Character											

■ Parameters

*y1—*y4: Year (4 digits)
*m1, *m2 Month (2 digits)
*d1, *d2: Day (2 digits)
*w: Day of the week (Mon = 1, Tue = 2, Wed = 3, Thu = 4, Fri = 5, Sat = 6, Sun = 7)
Set it by UTC (Coordinated Universal Time).
Example: Friday, June 29, 2007

	*y1	*y2	*y3	*y4	*m1	*m2	*d1	*D2	*w
Hexadecimal	32h	30h	30h	37h	30h	36h	32h	39h	35h
Character	2	0	0	7	0	6	2	9	5

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
Yes	Yes	Yes	Yes	Yes	Yes	Yes

2.138. Query Time

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	47h	54h	03h
Character		A	D	Z	Z	;	Q	G	T	

■ Response (Callback)

Hexadecimal	02h	*h1	*h2	*m1	*m2	*s1	*s2	03h
Character								

■ Parameters

*h1, *h2: Hour (2 digits)
*m1, *m2：Minute (2 digits)
*s1, *s2：Second (2 digits)
Set it by UTC (Coordinated Universal Time).
Example: 3 seconds at 3:45 p.m.

	*h1	*h2	*m1	*m2	*s1	*s2
Hexadecimal	31h	35h	34h	35h	30h	33h
Character	1	5	4	5	0	3

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
Yes	Yes	Yes	Yes	Yes	Yes	Yes

2.139. 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-D5700*/D5700L*

Hexadecimal	02h	44h	35h	37h	30h	30h	03h
Character		D	5	7	0	0	

PT-DW5100*/DW5100L*

Hexadecimal	02h	44h	57h	35h	31h	30h	30h	03h
Character		D	W	5	1	0	0	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
Yes	Yes	Yes	Yes	Yes	Yes	Yes

2.140. Query Lamp ON Status

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

■ Response (Callback)

Lamp 1 OFF, Lamp 2 OFF

Hexadecimal	02h	30h	03h
Character		0	

Lamp 1 ON, Lamp 2 OFF

Hexadecimal	02h	31h	03h
Character		1	

Lamp 1 OFF, Lamp 2 ON

Hexadecimal	02h	32h	03h
Character		2	

Lamp 1 ON, Lamp 2 ON

Hexadecimal	02h	33h	03h
Character		3	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
Yes	Yes	Yes	Yes	Yes	Yes	Yes

2.141. Query System Settings

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

■ Response (Callback)

VGA60

Hexadecimal	02h	30h	03h
Character		0	

YP_BP_R /YC_BC_R

Hexadecimal	02h	31h	03h
Character		1	

AUTO

Hexadecimal	02h	32h	03h
Character		2	

RGB-480P

Hexadecimal	02h	33h	03h
Character		3	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
Yes	No	No	Yes	Yes	Yes	Yes

2.142. Query EDID

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	42h	4Ch	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	TEST PATTERN	REMOTE2
Yes	Yes	Yes	Yes	Yes	Yes	Yes

■ Parameters (*1, *2)

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

2.143. Query DVI Signal Level

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

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	44h	56h	49h	49h	30h	3Dh	2Bh
Character		D	V	I	I	0	=	+
Hexadecimal	*1	*3	*5	*7	*9	03h		
Character	*2	*4	*6	*8	*10			

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
Yes	Yes	Yes	Yes	Yes	Yes	Yes

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

	0—255:PC					16—235				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1

3.Extended Control Command

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

ID of the extended control command

ID	Hexadecimal (1 byte)
All	00
ID1	01
ID2	02
ID3	03
ID4	04
ID5	05
ID6	06
ID7	07
ID8	08
ID9	09
ID10	0A
ID11	0B
ID12	0C
ID13	0D
ID14	0E
ID15	0F
ID16	10
ID17	11
ID18	12
ID19	13
ID20	14
ID21	15
ID22	16

ID	Hexadecimal (1 byte)
ID23	17
ID24	18
ID25	19
ID26	1A
ID27	1B
ID28	1C
ID29	1D
ID30	1E
ID31	1F
ID32	20
ID33	21
ID34	22
ID35	23
ID36	24
ID37	25
ID38	26
ID39	27
ID40	28
ID41	29
ID42	2A
ID43	2B
ID44	2C
ID45	2D

ID	Hexadecimal (1 byte)
ID46	2E
ID47	2F
ID48	30
ID49	31
ID50	32
ID51	33
ID52	34
ID53	35
ID54	36
ID55	37
ID56	38
ID57	39
ID58	3A
ID59	3B
ID60	3C
ID61	3D
ID62	3E
ID63	3F
ID64	40
Group A	80
Group B	81
Group C	82
Group D	83

ID	Hexadecimal (1 byte)
Group E	84
Group F	85
Group G	86
Group H	87
Group I	88
Group J	89
Group K	8A
Group L	8B
Group M	8C
Group N	8D
Group O	8E
Group P	8F
Group Q	90
Group R	91
Group S	92
Group T	93
Group U	94
Group V	95
Group W	96
Group X	97
Group Y	98
Group Z	99

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
Hexadecimal	00h	01h	02h

■ Parameters (*4)

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

■ Response (Callback)

In the period when the command can be accepted

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

In the period when the command cannot be accepted

Hexadecimal	02h	*5	FFh	03h
	STX	ID	Error	ETX

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
Yes	No	Yes	Yes	Yes	Yes	Yes

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	*5	FEh	*2	*3	*4	*5	*6	*7	*8	*9	03h
	STX	ID		Parameters 1				Parameters 2				ETX

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
Yes	Yes	Yes	Yes	Yes	Yes	Yes

■ Parameters (*2, *3, *4, *5)

	*2							*3							*4							*5							
Bit	31						24	23						16	15						8	7						0

Bit	Name	Description	Condition of Clear Bit
bit31	Main CPU error	The main CPU circuit is abnormal. It is a breakdown when not recovering even if the power is turned on again.	Power ON
bit30	Fan error	The fan and/or fan drive circuit is abnormal. It is a breakdown when not recovering even if the power is turned on again.	Power ON
bit29	Optical module temperature error	Abnormally high temperature is detected inside this projector and the shutdown has occurred. • The ventilation holes may be closed. • The ambient temperature in the place of use may be too high. • The air filter may accumulate dust.	Power ON
bit28	Intake air temperature error		Power ON
bit27	Lamp surroundings temperature error		Power ON
bit26	For extension	The value is undefined.	—
bit25	Lamp 2 ON time error (Shutdown)	The lamp ON time exceeds specified cumulative usage time, and becomes a period when the lamp unit is replaced.	Lamp 2 reset
bit24	Lamp 1 ON time error (Shutdown)		Lamp 1 reset
bit23	Lamp 2 ON failure	It fails in the turning ON the lamp. • The power may have been turned on straight away after it was turned off.	Lamp 2 ON success
bit22	Lamp 1 ON failure		Lamp 1 ON success
bit21	Aperture error	Not used in this projector	—
bit20	Shutter error	It fails in the operation of the shutter. It is a breakdown when not recovering even if the power is turned on again.	Power ON
bit19	Optical module temperature sensor disconnected	The thermosensor in this projector has breaking of wire, or connector A10 is disconnected.	MAIN POWER ON
bit18	Intake air temperature sensor disconnected	The intake air thermosensor has breaking of wire, or connector A9 is disconnected.	MAIN POWER ON
bit17	Lamp surroundings temperature sensor disconnected	The lamp surroundings thermosensor has breaking of wire, or connector A11 is disconnected.	MAIN POWER ON
bit16	Warning of battery for clock	It is necessary to replace the battery (CR2032) on the battery holder B2501.	Battery replacement

Bit	Name	Description	Condition of Clear Bit
bit15	Warning of optical module low temperature	The ambient temperature in the place of use may be 0°C or lower. If the temperature inside this projector does not rise within 5 minutes after the turning on the lamp, the shutdown occurs.	• Becomes higher than the warning release temperature during power-on. • Power ON
bit14	Warning of optical module high temperature	The temperature inside this projector has become high. If the temperature rises any further, the shutdown occurs. • The ventilation holes may be closed. • The ambient temperature in the place of use may be too high. • The air filter may accumulate dust.	• Becomes lower than the warning release temperature during power-on. • Power ON
bit13	Warning of intake air high temperature		
bit12	Warning of exhaust air or lamp surroundings high temperature		
bit11	For test	The value is undefined.	MAIN POWER ON
bit10	For extension	The value is undefined.	—
bit09	For extension	The value is undefined.	—
bit08	For extension	The value is undefined.	—
bit07	Lamp 2 ON time error	It becomes a period when the lamp unit is replaced. Prepare a new lamp unit. The shutdown will occur within 200 hours.	Lamp 2 reset
bit06	Lamp 1 ON time error		Lamp 1 reset
bit05	For extension	The value is undefined.	—
bit04	For extension	The value is undefined.	—
bit03	For extension	The value is undefined.	—
bit02	Color wheel rotation error	The color wheel and/or color wheel drive circuit is abnormal. It is a breakdown when not recovering even if the power is turned on again.	Power ON
bit01	Cover open error	Does the lamp unit cover open?	Close the lamp unit cover and turn on MAIN POWER.
bit00	For extension	The value is undefined.	

■ Parameters 2 (*6, *7, *8, *9)
For extension, the value is undefined.