

SONY®

DATA PROJECTOR

PROTOCOL MANUAL
(SUPPORTED COMMAND LIST)
1st Edition

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Revision History

The information contained in this manual does not guarantee compatibility or operability of the Sony projector models listed in this manual with all other equipment and systems.
Sony is not responsible for product malfunctions resulting from failure to follow the instructions and information contained herein. For details on the projector models listed herein, please refer to the Sony user manuals and operating instructions.
The information and specifications contained herein are subject to change without notice.

Related Manuals

The following manual is provided for this unit in addition to this “Protocol Manual (SUPPORTED COMMAND LIST) ”.

• “Protocol Manual” (COMMON)

This manual describes the basic configuration and operation to write the various commands to be used in the serial communication (RS-232C) and network communication for the projector.

1. Overview

This manual is a protocol and command correspondence list in each projector model.
For details of each protocol, refer to REMOTE CONTROL PROTOCOL MANUAL (COMMON) on separate sheet.

Protocol for each model

(○: supported (initial setting: ON), ●: supported (initial setting: OFF), –: not supported)

Protocol	VPL-*** series (***) means model name)																			Remarks	
	FHZ131/ FHZ101/ FHZ91/ F1301Z/ F1001Z/F901Z	FHZ120/ FHZ90/ F1200Z/ F900Z	FHZ70/FHZ60/FHZ50/ FWZ60/ F640HZ/ F630HZ/F540HZ/ F530HZ/F430HZ/ F630WZ/F530WZ	FH60/FW60/ F530H/ F630H/ F630W/ F530W	FHZ700/ F700HZ	FH30/ F400H/ F500H	CXZ10/ CWZ10/ C500XZ/ C500WZ	PHZ60/ PHZ50/ P620HZ/ P520HZ	FHZ80/ F750HZ/ F650HZ	PHZ61	C300	E200	E300	E400/ E500	S200	S600	P12/ P501	P10/ P500	U300		
SDAP	●	○	○	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
ADCP	●	○	○	○	○	○	●	●	●	●	○	○	○	○	○	○	○	●	○	○	Initial setting of authentication during connection is also ON. For the individual command correspondence, refer to ADCP in Section 2.
PJLink	●	○	○	○	●	●	●	●	●	●	○	○	○	○	○	○	○	●	○	○	Menu setting item to set whether or not to always perform the communication with the projector control device in the environment where network is connected.
DDDP (AMX Dynamic Device Discovery Protocol)	●	○	○	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Function is always ON during serial connection.
SDDP (Control4 Simple Device Discovery Protocol)	—	—	—	—	—	—	●	●	●	●	—	—	—	—	—	—	—	—	—	—	
CIP (Crestron Internet Protocol)	●	○	○	○	○	○	●	●	●	●	○	○	○	○	○	○	○	●	○	○	
SNMP (Simple Network Management Protocol)	●	○	○	○	○	○	—	○	○	●	—	—	—	—	—	—	—	—	—	—	
PJ Control API	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Other items for each model

(○: supported/—: not supported)

Item	VPL-*** series (***) means model name)																	Remarks
	FHZ120/FHZ90/ F1200Z/F900Z/ FHZ131/FHZ101/ FHZ91/F1301Z/ F1001Z/F901Z	FHZ70/FHZ60/FHZ50/ FWZ60/ F640HZ/ F630HZ/F540HZ/ F530HZ/F430HZ/ F630WZ/F530WZ	FH60/FW60/ F530H/ F630H/ F630W/ F530W	FHZ700/ F700HZ	FH30/ F400H/ F500H	CXZ10/ CWZ10/ C500XZ/ C500WZ	PHZ60/ PHZ50/ P620HZ/ P520HZ	FHZ80/ F750HZ/ F650HZ	PHZ61	C300	E200	E300	E400/ E500	S200	S600	P10/ P500/ P12/ P501	U300	
Ethernet terminal provided	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
Standby mode menu setting item	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	Power consumption setting during the standby state If set to “Low”, the network function cannot be used during the standby state. When performing the power ON/OFF and so on in the network connection, set this item to “standard”.
Network management menu setting item	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Menu setting item to set whether or not to always perform the communication with the projector control device in the environment where network is connected.

1-1. Communication Restriction by Models

There are timings of no protocol communication accepted.
In those timings, input command will be cancelled, and transmitted data will be ignored.
Hence, please avoiding those timings and control the product.

- 5 seconds after Power-ON executed.
- 10 seconds after Power-OFF executed.

Subject models: VPL-*** series (***) is model name)
CXZ10/CWZ10/C500XZ/C500WZ
PHZ60/PHZ50/P620HZ/P520HZ
FHZ80/F750HZ/F650HZ
PHZ61/PHZ51/P630HZ/P530HZ

2. Correspondence of ADCP Command in Each Projector Model

2-1. System Command

A system command can acquire the projector power operation and the power, error, or warning status. The type of a command is classified as follows:

- sys_sel command type: Sets the selected value for turning on and off the power.
- sys_stat command type: Acquires the status.
- sys_var command type: Sets the network address.

2-1-1. Command Type: sys_sel

By optional designation, the command of a sys_sel command type can set values and acquire values, settable choices, and command information.

Command name	command
Value to be set	txt_param1
Settable choice	txt_param1, txt_param2

In the case described above, commands conform to the formats below, respectively.

Setting of value

Transmitting example: command "txt_param1" 

Returning example: ok 

Sets the selected value using a command. The selected value is enclosed with double quotation marks (" ").

Inquiry of value:

Transmitting example: command ? 

Returning example: "txt_param1" 

Acquires the selected value of the set parameter.
The selected value that has been set is returned with the value being enclosed in double quotation marks (" ").

Inquiry of value range:

Transmitting example: command ? --range 

Returning example: ["txt_param1", "txt_param2"] 

Acquires a list of parameter-selected values that can be set.

Inquiry of command information:

Transmitting example: command ? --info 

Returning example: { "type": "sys_sel", "version": "1.0", "range": ["txt_param1", "txt_param2"] } 

Acquires the command information.
A command type, command version, and a list of selected values that can be set using a command are returned as command information.

1. Command list

Function	Command	Parameter/ response	Remarks	VPL-*** series (***) means model name)																
				FHZ120/FHZ90/ F1200Z/F900Z/ FHZ131/FHZ101/ FHZ91/F1301Z/ F1001Z/F901Z	FHZ70/FHZ60/FHZ50/ FWZ60/ F640HZ/ F630HZ/F540HZ/ F530HZ/F430HZ/ F630WZ/F530WZ	FH60/FW60/ F530H/ F630H/ F630W/ F530W	FHZ700/ F700HZ	FH30/ F400H/ F500H	CXZ10/ CWZ10/ C500XZ/ C500WZ	PHZ60/ PHZ50/ P620HZ/ P520HZ	FHZ80/ F750HZ/ F650HZ	PHZ61	C300	E200	E300	E400/ E500	S200	S600	P10/ P500/ P12/ P501	U300
Power on/off operation	power*1	"on "	Power on operation	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"off "	Power off operation	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
IPv4 network setting	ipv4_network_setting*2	"start "	Setting start	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"apply "	Setting reflection	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
IPv4 address setting method Setting/acquisition	ipv4_set_method ipv4_set_method ?	"auto "	Auto	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"manual "	Manual*3	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

*1: A value cannot be acquired. Use the power_status ? command of a sys_stat command type when acquiring the power state.

2. Command example

Transmitting example	Character	p	o	w	e	r	_	"	o	n	"	↵
	Hex code	70	6F	77	65	72	20	22	6F	6E	22	0D 0A
Returning example	Character	o	k	↵								
	Hex code	6F	6B	0D 0A								

*2: During network setting, set an address after sending "start". Then, send "apply" and reflect the setting.

Example

```
ipv4_network_setting "start" ↵
ipv4_set_method "auto" ↵
ipv4_dns_set_method "auto" ↵
ipv4_network_setting "apply" ↵
```

*3: Set each address using the network setting command of a sys_var command category when selecting "manual". Then, send "apply" and reflect the setting.

Example

```
ipv4_network_setting "start" ↵
ipv4_set_method "manual" ↵
ipv4_ip_address "XXX.XXX.XXX.XXX" ↵
ipv4_sub_net_mask "XXX.XXX.XXX.XXX" ↵
ipv4_default_gateway "XXX.XXX.XXX.XXX" ↵
ipv4_dns_server1 "XXX.XXX.XXX.XXX" ↵
ipv4_dns_server2 "XXX.XXX.XXX.XXX" ↵
ipv4_network_setting "apply" ↵
```

2-1-2. Command Type: sys_stat

By optional designation, the command of a sys_stat command type can acquire values and command information.
Command name: In the case of "command", the following format is used.

Acquisition of value:

- Transmitting example: command: command ?

Returning example: "txt_param"

["txt_param1", "txt_param2"]

[{"val1":100}, {"val2":200}]
- The system status information is inquired.

When the information of single system status is returned

When using the command that handles multiple items in response, it is returned in the JSON array format.

In the timer and version information, the name of each value and the JSON associative array of the value are returned in the array format.

Acquisition of command information:

- Transmitting example: command ? --info

Returning example: {"type":"sys_stat","version":"1.0"}
- The command information is inquired.

1. Command list

Function	Command	Response	Remarks	VPL-*** series (*** means model name)																
				FHZ120/FHZ90/ F1200Z/F900Z/ FHZ131/FHZ101/ FHZ91/F1301Z/ F1001Z/F901Z	FHZ70/FHZ60/FHZ50/ FWZ60/ F640HZ/ F630HZ/F540HZ/ F530HZ/F430HZ/ F630WZ/F530WZ	FH60/FW60/ F530H/ F630H/ F630W/ F530W	FHZ700/ F700HZ	FH30/ F400H/ F500H	CXZ10/ CWZ10/ C500XZ/ C500WZ	PHZ60/ PHZ50/ P620HZ/ P520HZ	FHZ80/ F750HZ/ F650HZ	PHZ61	C300	E200	E300	E400/ E500	S200	S600	P10/ P500/ P12/ P501	U300
Power status acquisition	power_status ?	"standby"	Standby	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"startup"	Start up in progress	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"on"	Power on	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"cooling1"	Cooling 1	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"cooling2"	Cooling 2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"saving_cooling1"	Power saving cooling 1	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"saving_cooling2"	Power saving cooling 2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"saving_standby"	Power saving standby	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"update"	Software update	○	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Error status acquisition	error ?	Example) ["err_power", "err_fan"]	The JSON array data of a factor is as follows:																	
		"no_err"	No error	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"err_power"	Power supply error	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"err_power2"	Power supply (D5V) error	○	○	○	○	○	—	—	—	—	○	○	○	○	○	○	○	○
		"err_system2"	System error 2	○	○	○	○	○	—	—	—	—	○	○	○	○	○	○	○	○
		"err_cover"	Cover error	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"err_light_src"	Light-source error	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"err_lens_cover"	Lens cover error	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		"err_shock"	Shock error	○	○	—	○	—	—	—	—	—	—	—	—	—	—	—	○	○
		"err_nolens"	Lens not attached error	○	○	○	○	—	—	—	○	—	—	—	—	—	—	—	—	—
		"err_attitude"	Installation angle error	○	○	○	—	—	—	—	—	—	—	—	—	—	—	—	○	○
		"err_temp"	Temperature error	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"err_fan"	Fan error	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"err_wheel"	Wheel rotation error	○	○	—	○	—	○	○	○	○	—	—	—	—	—	—	○	○
		"err_light_over"	Luminance error	○	○	—	○	—	—	—	—	—	—	—	—	—	—	—	○	○
		"err_assy"	Assembling error	○	○	○	○	○	—	—	—	—	○	○	○	○	○	○	○	○
		"err_lens_shift"	Lens shift error	○	○	○	○	—	—	—	○	—	—	—	—	—	—	—	—	—
		"err_shutter"	Shutter error	—	—	—	—	—	—	—	—	—	—	—	—	○	—	—	—	—
		"err_clogging"	Clogging error	—	—	—	—	—	—	—	—	○	—	—	—	—	—	—	—	—

Function	Command	Response	Remarks	VPL-*** series (*** means model name)																
				FHZ120/FHZ90/ F1200Z/F900Z/ FHZ131/FHZ101/ FHZ91/F1301Z/ F1001Z/F901Z	FHZ70/FHZ60/FHZ50/ FWZ60/ F640HZ/ F630HZ/F540HZ/ F530HZ/F430HZ/ F630WZ/F530WZ	FH60/FW60/ F530H/ F630H/ F630W/ F530W	FHZ700/ F700HZ	FH30/ F400H/ F500H	CXZ10/ CWZ10/ C500XZ/ C500WZ	PHZ60/ PHZ50/ P620HZ/ P520HZ	FHZ80/ F750HZ/ F650HZ	PHZ61	C300	E200	E300	E400/ E500	S200	S600	P10/ P500/ P12/ P501	U300
Warning status acquisition	warning ?	Example) ["warn_temp", "warn_signal_sel"]	The JSON array data of a factor is as follows:																	
		"no_warn"	No warning	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"warn_light_src_life"	Light- source life warning	–	–	○	–	○	○	○	○	○	○	○	○	○	○	○	–	–
		"warn_highland"	High altitude warning	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"warn_temp"	Temperature warning	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"warn_signal_freq"	Signal frequency warning	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"warn_signal_sel"	Signal type warning	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"warn_clogging_l1"	Filter clogging notification level 1	–	–	–	–	–	–	–	–	○	–	–	–	–	–	–	–	–
		"warn_clogging_l2"	Filter clogging warning level 2	–	–	–	–	–	–	–	–	○	–	–	–	–	–	–	–	–
		"warn_clogging_l3"	Filter clogging warning level 3	–	–	–	–	–	–	–	–	○	–	–	–	–	–	–	–	–
"warn_prs"	Pressure sensor warning	–	–	–	–	–	–	–	–	○	–	–	–	–	–	–	–	–		
Timer acquisition	timer ?	Example) [{"operation":3400}, {"light_src":2300}, {"prev_light_src":3000}]	JSON object array of each timer value	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	filter_timer ?	Example) "1000"	Filter timer value inquiry	–	–	–	–	–	–	–	–	○	–	–	–	–	–	–	–	
Filter status acquisition	filter_status ?	"normal"	Maintenance is not required.	○	○	○	○	○	–	–	○	○	○	○	○	○	○	○	○	
		"clean"	Filter cleaning is required.	○	○	–	○	○	–	–	○	○	○	○	○	○	○	○*	○*	
		"replace"	Filter replacement is required.	○	○	–	–	–	–	–	○	○	–	–	–	–	–	–	–	
		"cleanup_step1"	Filter auto-cleaning is required. 1	○	○	○	–	–	–	–	○	–	–	–	–	–	–	○*	○*	
		"cleanup_step2"	Filter auto-cleaning is required. 2	○	○	○	–	–	–	–	○	–	–	–	–	–	–	–	○*	○*
Model name acquisition	modelname ?	Example) "VPL-FHZ65"	Model name	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
Serial number acquisition	serialnum ?	Example) "012345678"	Serial number	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
Input signal status acquisition	signal ?	"Video60"	60Hz video signal	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"Video50"	50Hz video signal	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"480_60i"	480/60i	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"576/50i"	576/50i	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"480/60p"	480/60p	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"576/50p"	576/50p	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"1080/60i"	1080/60i	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"1080/50i"	1080/50i	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"1080/24psF"	1080/24psF	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"720/60p"	720/60p	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"720/50P"	720/50P	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"1080/60p"	1080/60p	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"1080/50p"	1080/50p	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"1080/24p"	1080/24p	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"1080/30p"	1080/30p	○	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
		"640x350"	640 × 350	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"640x400"	640 × 400	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"640x480"	640 × 480	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	

※: Some models are not provided with the function. Check the Operating Instructions supplied with this unit.

Function	Command	Response	Remarks	VPL-*** series (** means model name)																
				FHZ120/FHZ90/ F1200Z/F900Z/ FHZ131/FHZ101/ FHZ91/F1301Z/ F1001Z/F901Z	FHZ70/FHZ60/FHZ50/ FWZ60/ F640HZ/ F630HZ/F540HZ/ F530HZ/F430HZ/ F630WZ/F530WZ	FH60/FW60/ F530H/ F630H/ F630W/ F530W	FHZ700/ F700HZ	FH30/ F400H/ F500H	CXZ10/ CWZ10/ C500XZ/ C500WZ	PHZ60/ PHZ50/ P620HZ/ P520HZ	FHZ80/ F750HZ/ F650HZ	PHZ61	C300	E200	E300	E400/ E500	S200	S600	P10/ P500/ P12/ P501	U300
Input signal status acquisition	signal ?	"800x600"	800 × 600	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"832x624"	832 × 624	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"1024x768"	1024 × 768	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"1152x864"	1152 × 864	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"1152x900"	1152 × 900	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"1280x960"	1280 × 960	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"1280x1024"	1280 × 1024	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"1400x1050"	1400 × 1050	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"1600x1200"	1600 × 1200	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"1280x768"	1280 × 768	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"1280x720"	1280 × 720	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"1920x1080"	1920 × 1080	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"1920x1200"	1920 × 1200	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"1366x768"	1366 × 768	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"1440x900"	1440 × 900	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"1680x1050"	1680 × 1050	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"1280x800"	1280 × 800	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"1600x900"	1600 × 900	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"2048x1080/24p"	2048 × 1080/24p	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		"2048x1080/24psF"	2048 × 1080/24psF	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		"2160/24p"	2160/24p	–	–	–	–	–	–	○	○	○	–	–	–	–	–	–	–	–
		"2160/25p"	2160/25p	–	–	–	–	–	–	○	○	○	–	–	–	–	–	–	–	–
		"2160/30p"	2160/30p	–	–	–	–	–	–	○	○	○	–	–	–	–	–	–	–	–
		"Invalid"	Unknown status	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		"<H resolution> x <V resolution?"	Custom resolution	○	○	○	○	○	–	–	–	–	○	○	○	○	○	○	○	○
MAC address acquisition	mac_address ?	Example) "08-12-34-ab-cd-ef"	MAC address character string	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
IPv6 address set- ting method acquisition	ipv6_set_method ?	"auto"	Auto	○	○	○	○	–	–	–	–	–	–	–	–	–	–	–	–	–
		"manual"	Manual	○	○	○	○	–	–	–	–	–	–	–	–	–	–	–	–	–
IPv6 DNS address setting method acquisi- tion	ipv6_dns_set_method ?	"auto"	Auto	○	○	○	○	–	–	–	–	–	–	–	–	–	–	–	–	–
		"manual"	Manual	○	○	○	○	–	–	–	–	–	–	–	–	–	–	–	–	–
(IPv6) IP address acquisition	ipv6_ip_address ?	IPv6 address character string Example) "2001:db8::1:0:0:1" * For details of the notation, refer to RFC5952 “A Recom- mendation for IPv6 Address Representation”. IPv6 prefix length Example) 64		○	○	○	○	–	–	–	–	–	–	–	–	–	–	–	–	–
(IPv6) default gateway address acquisition	ipv6_default_gateway ?			○	○	○	○	–	–	–	–	–	–	–	–	–	–	–	–	–
(IPv6) DNS1 address acquisi- tion	ipv6_dns_server1 ?			○	○	○	○	–	–	–	–	–	–	–	–	–	–	–	–	–

Function	Command	Response	Remarks	VPL-*** series (*** means model name)																
				FHZ120/FHZ90/ F1200Z/F900Z/ FHZ131/FHZ101/ FHZ91/F1301Z/ F1001Z/F901Z	FHZ70/FHZ60/FHZ50/ FWZ60/ F640HZ/ F630HZ/F540HZ/ F530HZ/F430HZ/ F630WZ/F530WZ	FH60/FW60/ F530H/ F630H/ F630W/ F530W	FHZ700/ F700HZ	FH30/ F400H/ F500H	CXZ10/ CWZ10/ C500XZ/ C500WZ	PHZ60/ PHZ50/ P620HZ/ P520HZ	FHZ80/ F750HZ/ F650HZ	PHZ61	C300	E200	E300	E400/ E500	S200	S600	P10/ P500/ P12/ P501	U300
(IPv6) DNS2 address acqui- sition	ipv6_dns_server2 ?	IPv6 address character string Example) "2001:db8::1:0:0:1"		○	○	○	○	—	—	—	—	—	—	—	—	—	—	—	—	—
(IPv6) IP address prefix acquisition	ipv6_prefix ?	* For details of the notation, refer to RFC5952 “A Recom- mendation for IPv6 Address Representation”. IPv6 prefix length Example) 64		○	○	○	○	—	—	—	—	—	—	—	—	—	—	—	—	—

2. Command example

Transmitting example	Character	p	o	w	e	r	_	s	t	a	t	u	s	_	?	↵
	Hex code	70	6F	77	65	72	5F	73	74	61	74	75	73	20	3F	0D 0A
Returning example	Character	"	s	t	a	n	d	b	y	"	↵					
	Hex code	22	73	74	61	6E	64	62	79	22	0D 0A					

2-1-3. Command Type: sys_var

You can set and obtain the items of special value representation with the command of the “sys_var” command type.

Command name: In the case of "command", the following format is used.

Setting of value:

Transmitting example: command "192.168.0.1" 
Returning example: ok 

Inquiry of value:

Transmitting example: command ? 
Returning example: "192.168.0.1" 

Inquiry of settable value range:

Transmitting example: command ? --range 
Returning example: { "min": "0.0.0.0", "max": "255.255.255.255" } 

1. System numeric command

Function	Command	Parameter/response	VPL-*** series (***) means model name)																
			FHZ120/FHZ90/ F1200Z/F900Z/ FHZ131/FHZ101/ FHZ91/F1301Z/ F1001Z/F901Z	FHZ70/FHZ60/FHZ50/ FWZ60/ F640HZ/ F630HZ/F540HZ/ F530HZ/F430HZ/ F630WZ/F530WZ	FH60/FW60/ F530H/F630H/ F630W/ F530W	FHZ700/ F700HZ	FH30/ F400H/ F500H	CXZ10/ CWZ10/ C500XZ/ C500WZ	PHZ60/ PHZ50/ P620HZ/ P520HZ	FHZ80/ F750HZ/ F650HZ	PHZ61	C300	E200	E300	E400/ E500	S200	S600	P10/ P500/ P12/ P501	U300
(IPv4) IP address setting/acquisition	ipv4_ip_address ipv4_ip_address ?	IPv4 address character string Example) "192.168.0.1"	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
(IPv4) subnet mask setting/acquisition	ipv4_sub_net_mask ipv4_sub_net_mask ?		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
(IPv4) default gateway address setting/acquisition	ipv4_default_gateway ipv4_default_gateway ?		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
(IPv4) DNS1 address setting/acquisition	ipv4_dns_server1 ipv4_dns_server1 ?		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
(IPv4) DNS2 address setting/acquisition	ipv4_dns_server2 ipv4_dns_server2 ?		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

2. Command example

Transmitting example	Character	i	p	v	4	_	i	p	_	a	d	d	r	e	s	s	_	?	↵	
	Hex code	69	70	76	34	5F	69	70	5F	61	64	64	72	65	73	73	20	3F	0D	0A
Returning example	Character	"	1	9	2	.	1	6	8	.	0	.	1	"	↵					
	Hex code	22	31	39	32	2E	31	36	38	2E	30	2E	31	22	0D	0A				

2-2. Menu Command

2-2-1. Command Type: menu_sel/menu_val/menu_exec

By optional designation, the command of a menu_sel/menu_val/menu_exec command type can set and acquire menu values, and acquire command information.

Command name: In the case of “cmd”, the following format is used.

Command Type		Set		Reset	Query
		Direct	Relative		Value
menu_sel	Transmitting example	cmd "item"		cmd --reset	cmd ?
	Returning example	ok		ok	"item"
menu_num	Transmitting example	cmd 10	cmd --rel -1	cmd --reset	cmd ?
	Returning example	ok	ok	ok	10
menu_exec	Transmitting example	cmd		–	–
	Returning example	ok			

Command Type		Query	
		Range	Command info
menu_sel	Transmitting example	cmd --range	cmd --info
	Returning example	"item"	{ "type": "menu_sel", "version": "1.0", "range": ["item", "item2"] }
menu_num	Transmitting example	cmd --range	cmd --info
	Returning example	{ "min": 0, "max": 10 }	{ "type": "menu_num", "version": "1.0", "range": { "min": 0, "max": 10 } }
menu_exec	Transmitting example	–	cmd --info
	Returning example		{ "type": "menu_exec", "version": "1.0" }

1. Command list

Remote control function command

Function	Command	Selected value/ numeric value	Remarks	VPL-*** series (***) means model name)																Type	
				FHZ120/ FHZ90/ F1200Z/ F900Z/ FHZ131/ FHZ101/ FHZ91/ F1301Z/ F1001Z/F901Z	FHZ70/FHZ60/ FHZ50/FWZ60/ F640HZ/ F630HZ/ F540HZ/ F530HZ/ F430HZ/ F630WZ/ F530WZ	FH60/ FW60/ F530H/ F630H/ F630W/ F530W	FHZ700/ F700HZ	FH30/ F400H/ F500H	CXZ10/ CWZ10/ C500XZ/ C500WZ	PHZ60/ PHZ50/ P620HZ/ P520HZ	FHZ80/ F750HZ/ F650HZ	PHZ61	C300	E200	E300	E400/E500	S200	S600	P10/ P500/ P12/ P501		U300
Input terminal selection command	input	The following terminal names are used in all models.																		menu_sel	
		"video1"	Video terminal 1	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		○
		"svideo1"	S video terminal 1	—	—	—	○	○	—	—	—	—	○	○	○	○	○	○	—		○
		"rgb1"	RGB terminal 1	○ (Input A)	○ (Input A)	○ (Input A)	○ (Input A)	○ (Input A)	○ (Input A)	○ (Input A)	○ (Input A)	○ (Input A)	○ (Input A)	○ (Input A)	○ (Input A)	○ (Input A)	○ (Input A)	○ (Input A)	○ (Input A)		○ (Input A)
		"rgb2"	RGB terminal 2	○ (Input B)	—	—	○ (Input B)	○ (Input B)	—	—	—	—	—	○ (Input B)	○ (Input B)	○ (Input B)	○ (Input B)	○ (Input B)	—		○ (Input B)
		"dvi1"	DVI terminal 1	○ (Input C)	○ (Input B)	○ (Input B)	○ (Input C)	○ (Input C)	—	—	○ (Input B)	—	—	—	—	—	—	—	—		—
		"hdmi1"	HDMI terminal 1	○ (Input D)	○ (Input C)	○ (Input C)	○ (Input D)	○ (Input D)	○ (Input B)	○ (Input B)	○ (Input C)	○ (Input B)	○ (Input B)	○ (Input C)	○ (Input C)	○ (Input C)	○ (Input C)	○ (Input C)	○ (Input B)		○ (Input C)
		"hdmi2"	HDMI terminal 2	—	—	—	—	—	○ (Input C)	○ (Input C)	—	○ (Input C)	○ (Input C)	—	○ (Input D)	○ (Input D) *1	—	—	○ (Input C)		○ (Input D)
		"network"	Network	—	—	—	—	—	—	—	—	—	○	○	○	○	○	○	○		○
		"usb_a"	USB (type A)	—	—	—	—	—	—	—	—	—	—	○	○	○	○	○	—		—
		"usb_b"	USB (type B)	—	—	—	—	—	—	—	—	—	○	○	○	○	○	○	○		○
		"hdbaset1"	HDBaseT terminal 1	○ (Input E)	○ (Input D)	○ (Input D)	—	—	—	○ (Input D)	○ (Input D)	○ (Input D)	○ (Input D) *1	—	○ (Input E) *1	○ (Input E) *1	—	—	○ (Input D)		—
		"option1"	Option adapter 1	○ (Input F) *3	—	—	○ (Input E)	—	—	—	—	—	—	—	—	—	—	—	—		—
		"web_content"	Web content	○ (Input G)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		—
Video muting command	blank	"on"	ON	○*2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
		"off"	OFF	○*2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
Audio muting command	muting	"on"	ON	—	○	○	—	○	○	○	○	○	○*1	○*1	○*1	○*1	○	○	○	○	
		"off"	OFF	—	○	○	—	○	○	○	○	○	○*1	○*1	○*1	○*1	○	○	○	○	
Freeze (pausing of screen) function selection command	freeze	"on"	ON	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
		"off"	OFF	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
Dual-screen mode function selection com- mand	multi_screen	"on"	ON	○	○	○	○	○	—	—	—	—	—	—	—	—	—	—	—		
		"off"	OFF	○	○	○	○	○	—	—	—	—	—	—	—	—	—	—	—		

*1: Some models are not provided with the function. Check the Operating Instructions supplied with this unit.
*2: In the VPL-FHZ120/FHZ90/F1200Z/F900Z series, this function is supported in the firmware version PKG1.05 and later. If you cannot use this function, contact your local Sony Sales Office/Service Center.
*3: Not supported in the "VPL-FHZ90/F900Z" series.

Image quality setting function/Projection setting function

Function	Command	Selected value/ numeric value	Remarks	VPL-*** series (***) means model name)																	Type
				FHZ120/FHZ90/ F1200Z/F900Z/ FHZ131/FHZ101/ FHZ91/F1301Z/ F1001Z/F901Z	FHZ70/FHZ60/ FHZ50/FWZ60/ F640HZ/F630HZ/ F540HZ/F530HZ/ F430HZ/F630WZ/ F530WZ	FH60/ FW60/ F530H/ F630H/ F630W/ F530W	FHZ700/ F700HZ	FH30/ F400H/ F500H	CXZ10/ CWZ10/ C500XZ/ C500WZ	PHZ60/ PHZ50/ P620HZ/ P520HZ	FHZ80/ F750HZ/ F650HZ	PHZ61	C300	E200	E300	E400/ E500	S200	S600	P10/ P500/ P12/ P501	U300	
Selection of intelligent setting	intelligent_setting	"on"	On	—	—	—	—	—	—	—	○	○	—	—	—	—	—	—	—	—	menu_sel
		"off"	Off	—	—	—	—	—	—	—	○	○	—	—	—	—	—	—	—	—	
Selection of intelligent setting location	intelligent_setting_location	"meeting_class_room"	Meeting/class room	—	—	—	—	—	—	—	○	○	—	—	—	—	—	—	—	—	
		"museum"	Museum	—	—	—	—	—	—	—	○	○	—	—	—	—	—	—	—	—	
		"entertainment"	Entertainment	—	—	—	—	—	—	—	○	○	—	—	—	—	—	—	—	—	
		"multi_screen"	Multi screen	—	—	—	—	—	—	—	○	—	—	—	—	—	—	—	—	—	
Application of intelligent setting location	intelligent_setting_apply		Applies the selec- tion of location.	—	—	—	—	—	—	—	—	○	—	—	—	—	—	—	—	—	menu_exec
Selection of image quality mode	picture_mode	"dynamic"	Dynamic	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	menu_sel
		"standard"	Standard	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"brt_priority"	Brightness priority	○	○	○	○	—	—	—	○	○	—	—	—	—	—	—	—	—	
		"multi_screen"	Multi-screen	○	○	○	—	—	—	—	○	—	—	—	—	—	—	—	—	—	
		"presentation"	Presentation	—	—	—	○	○	○	○	—	—	○	○	○	○	○	○	○	○	
		"blackboard"	Blackboard	—	—	—	—	—	—	—	—	—	—	○	○	○	○	○	—	—	
		"whiteboard"	Whiteboard	—	—	—	—	—	—	—	—	—	—	○	○	○	○	○	—	—	
		"cinema"	Cinema	—	—	—	—	—	—	—	—	—	—	○	○	○	○	○	—	—	
		"vivid"	Vivid	—	—	—	—	—	○	○	—	—	—	—	—	○	—	—	—	—	
		"srgb"	sRGB	○ ^{*1}	—	—	—	—	—	—	—	—	—	○	○	—	○	○	—	—	
Resetting of image quality mode adjustment being selected	picture_mode_reset		Execution of reset	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	menu_exec
Adjustment of con- trast	contrast	<val>		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	menu_num
Adjustment of brightness	brightness	<val>		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
Adjustment of color depth	color	<val>		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
Adjustment of hue	hue	<val>		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
Adjustment of sharpness	sharpness	<val>		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
Selection of ambient	amb_light_sens	"on"		—	—	—	—	—	—	—	○	○	—	—	—	—	—	—	—	—	
		"off"		—	—	—	—	—	—	—	○	○	—	—	—	—	—	—	—	—	
Bright view	bright_view	"high"		—	—	—	—	—	—	○ ^{*2}	○	○	—	—	—	—	—	—	—	—	
		"mid"		—	—	—	—	—	—	○ ^{*2}	○	○	—	—	—	—	—	—	—	—	
		"low"		—	—	—	—	—	—	○ ^{*2}	○	○	—	—	—	—	—	—	—	—	
		"off"		—	—	—	—	—	—	○ ^{*2}	○	○	—	—	—	—	—	—	—	—	
Selection of color temperature	color_temp	"9300K"	9300K	○	○	○	—	—	○	○	○	○	—	—	—	—	—	—	—	—	menu_sel
		"7500K"	7500K	○	○	○	—	—	○	○	○	○	—	—	—	—	—	—	—	—	
		"6500K"	6500K	○	○	○	—	—	○	○	○	○	—	—	—	—	—	—	—	—	

*1: VPL-FHZ120/F1200Z/FHZ131/F1301Z series only
*2: Version 1.06 or later

Function	Command	Selected value/ numeric value	Remarks	VPL-*** series (***) means model name)																	Type
				FHZ120/FHZ90/ F1200Z/F900Z/ FHZ131/FHZ101/ FHZ91/F1301Z/ F1001Z/F901Z	FHZ70/FHZ60/FHZ50/ FWZ60/ F640HZ/ F630HZ/F540HZ/ F530HZ/F430HZ/ F630WZ/F530WZ	FH60/FW60/ F530H/ F630H/ F630W/ F530W	FHZ700/ F700HZ	FH30/ F400H/ F500H	CXZ10/ CWZ10/ C500XZ/ C500WZ	PHZ60/ PHZ50/ P620HZ/ P520HZ	FHZ80/ F750HZ/ F650HZ	PHZ61	C300	E200	E300	E400/ E500	S200	S600	P10/ P500/ P12/ P501	U300	
Selection of color temperature	color_temp	"high"	High	–	–	–	○	○	–	–	–	–	○	○	○	○	○	○	○	○	menu_sel
		"mid"	Middle	–	–	–	○	○	–	–	–	–	○	○	○	○	○	○	○	○	
		"mid2"	Middle 2	–	–	–	–	–	○	–	–	–	–	–	–	○	–	–	–	–	
		"low"	Low	–	–	–	○	○	–	–	–	–	○	○	○	○	○	○	○	○	
		"brt_priority"	Brightness priority*1	○	○	○	–	–	○	○	○	○	–	–	–	–	–	–	–	–	
		"brt_priority2"	Brightness priority 2	○	–	–	–	–	–	–	○	–	–	–	–	–	–	–	–	–	
		"custom1"	Custom 1	○	○	○	○	○	–	–	○	○	–	–	–	–	–	–	–	–	
		"custom2"	Custom 2	○	○	○	○	○	–	–	○	○	–	–	–	–	–	–	–	–	
		"custom3"	Custom 3	○	○	○	○	○	–	–	○	○	–	–	–	–	–	–	–	–	
		"custom4"	Custom 4	○	○	○	–	–	–	–	○	○	–	–	–	–	–	–	–	–	
Fine adjustment of custom color temperature Gain R	coltemp_gain_r	<val>		○	○	○	○	○	–	–	○	○	–	–	–	–	–	–	–	–	menu_num
Fine adjustment of custom color temperature Gain G	coltemp_gain_g	<val>		○	○	○	○	○	–	–	○	○	–	–	–	–	–	–	–	–	
Fine adjustment of custom color temperature Gain B	coltemp_gain_b	<val>		○	○	○	○	○	–	–	○	○	–	–	–	–	–	–	–	–	
Fine adjustment of custom color temperature Bias R	coltemp_bias_r	<val>		○	○	○	○	○	–	–	○	○	–	–	–	–	–	–	–	–	
Fine adjustment of custom color temperature Bias G	coltemp_bias_g	<val>		○	○	○	○	○	–	–	○	○	–	–	–	–	–	–	–	–	
Fine adjustment of custom color temperature Bias B	coltemp_bias_b	<val>		○	○	○	○	○	–	–	○	○	–	–	–	–	–	–	–	–	
Selection of light source (light/lamp) mode	light_output_mode	"high"	High	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	menu_sel
		"mid"	Standard	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"low"	Low	○	–	–	–	–	–	–	–	–	○	○	○	○	○	○	○	○	
		"auto"	Auto	–	–	–	○	–	–	–	–	–	○*2	○	○	○	○	○	○	○	
		"custom"	Custom	○	○	○	○	–	–	–	○	○	–	–	–	–	–	–	–	–	
		"extended"	Extended	○	○	–	○	–	○	○	○	○	–	–	–	–	–	–	–	–	
Adjustment of custom output in light source (light/ lamp) mode	light_output_val	<val>	Light output	○	○	○	○	–	–	○	○	○	–	–	–	–	–	–	–	–	menu_num

*1: VPL-FHZ120/FHZ90/F1200Z/F900Z/FHZ131/FHZ101/FHZ91/F1301Z/F1001Z/F901Z series is in "Brightness priority 1".

*2: Some models are not provided with the function. Check the Operating Instructions supplied with this unit.

Function	Command	Selected value/numeric value	Remarks	VPL-*** series (***) means model name)																	Type
				FHZ120/FHZ90/ F1200Z/F900Z/ FHZ131/FHZ101/ FHZ91/F1301Z/ F1001Z/F901Z	FHZ70/FHZ60/FHZ50/ FWZ60/ F640HZ/ F630HZ/F540HZ/ F530HZ/F430HZ/ F630WZ/F530WZ	FH60/FW60/ F530H/ F630H/ F630W/ F530W	FHZ700/ F700HZ	FH30/ F400H/ F500H	CXZ10/ CWZ10/ C500XZ/ C500WZ	PHZ60/ PHZ50/ P620HZ/ P520HZ	FHZ80/ F750HZ/ F650HZ	PHZ61	C300	E200	E300	E400/ E500	S200	S600	P10/ P500/ P12/ P501	U300	
Selection of bright- ness constant mode	constant_brt	"on"	ON	○	○	—	○	—	—	—	—	—	○	○	○	○	○	○	○	○	menu_sel
		"off"	OFF	○	○	—	○	—	—	—	—	—	○	○	○	○	○	○	○	○	
Selection of light source dynamic mode	light_output_dyn	"on"	ON	○	○	—	—	—	—	—	○	○	—	—	—	—	—	—	—	—	
		"off"	OFF	○	○	—	—	—	—	—	○	○	—	—	—	—	—	—	—	—	
Selection of color space	color_space	"custom1"	Custom 1	○	○	○	—	—	—	—	○	○	—	—	—	—	—	—	○	○	
		"custom2"	Custom 2	○	○	○	—	—	—	—	○	○	—	—	—	—	—	—	○	○	
		"custom3"	Custom 3	○	○	○	—	—	—	—	○	○	—	—	—	—	—	—	○	○	
		"custom4"	Custom 4	—	—	—	—	—	—	—	○	—	—	—	—	—	—	—	—	—	
Adjustment of chromaticity X axis (Cyan-Red) in color space	col_space_x	<val>	Specify the adjustment color from r/g/b with Suffix. Example) col_space_x --r 20  The chromaticity X axis of R (red) in color space is set to 20.	○	○	○	—	—	—	—	○	○	—	—	—	—	—	—	○	○	menu_num
Adjustment of chromaticity Y axis (Magenta-Green) in color space	col_space_y	<val>		○	○	○	—	—	—	—	○	○	—	—	—	—	—	—	○	○	
Selection of gamma mode	gamma_correction	"2.2"	2.2	○	○	○	—	—	○	○	○	○	—	—	—	—	—	—	○	○	menu_sel
		"2.4"	2.4	○	○	○	—	—	○	○	○	○	—	—	—	—	—	—	○	○	
		"gamma3"	Gamma 3	○	○	○	—	—	○	○	○	○	—	—	—	—	—	—	○	○	
		"gamma4"	Gamma 4	○	○	○	—	—	—	—	○	○	—	—	—	—	—	—	○	○	
		"graphics1"	Graphics1	—	—	—	○	○	—	—	—	—	○	○	○	○	○	○	—	—	
		"graphics2"	Graphics2	—	—	—	○	○	—	—	—	—	○	○	○	○	○	○	—	—	
		"graphics3"	Graphics3	—	—	—	—	—	—	—	—	—	—	○	○	○	○	○*	—	—	
		"text"	Txt	—	—	—	○	○	—	—	—	—	○	—	—	—	—	○*	—	—	
		"dicom_sim"	DICOM GSDF Sim.	○	○	○	○	○	—	○	○	○	○	—	—	—	—	—	○	○	
Selection of film mode	film_mode	"auto"	Auto	○	○	○	○	○	—	—	—	—	—	—	—	—	—	—	—	—	
		"off"	OFF	○	○	○	○	○	—	—	—	—	—	—	—	—	—	—	—	—	
Selection command of reality creation	real_cre	"on"	ON	○	○	○	—	—	—	○	—	—	—	—	—	—	—	—	○	○	
		"real_cre"		—	—	—	—		—	—	○	○	—	—	—	—	—	—	—	—	
		"real_txt"		—	—	—	—		—	—	○	○	—	—	—	—	—	—	—	—	
		"off"	OFF	○	○	○	—	—	—	○	○	○	—	—	—	—	—	—	○	○	
Adjustment com- mand of resolution of reality creation	real_cre_reso	<val>	Resolution	○	○	○	—	—	—	○	—	—	—	—	—	—	—	—	○	○	menu_num
Adjustment com- mand of noise reduction of reality creation	real_cre_noise	<val>	Noise Filtering	○	○	○	—	—	—	—	—	—	—	—	—	—	—	—	○	○	
Selection command of contrast enhancer effect	contrast_enh	"high"	High	○	○	○	○	○	—	—	—	—	—	—	—	—	—	—	○	○	menu_sel
		"mid"	Middle	○	○	○	—	—	—	—	—	—	—	—	—	—	—	—	○	○	
		"low"	Low	○	○	○	○	○	—	—	—	—	—	—	—	—	—	—	○	○	
		"off"	OFF	○	○	○	○	○	—	—	—	—	—	—	—	—	—	—	○	○	
Selection command of color correction	col_correction	"on"	ON	○	○	○	—	—	—	—	○	○	—	—	—	—	—	—	—	—	
		"off"	OFF	○	○	○	—	—	—	—	○	○	—	—	—	—	—	—	—	—	

※: Some models are not provided with the function. Check the Operating Instructions supplied with this unit.

Function	Command	Selected value/numeric value	Remarks	VPL-*** series (***) means model name)																	Type
				FHZ120/FHZ90/ F1200Z/F900Z/ FHZ131/FHZ101/ FHZ91/F1301Z/ F1001Z/F901Z	FHZ70/FHZ60/FHZ50/ FWZ60/ F640HZ/ F630HZ/F540HZ/ F530HZ/F430HZ/ F630WZ/F530WZ	FH60/FW60/ F530H/ F630H/ F630W/ F530W	FHZ700/ F700HZ	FH30/ F400H/ F500H	CXZ10/ CWZ10/ C500XZ/ C500WZ	PHZ60/ PHZ50/ P620HZ/ P520HZ	FHZ80/ F750HZ/ F650HZ	PHZ61	C300	E200	E300	E400/ E500	S200	S600	P10/ P500/ P12/ P501	U300	
Adjustment command of hue of color correction	col_corr_hue	<val>	Select the adjustment color from six colors (r/g/b/c/y/m) with Suffix. Example) col_corr_hue --r 20  Red is adjusted to 20.	☐	☐	☐	–	–	–	–	☐	☐	–	–	–	–	–	–	–	–	menu_num
Adjustment command of Color depth of color correction	col_corr_color	<val>		☐	☐	☐	–	–	–	–	☐	☐	–	–	–	–	–	–	–	–	
Adjustment command of color brightness of color correction	col_corr_brt	<val>		☐	☐	☐	–	–	–	–	☐	☐	–	–	–	–	–	–	–	–	

Screen setting function

Function	Command	Selected value/numeric value	Remarks	VPL-*** series (***) means model name)																	Type
				FHZ120/FHZ90/ F1200Z/F900Z/ FHZ131/FHZ101/ FHZ91/F1301Z/ F1001Z/F901Z	FHZ70/FHZ60/FHZ50/ FWZ60/ F640HZ/ F630HZ/F540HZ/ F530HZ/F430HZ/ F630WZ/F530WZ	FH60/FW60/ F530H/ F630H/ F630W/ F530W	FHZ700/ F700HZ	FH30/ F400H/ F500H	CXZ10/ CWZ10/ C500XZ/ C500WZ	PHZ60/ PHZ50/ P620HZ/ P520HZ	FHZ80/ F750HZ/ F650HZ	PHZ61	C300	E200	E300	E400/ E500	S200	S600	P10/ P500/ P12/ P501	U300	
Selection of video display aspect ratio	aspect	"4_3"	4:3	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	menu_sel
		"16_9"	16:9	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"full1"	Full 1	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"full2"	Full 2	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"full3"	Full 3	–	–	–	–	–	☐	☐	–	–	☐	☐	☐	☐	☐	☐	☐	☐	
		"normal"	Normal	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"full"	Full	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"zoom"	Zoom	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Adjustment of V center	v_center	<val>	Screen position up and down	☐	☐	☐	☐	☐	–	–	☐	☐	–	–	–	–	–	–	–	–	menu_num
Adjustment of V size	v_size	<val>	Vertical Size	☐	☐	☐	☐	☐	–	–	☐	☐	–	–	–	–	–	–	–	–	
Selection of overscan	overscan	"on"	ON	☐	☐	☐	☐	☐	–	–	☐	☐	–	–	–	–	–	–	–	–	menu_sel
		"off"	OFF	☐	☐	☐	☐	☐	–	–	☐	☐	–	–	–	–	–	–	–	–	
Execution of APA	apa_exec	–		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	menu_exec
Adjustment of video phase	pic_phase	<val>		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	menu_num
Adjustment of video pitch	pic_pitch	<val>		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Adjustment of video shift (H)	pic_shift_h	<val>		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Adjustment of video shift (V)	pic_shift_v	<val>		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

*: Some models are not provided with the function. Check the Operating Instructions supplied with this unit.

Function setting function

Function	Command	Selected value/ numeric value	Remarks	VPL-*** series (***) means model name)																	Type
				FHZ120/FHZ90/ F1200Z/F900Z/ FHZ131/FHZ101/ FHZ91/F1301Z/ F1001Z/F901Z	FHZ70/FHZ60/FHZ50/ FWZ60/ F640HZ/ F630HZ/F540HZ/ F530HZ/F430HZ/ F630WZ/F530WZ	FH60/FW60/ F530H/F630H/ F630W/ F530W	FHZ700/ F700HZ	FH30/ F400H/ F500H	CXZ10/ CWZ10/ C500XZ/ C500WZ	PHZ60/ PHZ50/ P620HZ/ P520HZ	FHZ80/ F750HZ/ F650HZ	PHZ61	C300	E200	E300	E400/ E500	S200	S600	P10/ P500/ P12/ P501	U300	
Adjustment of volume	volume	<val>	Volume	–	○	○	–	○	○	○	○	○	○*	○*	○*	○*	○	○	○	○	menu_num
Adjustment of micro- phone volume	mic_volume	<val>	Microphone volume	–	–	–	–	–	–	–	–	–	○*	○*	○*	○*	○	○	–	○	
Selection of speaker	speaker	"on"	ON	–	–	–	–	–	○	–	–	○	○*	○*	○*	○*	○	○	○	○	menu_sel
		"off"	OFF	–	–	–	–	–	○	–	–	○	○*	○*	○*	○*	○	○	○	○	
Selection of speaker setting	speaker_setting	"sync_power"	SYNC power	–	–	–	–	–	–	–	–	○	○*	–	–	–	–	–	○	○	
		"always_on"	Always ON	–	–	–	–	–	–	–	–	○	○*	–	–	–	–	–	○	○	
Selection of smart APA	smart_apas	"on"	ON	○	○	○	○	○	–	–	–	○	○	○	○	○	○	○	○	○	
		"off"	OFF	○	○	○	○	○	–	–	–	○	○	○	○	○	○	○	○	○	
Selection of CC display	cc_display	"off"	OFF	–	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"cc1"	CC1	–	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"cc2"	CC2	–	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"cc3"	CC3	–	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"cc4"	CC4	–	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"text1"	Text1	–	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"text2"	Text2	–	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"text3"	Text3	–	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
Selection of back- ground	background	"blue"	Blue	○	○	○	○	○	○	○	○	○	–	–	–	–	–	–	–	–	
		"black"	Black	○	○	○	○	○	○	○	○	○	–	–	–	–	–	–	–	–	
		"image"	Image	○	○	○	○	○	○	○	○	○	–	–	–	–	–	–	–	–	
		"web_content"	Web content	○	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
Selection of startup screen	startup_image	"on"	ON	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"off"	OFF	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
Auto execution setting of color calibration	calibration_auto	"on"	ON	○	○	○	–	–	–	–	–	–	–	–	–	–	–	–	○	○	
		"off"	OFF	○	○	○	–	–	–	–	–	–	–	–	–	–	–	–	○	○	
Execution of color calibration	calibration_start	–		○	○	○	–	–	–	–	–	–	–	–	–	–	–	–	○	○	menu_exec
Return the color calibration value to the previous it.	calibration_return	–		○	○	○	–	–	–	–	–	–	–	–	–	–	–	–	○	○	
Reset of color calibra- tion	calibration_reset	–		○	○	○	–	–	–	–	–	–	–	–	–	–	–	–	○	○	

※: Some models are not provided with the function. Check the Operating Instructions supplied with this unit.

Operation setting function

Function	Command	Selected value/ numeric value	Remarks	VPL-*** series (***) means model name)																	Type
				FHZ120/FHZ90/F1200Z/ F900Z/FHZ131/FHZ101/ FHZ91/F1301Z/F1001Z/ F901Z	FHZ70/FHZ60/FHZ50/ FWZ60/ F640HZ/F630HZ/ F540HZ/F530HZ/F430HZ/ F630WZ/F530WZ	FH60/FW60/ F530H/F630H/ F630W/F530W	FHZ700/ F700HZ	FH30/ F400H/ F500H	CXZ10/ CWZ10/ C500XZ/ C500WZ	PHZ60/ PHZ50/ P620HZ/ P520HZ	FHZ80/ F750HZ/ F650HZ	PHZ61	C300	E200	E300	E400/ E500	S200	S600	P10/ P500/ P12/ P501	U300	
Selection of display language	language	"english"	English	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	menu_sel
		"dutch"	Dutch	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"french"	French	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"italian"	Italian	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"german"	German	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"spanish"	Spanish	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"portuguese"	Portuguese	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"greek"	Greek	☐	☐	☐	☐	-	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"turkish"	Turkish	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"polish"	Polish	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"czech"	Czech	-	-	-	-	-	☐	☐	☐	☐	-	☐	☐	☐	☐	☐	☐	☐	
		"slovak"	Slovak	-	-	-	-	-	☐	☐	☐	☐	-	☐	☐	☐	☐	☐	☐	☐	
		"romanian"	Romanian	-	-	-	-	-	☐	☐	☐	☐	-	☐	☐	☐	☐	☐	☐	☐	
		"hungarian"	Hungarian	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"russian"	Russian	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"finnish"	Finnish	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"swedish"	Swedish	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"norwegian"	Norwegian	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"japanese"	Japanese	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"chinese_s"	Simplified Chinese	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"chinese_t"	Traditional Chinese	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"korean"	Korean	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"thai"	Thai	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"vietnamese"	Vietnamese	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"indonesian"	Indonesian	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"arabic"	Arabic	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"persian"	Persian	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Selection of menu display position	menu_pos	"bottom_left"	Bottom left	☐	☐	☐	☐	☐	-	-	☐	☐	☐	-	-	-	-	-	☐	☐	
		"center"	Center	☐	☐	☐	☐	☐	-	-	☐	☐	☐	-	-	-	-	-	☐	☐	
Selection of screen display	status_disp	"on"	ON	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"off"	OFF	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"all_off"	All OFF	☐	☐	☐	-	-	-	-	-	☐	-	-	-	-	-	-	-	-	
Selection of remote control light receiving portion	ir_receiver	"front_rear"	Front and rear	☐	☐	☐	☐	☐	-	-	☐	☐	☐	-	-	-	-	-	☐	-	
		"front"	Front	☐	☐	☐	☐	☐	-	-	☐	☐	☐	-	-	-	-	-	☐	-	
		"rear"	Rear	☐	☐	☐	☐	☐	-	-	☐	☐	☐	-	-	-	-	-	☐	-	
Selection of remote control ID	remote_id	"all"	All	☐	☐	☐	☐	☐	-	☐	☐	☐	-	-	-	-	-	-	-	-	
		"1"	1	☐	☐	☐	☐	☐	-	☐	☐	☐	-	-	-	-	-	-	-	-	
		"2"	2	☐	☐	☐	☐	☐	-	☐	☐	☐	-	-	-	-	-	-	-	-	
		"3"	3	☐	☐	☐	☐	☐	-	☐	☐	☐	-	-	-	-	-	-	-	-	
		"4"	4	☐	☐	☐	☐	-	-	☐	☐	☐	-	-	-	-	-	-	-	-	
Selection of control key lock	controlkey_lock	"on"	ON	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		"off"	OFF	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Selection of lens control lock	lens_lock	"on"	ON	☐	☐	☐	☐	-	-	-	☐	-	-	-	-	-	-	-	-	-	
		"off"	OFF	☐	☐	☐	☐	-	-	-	☐	-	-	-	-	-	-	-	-	-	

Connection/power setting function

Function	Command	Selected value/ numeric value	Remarks	VPL-*** series (*** means model name)																		Type
				FHZ120/FHZ90/ F1200Z/F900Z/ FHZ131/FHZ101/ FHZ91/F1301Z/ F1001Z/F901Z	FHZ70/FHZ60/FHZ50/ FWZ60/ F640HZ/ F630HZ/F540HZ/ F530HZ/F430HZ/ F630WZ/F530WZ	FH60/FW60/ F530H/ F630H/ F630W/ F530W	FHZ700/ F700HZ	FH30/ F400H/ F500H	CXZ10/ CWZ10/ C500XZ/ C500WZ	PHZ60/ PHZ50/ P620HZ/ P520HZ	FHZ80/ F750HZ/ F650HZ	PHZ61	C300	E200	E300	E400/ E500	S200	S600	P10/ P500/ P12/ P501	U300		
Selection of HDBaseT/ LAN Port of HDBT setting	hdbt_lan_mode	"hdbt"	HDBaseT	—	—	—	—	—	—	○	○	○	○*1	—	○*1	○*1	—	—	○*5	—	menu_sel	
		"lan"	LAN	—	—	—	—	—	—	○	○	○	○*1	—	○*1	○*1	—	—	○*5	—		
Selection of LAN setting of HDBT setting	hdbt_lan_term	"via_hdbt"	via HDBaseT	○	○	○	○*2	—	—	○	○	○	—	—	—	—	—	—	○*6	—		
		"lan"	LAN terminal	○	○	○	○*2	—	—	○	○	○	—	—	—	—	—	—	○*6	—		
Selection of HDBT/232C setting	hdbt_232c_term	"via_hdbt"	Via HDBaseT	○	○	○	○*2	—	—	○	○	○	○*1	—	○*1	○*1	—	—	○	—		
		"232c"	RS-232C	○	○	○	○*2	—	—	○	○	○	○*1	—	○*1	○*1	—	—	○	—		
Setting of Extron XTP connection	extron_xtp	"on"	On	○*3	○*4	—	—	—	—	○	○	○	—	—	—	—	—	—	○*6	—		
		"off"	Off	○*3	○*4	—	—	—	—	○	○	○	—	—	—	—	—	—	○*6	—		
Selection of signal type	signal_sel	"auto"	Auto	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
		"computer"	Computer	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
		"video_gbr"	Video GBR	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
		"component"	Component	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
		Select the input terminal with Suffix. Example) signal_sel --rgb1 "computer"  Set Input-A terminal to “computer”.		Only –rgb 1” can be specified.																		
Selection of web content setting	web_content	"usb"	Via USB	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		"network"	Via network	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Selection of color system	color_sys	"auto"	Auto	—	○	○	○	○	—	—	—	—	—	—	—	—	—	—	—	—		
		"ntsc358"	NTSC3.58	—	○	○	○	○	—	—	—	—	—	—	—	—	—	—	—	—		
		"pal"	PAL	—	○	○	○	○	—	—	—	—	—	—	—	—	—	—	—	—		
		"secam"	SECAM	—	○	○	○	○	—	—	—	—	—	—	—	—	—	—	—	—		
		"ntsc443"	NTSC4.43	—	○	○	○	○	—	—	—	—	—	—	—	—	—	—	—	—		
		"pal_m"	PAL-M	—	○	○	○	○	—	—	—	—	—	—	—	—	—	—	—	—		
		"pal_n"	PAL-N	—	○	○	○	○	—	—	—	—	—	—	—	—	—	—	—	—		
Selection of auto power saving (no signal)	powsave_nosig	"lampoff"	Lamp off	○	○	○	○	○	○	○	○	○	○	○	○	—	○	○	○	○		
		"sleep"	Sleep	—	—	—	—	—	—	—	—	—	—	—	○	—	—	—	—			
		"standby"	Standby	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
		"off"	OFF	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
Selection of auto power saving (invari- able signal)	powsave_statsig	"dimming"	Dimming	○	○	—	○	—	○	○	○	○	○	○	○	○	○	○	○	○		
		"off"	OFF	○	○	—	○	—	○	○	○	○	○	○	○	○	○	○	○	○		
Selection of auto power saving (invariable) dimming time	powsave_dim_time	"5min"	5 min	○	○	—	○	—	○	○	○	○	○	○	○	○	○	○	○	○		
		"10min"	10 min	○	○	—	○	—	○	○	○	○	○	○	○	○	○	○	○	○		
		"15min"	15 min	○	○	—	○	—	○	○	○	○	○	○	○	○	○	○	○	○		
		"20min"	20 min	○	○	—	○	—	○	○	○	○	○	○	○	○	○	○	○	○		
		"demo"	Demo	○	○	—	○	—	○	○	○	○	○	○	○	○	○	○	○	○		
	auto_light_output_cnt	"on"	On	—	—	—	—	—	—	—	—	○	—	—	—	—	—	—	—	—		
		"off"	Off	—	—	—	—	—	—	—	—	○	—	—	—	—	—	—	—	—		

*1: Some models are not provided with the function. Check the Operating Instructions supplied with this unit.
*2: Enabled only when the supported option is installed.
*3: VPL-FHZ131/FHZ101/FHZ91/F1301Z/F1001Z/F901Z series only
*4: VPL-FHZ70/F640HZ/F540HZ series only
*5: VPL-P10/P500 series only
*6: VPL-P12/P501 series only

Function	Command	Selected value/ numeric value	Remarks	VPL-*** series (*** means model name)																	Type
				FHZ120/ FHZ90/F1200Z/ F900Z/FHZ131/ FHZ101/ FHZ91/F1301Z/ F1001Z/F901Z	FHZ70/FHZ60/ FHZ50/FWZ60/ F640HZ/F630HZ/ F540HZ/F530HZ/ F430HZ/ F630WZ/ F530WZ	FH60/ FW60/ F530H/ F630H/ F630W/ F530W	FHZ700/ F700HZ	FH30/ F400H/ F500H	CXZ10/ CWZ10/ C500XZ/ C500WZ	PHZ60/ PHZ50/ P620HZ/ P520HZ	FHZ80/ F750HZ/ F650HZ	PHZ61	C300	E200	E300	E400/E500	S200	S600	P10/P500/ P12/P501	U300	
Selection of standby mode	standby_mode	"standard"	Standard	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	menu_sel
		"low"	Low	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
Selection of instant-on setting	instant_on	"off"	OFF	○	○	○	○	—	—	—	—	—	—	—	—	—	—	—	—	—	
		"10min"	10 min	○	○	○	○	—	—	—	—	—	—	—	—	—	—	—	—	—	
		"30min"	30 min	○	○	○	○	—	—	—	—	—	—	—	—	—	—	—	—	—	
Selection of direct power on	direct_powon	"on"	ON	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"off"	OFF	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
Light out control setting	ld_out_cnt	"quick"		—	—	—	—	—	—	—	○	○	—	—	—	—	—	—	—	—	
		"normal"		—	—	—	—	—	—	—	○	○	—	—	—	—	—	—	—	—	
		"off"		—	—	—	—	—	—	—	○	○	—	—	—	—	—	—	—	—	
Setting of auto power on	auto_poweron	"on"	ON	—	—	—	—	—	—	—	○	○	—	—	—	—	—	—	—	—	
		"off"	OFF	—	—	—	—	—	—	—	○	○	—	—	—	—	—	—	—	—	
Auto input select setting	auto_input_select	"on"	ON	—	—	—	—	—	—	—	○	○	—	—	—	—	—	—	—	—	
		"off"	OFF	—	—	—	—	—	—	—	○	○	—	—	—	—	—	—	—	—	
Selection of digital input dynamic range	dynamic_range	"auto"	Auto	○	○	○	○	—	○	○	○	○	○	—	○	○	—	○*1	○	○	
		"limited"	Limited	○	○	○	○	—	—	—	○	○	○	—	○	○	—	○*1	○	○	
		"full"	Full	○	○	○	○	—	—	—	○	○	○	—	○	○	—	○*1	○	○	
		Select the input terminal with Suffix. Example) dynamic_range --dvi1 "full"  Set DVI terminal to "full".		--dvi1 --hdmi1 --hdbaset1 --option1 (--option1: FHZ90/ F900Z only) can be specified.	--dvi1 --hdmi1 --hdbaset 1 can be specified.			—	—	—	--dvi1 --hdmi1 --hdbaset1 can be specified.	--hdmi1 --hdmi2 --hdbaset1 can be specified.	--hdmi1 --hdmi2 --hdbaset*1 can be specified.	—	--hdmi1 --hdmi2 --hdbaset*1 can be specified.	--hdmi1 --hdmi2 --hdbaset*1 can be specified.	—	--hdmi1 can be specified.	--hdmi1 --hdmi2 --hdbaset1	--hdmi1 --hdmi2	
Selection of digital long cable setting	digital_cable	"normal"	Normal	○	○	○	—	—	—	—	○	○	—	—	—	—	—	—	—	—	
		"long"	Long	○	○	○	—	—	—	—	○	○	—	—	—	—	—	—	—	—	
		Select the input terminal with Suffix. Example) digital_cable --hdmi1 "long"  Set HDMI terminal to "long".		Only --hdmi 1 can be specified.			—	—	—	—	Only --hdmi1 can be specified.	--hdmi1 --hdmi2 can be specified.	—	—	—	—	—	—	—	—	

*1: Some models are not provided with the function. Check the Operating Instructions supplied with this unit.

Installation setting function

Function	Command	Selected value/ numeric value	Remarks	VPL-*** series (*** means model name)																	Type
				FHZ120/ FHZ90/ F1200Z/ F900Z/ FHZ131/ FHZ101/ FHZ91/ F1301Z/ F1001Z/ F901Z	FHZ70/FHZ60/ FHZ50/FWZ60/ F640HZ/ F630HZ/ F540HZ/ F530HZ/ F430HZ/ F630WZ/ F530WZ	FH60/ FW60/ F530H/ F630H/ F630W/ F530W	FHZ700/ F700HZ	FH30/ F400H/ F500H	CXZ10/ CWZ10/ C500XZ/ C500WZ	PHZ60/ PHZ50/ P620HZ/ P520HZ	FHZ80/ F750HZ/ F650HZ	PHZ61	C300	E200	E300	E400/ E500	S200	S600	P10/ P500/ P12/ P501	U300	
Selection of screen setting mode	screen_fitting_mode	"curved"		-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	menu_sel
		"h_corner_wall"		-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	
		"v_corner_wall"		-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	
Selection of V keystone mode	v_keystone_mode	"auto"	Auto	-	-	-	-	-	-	-	-	-	○	○	○	○	○	-	-	-	
		"manual "	Manual	-	-	-	-	-	-	-	-	-	○	○	○	○	○	-	-	-	
Adjustment of V keystone	v_keystone	<val>		-	-	-	○	○	○	○	-	○	○	○	○	○	○	○	○	○	menu_num
Adjustment of H keystone	h_keystone	<val>		-	-	-	○	○	-	-	-	○	○	-	-	-	-	○	○		
Adjustment of V linearity	v_linearity	<val>		○	○	○	-	-	-	-	○	-	-	-	-	-	-	-	-		
Adjustment of H linearity	h_linearity	<val>		○	○	○	-	-	-	-	○	-	-	-	-	-	-	-	-		
Adjustment of V coordinate of cor- ner keystone	corner_keystone_v	<val>		○	○	○	○	○	-	-	○	-	○	-	-	-	-	-	○	○	
		Select the adjustment point from the following with Suffix. --top_left/--top_center/--top_right/- -center_left/--center_right/--bottom_ left/--bottom_center/--bottom_right Example) corner_keystone_v --top_left -30↵ Move the upper left adjustment point to the lower by 30.		The following adjustment points can be specified. --top_left --top_center --top_right --center_left --center_right --bottom_left --bottom_center --bottom_right (*1)						-	-	Same as (*1)	-	The following adjustment points can be specified. --top_left --top_right --bottom_left --bottom_right (*3)				Same as (*3)			
Adjustment of H coordinate of cor- ner keystone	corner_keystone_h	<val>		○	○	○	○	○	-	-	○	-	○	-	-	-	-	-	○	○	
		Select the adjustment point from the following with Suffix. --top_left/--top_center/--top_right/- -center_left/--center_right/--bottom_ left/--bottom_center/--bottom_right Example) corner_keystone_h --top_left 30↵ Move the upper left adjustment point to the right by 30.		The following adjustment points can be specified. --top_left --top_center --top_right --center_left --center_right --bottom_left --bottom_center --bottom_right (*2)						-	-	Same as (*2)	-	The following adjustment points can be specified. --top_left --top_right --bottom_left --bottom_right (*4)				Same as (*4)			
Resetting of screen fit adjust- ment	screen_fitting_reset			○	○	○	○	○	-	-	○	○	○	-	-	-	-	-	○	○	menu_exec
Selection of image split	image_split	"off"	OFF	○	○	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	menu_sel
		"left "	Left side	○	○	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		"right "	Right side	○	○	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Selection of image flip	image_flip	"hv"	HV	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"h"	H	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"v"	V	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"off"	OFF	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"auto"	Auto	○	○	○	-	-	-	-	-	-	-	-	-	-	-	-	○	○	

Function	Command	Selected value/ numeric value	Remarks	VPL-*** series (***) means model name)																	Type
				FHZ120/FHZ90/ F1200Z/F900Z/ FHZ131/ FHZ101/FHZ91/ F1301Z/F1001Z/ F901Z	FHZ70/FHZ60/ FHZ50/FWZ60/ F640HZ/F630HZ/ F540HZ/F530HZ/ F430HZ/F630WZ/ F530WZ	FH60/ FW60/ F530H/ F630H/ F630W/ F530W	FHZ700/ F700HZ	FH30/ F400H/ F500H	CXZ10/ CWZ10/ C500XZ/ C500WZ	PHZ60/ PHZ50/ P620HZ/ P520HZ	FHZ80/ F750HZ/ F650HZ	PHZ61	C300	E200	E300	E400/ E500	S200	S600	P10/ P500/ P12/ P501	U300	
Selection of install attitude	install_attitude	"link_imgflip"	Link to Image Flip	–	–	–	○	○	○	–	–	–	○	○	○	○	○	○	–	–	menu_sel
		"rightsideup"	Right Side Up	–	–	–	○	○	○	–	–	–	○	○	○	○	○	○	–	–	
		"upsidedown"	Upside Down	–	–	–	○	○	○	–	–	–	○	○	○	○	○	○	–	–	
		"frontup"	Front Up	–	–	–	○	–	–	–	–	–	–	–	–	–	–	○	–	–	
		"frontdown"	Front Down	–	–	–	○	–	–	–	–	–	–	–	–	–	–	○	–	–	
		"portrait1"	Portrait 1	–	–	–	○	–	–	–	–	–	–	–	–	–	–	–	–	–	
		"portrait2"	Portrait 2	–	–	–	○	–	–	–	–	–	–	–	–	–	–	–	–	–	
Filter cleaning periodical setting	cleaning_notice	"auto"	Automatic notification by air pressure sensor	–	–	–	–	–	–	–	–	○	–	–	–	–	–	–	–	–	
		"custom"	Manual setting	–	–	–	–	–	–	–	–	○	–	–	–	–	–	–	–	–	
Filter cleaning periodical manual setting	cla_notice_int	<val>	Settable period: 100h to 20000h. Set a value that is 1/100 of the actual time.	–	–	–	–	–	–	–	–	○	–	–	–	–	–	–	–	–	
Selection of screen aspect	screen_aspect	"16_10"	16:10	○	○	○	○	○	–	–	○	○	–	–	–	–	–	–	–	–	
		"16_9"	16:9	○	○	○	○	○	–	–	○	○	–	–	–	–	–	–	–	–	
		"16_6"	16:06	–	–	–	–	–	–	–	–	○	–	–	–	–	–	–	–	–	
		"4_3"	4:3	○	○	○	○	○	–	–	○	○	–	–	–	–	–	–	–	–	
Adjustment of blanking	blanking	<val>	Blanking Select the adjustment position from top/bottom/ left/right with Suffix. Example) blanking --top 10  The blanking top is set to 10.	○	○	○	–	–	–	–	○	–	–	–	–	–	–	–	–	–	menu_num
Adjustment of color matching (brightness)	color_matching_brt	<val>	Specify the adjustment level with Suffix. --lev1 (level 1) to --lev6 (level 6) Example) color_matching_brt --lev1 10  The brightness of color matching level 1 is set to 10.	○	○	○	○	○	–	–	○	–	○	–	–	–	–	–	○	○	
Adjustment of color matching (color) R	color_matching_r	<val>		○	○	○	○	○	–	–	○	–	○	–	–	–	–	–	○	○	
Adjustment of color matching (color) B	color_matching_b	<val>		○	○	○	○	○	–	–	○	–	○	–	–	–	–	–	○	○	menu_exec
Execution of reset for overall color matching adjustment	color_matching_reset		Color matching reset	○	○	○	○	○	–	–	○	–	○	–	–	–	–	–	○	○	
Adjustment of panel alignment (shift) R	panel_align_shift_adj_r	<val>	Select the shift direction from h (horizontal)/v (vertical) with Suffix. Example) panel_align_shift_adj_r --h 10  The panel alignment (shift) R is adjusted by 10 in the horizontal direction.	○	○	○	○	○	–	○	○	○	○	–	–	–	–	–	○	○	menu_num
Adjustment of panel alignment (shift) B	panel_align_shift_adj_b	<val>		○	○	○	○	○	–	○	○	○	○	–	–	–	–	–	○	○	
Selection of pattern color during the adjustment of panel alignment menu	panel_align_pattern	"rgb"	R/G/B	○	○	○	○	○	–	○	○	○	○	–	–	–	–	–	○	○	menu_sel
		"rg"	R/G	○	○	○	○	○	–	○	○	○	○	–	–	–	–	–	○	○	
		"bg"	B/G	○	○	○	○	○	–	○	○	○	○	–	–	–	–	–	○	○	
Selection of ON/OFF of panel alignment adjustment	panel_alignment	"on"	Panel alignment ON	○	○	○	○	○	–	○	○	○	○	–	–	–	–	–	○	○	
		"off"	Panel alignment OFF	○	○	○	○	○	–	○	○	○	○	–	–	–	–	–	○	○	

Function	Command	Selected value/ numeric value	Remarks	VPL-*** series (***) means model name)																	Type
				FHZ120/FHZ90/ F1200Z/F900Z/ FHZ131/FHZ101/ FHZ91/F1301Z/ F1001Z/F901Z	FHZ70/FHZ60/FHZ50/ FWZ60/ F640HZ/ F630HZ/F540HZ/ F530HZ/F430HZ/ F630WZ/F530WZ	FH60/FW60/ F530H/ F630H/ F630W/ F530W	FHZ700/ F700HZ	FH30/ F400H/ F500H	CXZ10/ CWZ10/ C500XZ/ C500WZ	PHZ60/ PHZ50/ P620HZ/ P520HZ	FHZ80/ F750HZ/ F650HZ	PHZ61	C300	E200	E300	E400/ E500	S200	S600	P10/ P500/ P12/ P501	U300	
Execution of reset for overall panel alignment adjust- ment	panel_align_reset		Execute the reset of panel alignment.	○	○	○	○	○	-	○	○	○	○	-	-	-	-	-	○	○	menu_exec
Selection of ON/ OFF of blending adjustment	blend_sw	"on"	ON	○	○	○	-	-	-	-	○	-	-	-	-	-	-	-	-	-	menu_sel
		"off"	OFF	○	○	○	-	-	-	-	○	-	-	-	-	-	-	-	-		
		Select the adjustment position from top/bottom/left/right with Suffix. Example) blend_sw --top "on"  (*1) The blending adjustment of top is set to ON.						-	-	-	-	Same as (*1)	-	-	-	-	-	-	-		
Adjustment of blending start position	blend_start	<val>	Blending start position Select the adjustment position from top/bottom/ left/right with Suffix.	○	○	○	-	-	-	-	○	-	-	-	-	-	-	-	-	menu_num	
Adjustment of blending adjust- ment width	blend_width	<val>	Example) blend_start --top 10  The blending start position (top) is adjusted to 10.	○	○	○	-	-	-	-	○	-	-	-	-	-	-	-	-		
Adjustment of blending black level R offset	blend_bk_level_r	<val>	Specify the adjustment position from pos1 to pos9 with Suffix. Example) blend_bk_level_r --pos3 10 	○	○	○	-	-	-	-	○	-	-	-	-	-	-	-	-		
Adjustment of blending black level G offset	blend_bk_level_g	<val>	The blending black level R offset adjustment position 3 is set to 10.	○	○	○	-	-	-	-	○	-	-	-	-	-	-	-	-		
Adjustment of blending black level B offset	blend_bk_level_b	<val>		○	○	○	-	-	-	-	○	-	-	-	-	-	-	-	-		
Adjustment of blending black level Execution of reset	blend_bk_level_reset			○	○	○	-	-	-	-	○	-	-	-	-	-	-	-	-	menu_exec	
Execution of reset for blending adjustment	blend_reset			○	○	○	-	-	-	-	○	-	-	-	-	-	-	-	-		
Selection of cursor display during the blend- ing adjustment	blend_cursor	"on"	ON	○	○	○	-	-	-	-	○	-	-	-	-	-	-	-	-	menu_sel	
		"off"	OFF	○	○	○	-	-	-	-	○	-	-	-	-	-	-	-	-		
Selection of pattern (marker) color during the blending adjust- ment	blend_cursor_color	"r"	Red	○	○	○	-	-	-	-	○	-	-	-	-	-	-	-	-	menu_exec	
		"g"	Green	○	○	○	-	-	-	-	○	-	-	-	-	-	-	-	-		
		"b"	Blue	○	○	○	-	-	-	-	○	-	-	-	-	-	-	-	-		
		"c"	Cyan	○	○	○	-	-	-	-	○	-	-	-	-	-	-	-	-		
		"m"	Magenta	○	○	○	-	-	-	-	○	-	-	-	-	-	-	-	-		
		"y"	Yellow	○	○	○	-	-	-	-	○	-	-	-	-	-	-	-	-		
		Select the marker portion with Suffix. Example) blend_cursor_color --start "r"  (*2) The color of blending cursor (start position) is set to Red.						-	-	-	-	Same as (*2)	-	-	-	-	-	-	-		-
Saving of lens position memory	pic_pos_save	"custom1 "	Memory 1	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	menu_exec	
		"custom2 "	Memory 2	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		"custom3 "	Memory 3	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		"custom4 "	Memory 4	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		"custom5 "	Memory 5	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		"custom6 "	Memory 6	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Function	Command	Selected value/ numeric value	Remarks	VPL-*** series (***) means model name)																	Type
				FHZ120/FHZ90/F1200Z/ F900Z/FHZ131/FHZ101/ FHZ91/F1301Z/F1001Z/ F901Z	FHZ70/FHZ60/FHZ50/ FWZ60/ F640HZ/F630HZ/ F540HZ/F530HZ/F430HZ/ F630WZ/F530WZ	FH60/FW60/ F530H/F630H/ F630W/ F530W	FHZ700/ F700HZ	FH30/ F400H/ F500H	CXZ10/ CWZ10/ C500XZ/ C500WZ	PHZ60/ PHZ50/ P620HZ/ P520HZ	FHZ80/ F750HZ/ F650HZ	PHZ61	C300	E200	E300	E400/ E500	S200	S600	P10/ P500/ P12/ P501	U300	
Deletion of lens position memory	pic_pos_del	"custom1"	Memory 1	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	menu_exec
		"custom2"	Memory 2	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
		"custom3"	Memory 3	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
		"custom4"	Memory 4	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
		"custom5"	Memory 5	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
		"custom6"	Memory 6	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Selection of lens position memory	pic_pos_sel	"custom1"	Memory 1	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	menu_sel
		"custom2"	Memory 2	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
		"custom3"	Memory 3	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
		"custom4"	Memory 4	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
		"custom5"	Memory 5	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
		"custom6"	Memory 6	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Selection of high altitude mode	high_alt_mode	"on"	ON	○	○	○	○	○	○	○	○	—	○	○	○	○	○	○	○	○	menu_sel
		"off"	OFF	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
		"level1"	Level 1	—	—	—	—	—	○	○	○	○	—	—	—	—	—	—	—	—	
		"level2"	Level 2	—	—	—	—	—	○	○	○	○	—	—	—	—	—	—	—	—	
		"auto"	Auto	○	—	—	—	—	—	○	—	—	—	—	—	—	—	—	—	—	
Execution of filter cleaning (with the power turned off)	filter_cleaning			○	○	○	—	—	—	—	○	—	—	—	—	—	—	—	○*	○*	menu_exec
Selection of filter box	filter_box	"installed"	Installed	—	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	menu_sel
		"not_installed"	Not installed	—	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

※: Some models are not provided with the function. Check the Operating Instructions supplied with this unit.

2. Command example

Transmitting example	Character	i	n	p	u	t	_	"	h	d	m	i	1	"	↵
	Hex code	69	6E	70	75	74	20	22	68	64	6D	69	31	22	0D 0A
Returning example	Character	o	k	↵											
	Hex code	6F	6B	0D 0A											

(Classification is specified using menu_sel command Suffix.)

Setting of value

Transmitting example: command --suffix "txt_param1" ↵ Sets the selected value of a parameter.

Returning example: ok ↵

Inquiry of value:

Transmitting example: command --suffix ? ↵ Acquires the selected value of a parameter that has been set.

Returning example: "txt_param1" ↵

Inquiry of value range:

Transmitting example: command --suffix ? --range ↵ Acquires a list of parameter-selected values that can be set.

Returning example: ["txt_param1", "txt_param2"] ↵

Inquiry of command information:

Transmitting example: command ? --suffix --info ↵ Acquires the command information.

Returning example: {"type": "sys_sel", "version": "1.0", "range": ["txt_param1", "txt_param2"]} ↵

A command category, command version and a list of parameter-selected values that can be set using a command are returned as command information.

2-3. Remote Controller Key Command

2-3-1. Command Type: key

1. Command list

Function	Command	Parameter	Remarks
Pressing of remote control key	key	Refer to next page in a key code list.	Standby

2. Command example

Transmitting example	Character	k	e	y	_	"	m	e	n	u	"	↵
	Hex code	6B	65	79	20	22	6D	65	6E	75	22	0D 0A
Returning example	Character	o	k	↵								
	Hex code	6F	6B	0D 0A								

Key code list

Key code	Function	VPL-*** series (***) means model name)																
		FHZ120/FHZ90/ F1200Z/F900Z/ FHZ131/FHZ101/ FHZ91/F1301Z/ F1001Z/F901Z	FHZ70/FHZ60/FHZ50/ FWZ60/ F640HZ/ F630HZ/F540HZ/ F530HZ/F430HZ/ F630WZ/F530WZ	FH60/FW60/ F530H/ F630H/ F630W/ F530W	FHZ700/ F700HZ	FH30/ F400H/ F500H	CXZ10/ CWZ10/ C500XZ/ C500WZ	PHZ60/ PHZ50/ P620HZ/ P520HZ	FHZ80/ F750HZ/ F650HZ	PHZ61	C300	E200	E300	E400/ E500	S200	S600	P10/ P500/ P12/ P501	U300
"power_on"	Power ON	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"power_off"	Power OFF	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"power"	Power toggle	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"video"	Video	–	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"s_video"	S video	–	–	–	○	○	–	–	–	–	○	○	○	○	○	○	–	○
"input_a"	Input A	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"input_b"	Input B	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"input_c"	Input C	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"input_d"	Input D	○	○	○	○	○	–	–	○	○	○	○	○	○	○	○	○	○
"input_e"	Input E	○	–	–	○	○	–	–	–	–	○	○	○	○	○	○	○	○
"input_f"	Input F	○*2	–	–	–	–	–	–	–	–	○*1	○	○	○	○	○	○	○
"input_g"	Input G	○	–	–	–	–	–	–	–	–	–	–	○	○	–	–	–	–
"input_h"	Input H	–	–	–	–	–	–	–	–	–	–	–	○*1	○*1	–	–	–	–
"input"	Input toggle	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"blank"	Video muting	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"muting"	Audio muting	–	○	○	–	○	○	○	○	○	○*1	○*1	○*1	○*1	○	○	○	○
"vol+"	Volume +	–	○	○	–	○	○	○	○	○	○*1	○*1	○*1	○*1	○	○	○	○
"vol–"	Volume –	–	○	○	–	○	○	○	○	○	○*1	○*1	○*1	○*1	○	○	○	○
"menu"	Menu	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"right"	Cursor [→]	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"left"	Cursor [←]	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"up"	Cursor [↑]	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"down"	Cursor [↓]	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"enter"	Enter	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"reset"	Reset	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"return"	Return	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"picmode1"	Picture quality mode Dynamic	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"picmode2"	Picture quality mode Standard	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"picmode3"	Picture quality mode Luminance priority or presentation	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"picmode4"	Picture quality mode Multi-screen or blackboard	○	○	○	–	–	–	–	○	–	–	○	○	○	○	○	–	–
"picmode5"	Picture quality mode Whiteboard, game or sRGB	○	–	–	–	–	–	–	–	–	–	○	○	○	○	○	–	–
"picmode6"	Picture quality mode Cinema	–	–	–	–	–	–	–	–	–	–	○	○	○	○	○	–	–
"picmode"	Picture quality mode toggle	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"picture+"	Contrast +	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"picture–"	Contrast –	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"color+"	Color depth +	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"color–"	Color depth –	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"bright+"	Brightness +	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"bright–"	Brightness –	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"hue+"	Hue +	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"hue–"	Hue –	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

*1: Some models are not provided with the function. Check the Operating Instructions supplied with this unit.
*2: Not supported in the "VPL-FHZ90/F901Z" series.

Key code	Function	VPL-*** series (***) means model name)																
		FHZ120/FHZ90/F1200Z/ F900Z/FHZ131/FHZ101/ FHZ91/F1301Z/F1001Z/ F901Z	FHZ70/FHZ60/FHZ50/ FWZ60/ F640HZ/F630HZ/ F540HZ/F530HZ/F430HZ/ F630WZ/F530WZ	FH60/FW60/ F530H/F630H/ F630W/F530W	FHZ700/ F700HZ	FH30/ F400H/ F500H	CXZ10/ CWZ10/ C500XZ/ C500WZ	PHZ60/ PHZ50/ P620HZ/ P520HZ	FHZ80/ F750HZ/ F650HZ	PHZ61	C300	E200	E300	E400/ E500	S200	S600	P10/P500/ P12/P501	U300
"sharpness+"	Sharpness +	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"sharpness–"	Sharpness –	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"picture_adj"	Picture quality adjustment toggle	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"color_temp"	Color temperature toggle	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"color_mode"	Color space toggle	○	○	○	–	–	–	–	–	–	–	–	–	–	–	–	○	○
"black_level"	Contrast enhancer toggle	○	○	○	○	○	–	–	–	–	–	–	–	–	–	–	○	○
"aspect"	ASPECT	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"apa"	APA	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"phase"	Phase	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"video_size"	Pitch	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"video_shift"	Shift	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"status_on"	Screen display ON	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"status_off"	Screen display OFF	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"lens_control"	Lens toggle	○	○	○	○	–	–	–	○	–	–	–	–	–	–	–	–	–
"lens_focus"	Lens focus	○	○	○	○	–	–	–	○	–	–	–	–	–	–	–	–	–
"lens_focus_far"	Lens focus far	○	○	○	○	–	–	–	○	–	–	–	–	–	–	–	–	–
"lens_focus_near"	Lens focus near	○	○	○	○	–	–	–	○	–	–	–	–	–	–	–	–	–
"lens_zoom"	Lens zoom	○	○	○	○	–	–	–	○	–	–	–	–	–	–	–	–	–
"lens_zoom_up"	Lens zoom +	○	○	○	○	–	–	–	○	–	–	–	–	–	–	–	–	–
"lens_zoom_down"	Lens zoom –	○	○	○	○	–	–	–	○	–	–	–	–	–	–	–	–	–
"lens_shift"	Lens shift	○	○	○	○	–	–	–	○	–	–	–	–	–	–	–	–	–
"lens_shift_up"	Lens shift up	○	○	○	○	–	–	–	○	–	–	–	–	–	–	–	–	–
"lens_shift_down"	Lens shift down	○	○	○	○	–	–	–	○	–	–	–	–	–	–	–	–	–
"lens_shift_left"	Lens shift left	○	○	○	○	–	–	–	○	–	–	–	–	–	–	–	–	–
"lens_shift_right"	Lens shift right	○	○	○	○	–	–	–	○	–	–	–	–	–	–	–	–	–
"twin"	TWIN	○	○	○	○	○	–	–	–	–	–	–	–	–	–	–	–	–
"freeze"	Freeze	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"d_zoom+"	Digital zoom +	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"d_zoom–"	Digital zoom –	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"keystone"	Keystone	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"keystone+"	V Keystone +	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"keystone–"	V Keystone –	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"pattern"	Test pattern	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"eco"	ECO mode	–	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
"lens_position"	Lens position	○	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

2-4. Advanced Adjustment Command

The following is the ADCP command correspondence list to be used for the advanced adjustment for the experts.
The type of a command is classified as follows.

Adjustment command type for experts

Command type	Function	VPL-*** series (*** means model name)																
		FHZ120/FHZ90/ F1200Z/F900Z/ FHZ131/FHZ101/ FHZ91/F1301Z/ F1001Z/F901Z	FHZ70/FHZ60/FHZ50/ FWZ60/ F640HZ/ F630HZ/F540HZ/ F530HZ/F430HZ/ F630WZ/F530WZ	FH60/FW60/ F530H/ F630H/ F630W/ F530W	FHZ700/ F700HZ	FH30/ F400H/ F500H	CXZ10/ CWWZ10/ C500XZ/ C500WZ	PHZ60/ PHZ50/ P620HZ/ P520HZ	FHZ80/ F750HZ/ F650HZ	PHZ61	C300	E200	E300	E400/ E500	S200	S600	P10/ P500/ P12/ P501	U300
warp	Used in the warp adjustment	○	○	○	—	—	—	—	○	—	—	—	—	—	—	—	—	—
area_bk_level	Used in the zone black level/zone fitting adjustment	○	○	○	—	—	—	—	○	—	—	—	—	—	—	—	—	—
panel_align_zone	Used in the panel alignment zone adjustment	○	○	○	—	—	—	—	○	—	—	—	—	—	—	—	—	—
user_gamma	Used in the gamma table adjustment	○	○	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—
color_gamut	Used in the color space adjustment	○	○	○	—	—	—	—	○	—	—	—	—	—	—	—	—	—
pattern_sel/pattern_pos	Displays the adjustment test pattern for experts	○	○	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2-4-1. Command Type: warp

By optional designation, the command of a warp command type can transmit, reflect and acquire the warp adjustment values, and acquire the command information.
For example, the following formats are used.

Transmission of value		
After transmitting the adjustment value for the warp adjustment point, the value is reflected on the image by transmitting the reflection command. The format of range and value is described as the JSON array data.		
Direct value		
Transmitting example:	warp [1,2] --pos=[1,2,3,4] --ch=w	Sets all adjustment points to the value (x, y) = [1, 2] in the range from the upper left (x=1, y=2) to the lower right (x=3, y=4) on the coordinate of the warp adjustment point. Specifies w (White) (--ch = w) that is common in R/G/B as the warp adjustment channel.
Returning example:	ok	
Relative value		
Transmitting example:	warp --rel=[1,2] --pos=[1,2,3,4] --ch=w	Adds (x, y)=[1, 2] to all adjustment values of adjustment points in the range from the upper left (x=1, y=2) to the lower right (x=3, y=4) on the coordinate of the warp adjustment point.
Returning example:	ok	
Table value		
Transmitting example:	warp [[1,2],[3,4],[5,6],[7,8]] --pos=[1,1,2,2] --ch=w	Sets the adjustment points respectively as follows in the range from the upper left (x=1, y=1) to the lower right (x=2, y=2) on the coordinate of the warp adjustment point.
	Coordinate of adjustment point (x, y)	Adjustment value [x, y]
	(1, 1)	→ [1, 2]
	(2, 1)	→ [3, 4]
	(1, 2)	→ [5, 6]
	(2, 2)	→ [7, 8]
Returning example:	ok	

Reset value		
Transmitting example:	warp --reset --pos=[1,1,64,40] --ch=w	Sets all adjustment points to the initial value in the range from the upper left (x=1, y=1) to the lower right (x=64, y=40) on the coordinate of the warp adjustment point.
Returning example:	ok	
Reflection of value		
Reflects the transmitted warp adjustment value on the screen.		
Transmitting example:	warp --apply	
Returning example:	ok	
Acquisition of value		
Transmitting example:	warp ? --pos=[1,1,3,3] --ch=w	Inquires the adjustment value of the adjustment points in the range from the upper left (1, 1) to the lower right (3, 3) as the coordinate (x, y) of the warp adjustment point.
Returning example:	[[0,0],[0,0],[0,0],[0,0],[0,0],[0,0],[0,0],[0,0],[0,0]]	
	Returns the warp adjustment value of each adjustment point in the specified area in the JSON array format.	
Acquisition of command information		
Transmitting example:	warp ? --info	Inquires the command information.
Returning example:	{ "type": "warp", "version": "1.0", "range": { "pos": [1,1,64,40], "adj": [{ "min": -16384, "max": 49151, "step": 1 }, { "min": -16384, "max": 49151, "step": 1 }], "adj_step_per_dot": [16,16], "pos_pitch": [32,32], "pos_offset": [0,0], "limit_angle": [35,35], "limit_macro_scale": [{ "min": 0.500000, "max": 5 }, { "min": 0.500000, "max": 5 }], "limit_micro_scale": [{ "min": 0.083333, "max": 5 }, { "min": 0.083333, "max": 5 }], "ch": ["w"] } }	
The following range information is returned as "range".		
pos	Maximum specified range of adjustment point (upper left coordinate x, y to lower right coordinate x, y)	
adj	Maximum adjustment range in the x-axis direction (minimum and maximum moving amount, step) and y-axis direction (minimum and maximum moving amount, step)	
adj_step_per_dot	Adjustment value (x, y) for moving 1 pixel on the screen	
pos_pitch	Pixel pitch (x, y) of adjustment point on the screen	
pos_offset	Offset pixel amount (x, y) of adjustment point (x, y=1, 1) from the upper left corner of the screen	
limit_angle	Maximum inclination absolute angular (x-axis, y-axis) of the line segment connecting the adjustment points	
limit_macro_scale	Maximum scaling (x-axis, y-axis) of the entire screen	
limit_micro_scale	Maximum scaling (x-axis, y-axis) of the line segment connecting the adjustment points	
ch	Choice of adjustment channel	

2-4-2. Command Type: area_bk_level

By optional designation, the command of an area_bk_level command type can transmit, reflect and acquire the zone black level/zone fitting adjustment values, and acquire the command information. For example, the following formats are used.

Transmission of value																	
After transmitting the adjustment value for the zone black level/zone fitting adjustment points, the value is reflected on the image by transmitting the reflection command. The format of a range and value is described as the JSON array data.																	
Direct value	Transmitting example:	<code>area_bk_level [100,-50] --pos=[0,1,2,3] --ch=w</code> Sets all adjustment points contained in the range from the upper left (x = 0, y = 1) to the lower right (x = 2, y = 3) on the coordinates of the zone black level/zone fitting adjustment points to value (x, y) = [100, -50]. Specifies w (white)(--ch = w), common in R, G, and B, as the zone black level/zone fitting adjustment channels.															
	Returning example:	<code>ok</code>															
Relative value	Transmitting example:	<code>area_bk_level --rel=[100,-50] --pos=[0,1,2,3] --ch=w</code> Adds (x, y) = [100, -50] to all adjustment values of adjustment points contained in the range from the upper left (x = 0, y = 1) to the lower right (x = 2, y = 3) on the coordinates of the zone black level/zone fitting adjustment points.															
	Returning example:	<code>ok</code>															
Table value	Transmitting example:	<code>area_bk_level [[1,2],[3,4],[5,6],[7,8]] --pos=[1,1,2,2] --ch=w</code> Sets the adjustment points contained in the range from the upper left (x = 1, y = 1) to the lower right (x = 2, y = 2) on the coordinates of the zone black level/zone fitting adjustment points respectively as follows. <table><tr><td>Coordinate of adjustment point (x, y)</td><td></td><td>Adjustment value [x, y]</td></tr><tr><td>(1, 1)</td><td>→</td><td>[1, 2]</td></tr><tr><td>(2, 1)</td><td>→</td><td>[3, 4]</td></tr><tr><td>(1, 2)</td><td>→</td><td>[5, 6]</td></tr><tr><td>(2, 2)</td><td>→</td><td>[7, 8]</td></tr></table>	Coordinate of adjustment point (x, y)		Adjustment value [x, y]	(1, 1)	→	[1, 2]	(2, 1)	→	[3, 4]	(1, 2)	→	[5, 6]	(2, 2)	→	[7, 8]
Coordinate of adjustment point (x, y)		Adjustment value [x, y]															
(1, 1)	→	[1, 2]															
(2, 1)	→	[3, 4]															
(1, 2)	→	[5, 6]															
(2, 2)	→	[7, 8]															
	Returning example:	<code>ok</code>															
Reset value	Transmitting example:	<code>area_bk_level --reset --pos=[0,0,3,3] --ch=w</code> Sets the adjustment points contained in the range from the upper left (x = 0, y = 0) to the lower right (x = 3, y = 3) on the coordinates of the zone black level/zone fitting adjustment points respectively as follows.															
	Returning example:	<code>ok</code>															
Reflection of value	Reflects the transmitted zone black level/zone fitting adjustment value on the screen.																
	Transmitting example:	<code>area_bk_level --apply</code>															
	Returning example:	<code>ok</code>															
Acquisition of value	Transmitting example:	<code>area_bk_level ? --pos=[1,1,3,3] --ch=w</code> Inquires the adjustment value of the adjustment points of the red channel contained in the range from the upper left (1, 1) to the lower right (3, 3) as the coordinates (x, y) of the panel alignment zone adjustment point.															
	Returning example:	<code>[[0,0],[0,0],[0,0],[0,0],[0,0],[0,0],[0,0],[0,0],[0,0]]</code> Returns the zone black level/zone fitting adjustment values of each adjustment point contained in the specified area in a JSON array format.															
Acquisition of command information	Transmitting example:	<code>area_bk_level ? --info</code> Inquires the command information.															
	Returning example:	<code>{"type":"area_bk_level","version":"1.0","range":{"pos:[0,0,3,3],adj":[{"min":-1920,"max":1920,"step":1},{ "min":-1200,"max":1200,"step":1}],adj_step_per_dot:[1,1],pos_pitch_x:[480,960,480],pos_pitch_y:[300,600,300],pos_offset:[0,0],ch:["w"]}}</code> The following range information is returned as “range”. <table><tr><td>pos</td><td>Maximum specified range of adjustment point (upper-left coordinates x, y to lower-right coordinates x, y)</td></tr><tr><td>adj</td><td>Maximum adjustment range in the x-axis direction (minimum/maximum moving amount and step), maximum adjustment range in the y-axis direction (minimum/maximum moving amount and step)</td></tr><tr><td>adj_step_per_dot</td><td>Adjustment values (x, y) for moving on the screen by 1 pixel</td></tr><tr><td>pos_pitch_x</td><td>Pixel pitch x of an adjustment point on the screen</td></tr><tr><td>pos_pitch_y</td><td>Pixel pitch y of an adjustment point on the screen</td></tr><tr><td>pos_offset</td><td>Offset pixel amount (x, y) of adjustment points (x, y = 1, 1) from the upper-left corner of the screen</td></tr><tr><td>ch</td><td>Choice of adjustment channels</td></tr></table>	pos	Maximum specified range of adjustment point (upper-left coordinates x, y to lower-right coordinates x, y)	adj	Maximum adjustment range in the x-axis direction (minimum/maximum moving amount and step), maximum adjustment range in the y-axis direction (minimum/maximum moving amount and step)	adj_step_per_dot	Adjustment values (x, y) for moving on the screen by 1 pixel	pos_pitch_x	Pixel pitch x of an adjustment point on the screen	pos_pitch_y	Pixel pitch y of an adjustment point on the screen	pos_offset	Offset pixel amount (x, y) of adjustment points (x, y = 1, 1) from the upper-left corner of the screen	ch	Choice of adjustment channels	
pos	Maximum specified range of adjustment point (upper-left coordinates x, y to lower-right coordinates x, y)																
adj	Maximum adjustment range in the x-axis direction (minimum/maximum moving amount and step), maximum adjustment range in the y-axis direction (minimum/maximum moving amount and step)																
adj_step_per_dot	Adjustment values (x, y) for moving on the screen by 1 pixel																
pos_pitch_x	Pixel pitch x of an adjustment point on the screen																
pos_pitch_y	Pixel pitch y of an adjustment point on the screen																
pos_offset	Offset pixel amount (x, y) of adjustment points (x, y = 1, 1) from the upper-left corner of the screen																
ch	Choice of adjustment channels																

2-4-3. Command Type: panel_align_zone

By optional designation, the command of a panel_align_zone command type can transmit, reflect and acquire the panel alignment zone adjustment values, and acquire the command information.
For example, the following formats are used.

Transmission of value		
After transmitting the adjustment value for the panel alignment zone adjustment point, the value is reflected on the image by transmitting the reflection command. The format of range and value is described as the JSON array data.		
Direct value		
Transmitting example:	<pre>panel_align_zone [1,2] --pos=[1,2,3,4] --ch=r</pre> Sets all adjustment points of red channel to the value (x, y) = [1, 2] in the range from the upper left (x=1, y=2) to the lower right (x=3, y=4) on the coordinate of the panel alignment zone adjustment point. Specifies red (--ch=r) or blue (--ch=b) as the panel alignment zone adjustment channel.	
Returning example:	ok	
Relative value		
Transmitting example:	<pre>panel_align_zone --rel=[1,2] --pos=[1,2,3,4] --ch=r</pre> Adds (x, y)=[1, 2] to all adjustment values of adjustment points in the range from the upper left (x=1, y=2) to the lower right (x=3, y=4) on the coordinate of the panel alignment zone adjustment point.	
Returning example:	ok	
Table value		
Transmitting example:	<pre>panel_align_zone [[1,2],[3,4],[5,6],[7,8]] --pos=[1,1,2,2] --ch=r</pre> Sets the adjustment points of red channel respectively as follows in the range from the upper left (x=1, y=1) to the lower right (x=2, y=2) on the coordinate of the panel alignment zone adjustment point.	
	Coordinate of adjustment point (x, y)	Adjustment value [x, y]
	(1, 1)	→ [1, 2]
	(2, 1)	→ [3, 4]
	(1, 2)	→ [5, 6]
	(2, 2)	→ [7, 8]
Returning example:	ok	
Reset value		
Transmitting example:	<pre>panel_align_zone --reset --pos=[1,1,16,10] --ch=r</pre> Sets all adjustment points to the initial value in the range from the upper left (x=1, y=1) to the lower right (x=64, y=40) on the coordinate of the panel alignment zone adjustment point.	
Returning example:	ok	
Reflection of value		
Reflects the transmitted panel alignment zone adjustment value on the screen.		
Transmitting example:	<pre>panel_align_zone --apply</pre>	
Returning example:	ok	

Acquisition of value	
Transmitting example:	<code>panel_align_zone ? --pos=[1,1,3,3] --ch=r</code>
Inquires the adjustment value of the adjustment points of red channel in the range from the upper left (1, 1) to the lower right (3, 3) as the coordinate (x, y) of the panel alignment zone adjustment point.	
Returning example:	<code>[[0,0],[0,0],[0,0],[0,0],[0,0],[0,0],[0,0],[0,0],[0,0]]</code>
Returns the panel alignment zone adjustment value of each adjustment point in the specified area in the JSON array format.	
Acquisition of command information	
Transmitting example:	<code>panel_align_zone ? --info</code>
Inquires the command information.	
Returning example:	<code>{ "type": "panel_align_zone", "version": "1.0", "range": { "pos": [1,1,16,10], "adj": [{ "min": -20, "max": 20, "step": 1 }, { "min": -20, "max": 20, "step": 1 }], "adj_step_per_dot": [10,10], "pos_pitch": [128,128], "pos_offset": [0,24], "ch": ["r", "b"] } }</code>
The following range information is returned as "range".	
pos	Maximum specified range of adjustment point (upper left coordinate x, y to lower right coordinate x, y)
adj	Maximum adjustment range in the x-axis direction (minimum and maximum moving amount, step), y-axis direction (minimum and maximum moving amount, step)
adj_step_per_dot	Adjustment value (x, y) for moving 1 pixel on the screen
pos_pitch	Pixel pitch (x, y) of adjustment point on the screen
pos_offset	Offset pixel amount(x, y) of adjustment point (x, y=1, 1) from the upper left corner of the screen
ch	Choice of adjustment channel

2-4-4. Command Type: user_gamma

By optional designation, the command of a user_gamma command type can transmit, reflect and acquire the gamma curve adjustment values, and acquire the command information.
For example, the following formats are used.

Transmission of value

After transmitting the adjustment value for the gamma curve adjustment point, the value is reflected on the image by transmitting the reflection command. The format of range and value is described as the JSON array data.

Note

For the gamma curve, it is required to set to the value that is “equal to or greater than” the adjustment value of all adjustment points located in the black side of the adjustment point.

Direct value

Transmitting example: user_gamma 0 --sel=gamma3 --pos=[0,63] --ch=r

Sets all adjustment points of red channel to the value “0” in the range from the adjustment point “0” to “63” of the gamma curve “gamma3”. Specifies red (--ch=r), green (--ch=g) or blue (--ch=b) as the gamma curve adjustment channel.

Returning example: ok

Relative value

Transmitting example: user_gamma --rel=10 --sel=gamma4 --pos=[0,60] --ch=r

Adds “10” to all adjustment points of red channel in the range from the adjustment point “0” to “60” of the gamma curve “gamma4”.

Returning example: ok

Table value

Transmitting example: user_gamma [1,2,3,4,5] --sel=gamma4 --pos=[0,4] --ch=g

Sets the adjustment points of green channel respectively as follows in the range from the adjustment point “0” to “4” of the gamma curve “gamma4”.

Adjustment point Adjustment value

0 → 1

1 → 2

2 → 3

3 → 4

4 → 5

Returning example: ok

Reset value

Transmitting example: user_gamma --reset --sel=gamma3 --pos=[0,63] --ch=r

Sets all adjustment points of red channel to the initial value in the range from the adjustment point “0” to “63” of the gamma curve “gamma3”.

Returning example: ok

Reflection of value	
Reflects the transmitted gamma curve adjustment value on the screen.	
Transmitting example:	<code>user_gamma --apply</code>
Returning example:	<code>ok</code>
Acquisition of value	
Transmitting example:	<code>user_gamma ? --sel=gamma3 --pos=[0,4] --ch=r</code> Inquires the adjustment points of red channel in the range from the adjustment point “0” to “4” of the gamma curve “gamma3”.
Returning example:	<code>[1,2,3,4,5]</code> Returns the gamma curve adjustment value of each adjustment point in the specified area in the JSON array format.
Acquisition of command information	
Transmitting example:	<code>user_gamma ? --info</code> Inquires the command information.
Returning example:	<pre>{ "type": "user_gamma", "version": "1.0", "sel": ["2.2", "2.4", "gamma3", "gamma4", "dicom"], "range": { "pos": { "min": 0, "max": 63 }, "adj": { "min": 0, "max": 1023, "step": 1 }, "ch": ["r", "g", "b"] } }</pre> Returns the choice of gamma curve that can be adjusted as “sel”. The following range information is returned as “range”. pos Maximum specified range of adjustment point adj Maximum adjustment range ch Choice of adjustment channel

2-4-5. Command Type: color_gamut

The command of a color_gamut command type can acquire the color gamut selected in color space.

Acquisition of value	
Transmitting example:	<code>color_gamut ? --sel=custom1</code> Inquires the color gamut of color space custom1.
Returning example:	<code>[[0.640000,0.330000],[0.280000,0.638000],[0.142000,0.035000]]</code> Returns the CIE xy chromaticity of R/G/B in the specified color space as the data [[Rx, Ry], [Gx, Gy], [Bx, By]] of the JSON array format.
Acquisition of command information	
Transmitting example:	<code>color_gamut ? --info</code> Inquires the command information.
Returning example:	<pre>{ "type": "color_gamut", "version": "1.0", "sel": ["original", "custom1", "custom2", "custom3"], "range": { "adj": { "min": 0, "max": 1 }, "ch": ["r", "g", "b"] } }</pre> Returns the choice of color space that can be adjusted as “sel”. The following range information is returned as “range”. adj Maximum range of adjustment value ch Acquirable color channel included in the chromaticity table

2-4-6. Command Type: pattern_sel/pattern_pos

The command of a pattern_sel_pattern_pos command type can display the test pattern for various adjustments.

Note

The menu display and the message display on the screen may not be displayed correctly while the test pattern is displayed.

Command name: In the case of “command”, the following command formats are used.

Command type		pattern_sel	pattern_pos (In the case of set coordinate=<x, <y> and coordinate range <x1><y1> to <x2>, <y2>)
Setting of value	Transmitting side	command "item1" 	command [<x>, <y>] 
	Returning side	ok 	ok 
Inquiry of value	Transmitting side	command ? 	command ? 
	Returning side	"item1" 	[<x>, <y>] 
Inquiry of value range	Transmitting side	command ? --range 	command ? --range 
	Returning side	["item1", "item2"] 	[{"min":<x1>, "max":<x2>}, {"min":<y1>, "max":<y2>}] 
Inquiry of command information	Transmitting side	command ? --info 	command ? --info 
	Returning side	{"type":"pattern_sel", "version":"1.0", "range":["item1", "item2"]} 	{"type":"pattern_sel", "version":"1.0", "range":[{"min":<x1>, "max":<x2>}, {"min":<y1>, "max":<y2>}] } 

1. Command list

Function	Command	Selected value/ numeric value	Remarks	VPL***series (***) means model name)				Type
				FHZ120/FHZ90/F1200Z/ F900Z/FHZ131/FHZ101/ FHZ91/F1301Z/F1001Z/ F901Z	FHZ70/FHZ60/FHZ50/ FWZ60/ F640HZ/F630HZ/ F540HZ/F530HZ/F430HZ/ F630WZ/F530WZ	FH60/FW60/ F530H/F630H/ F630W/F530W	FHZ80/F750HZ/ F650HZ	
Displays the cursor for blending adjustment.	pat_blend_cursor	"on" "off"	Specify the display position from top/bottom/left/right with Suffix. Example) pat_blend_cursor --top "on"  The cursor display on the upper portion of the screen is set to ON.	○	○	○	○	pattern_sel
Displays the flat field pattern for color space adjustment.	pat_color_space	"r" "g" "b" "w" "off"		○	○	○	○	
Displays the pointer for warp adjustment.	pat_warp_cursor	"on" "off"	When the display position is not specified, display the cursor in the adjustment point [0. 0].	○	○	○	○	
Displays the cursor in the panel alignment zone adjustment point.	pat_panel_align_zone_cursor	"rg" "bg" "rgb" "off"	When the display position is not specified, display the cursor in the adjustment point [1. 1].	○	○	○	○	
Displays the pointer in the zone black level/ zone fitting adjustment points.	pat_area_bk_level_cursor	"on" "off"	When the display position is not specified, display the cursor in the adjustment point [0. 0].	○	○	○	○	
Displays the crosshatch pattern in the warp adjustment point.	pat_warp_cross_hatch	"r" "g" "b" "w" "g_inv" "off"		○	○	○	○	
Displays the flat field pattern for color matching adjustment.	pat_color_matching	"lev1 " "lev2 " "lev3 " "lev4 " "lev5 " "lev6 " "off"		○	○	○	○	
Displays the flat field pattern for zone black level adjustment.	pat_area_bk_level	"on" "off"		○	○	○	○	pattern_pos
Specifies the display position of the cursor for warp adjustment.	pat_warp_cursor	[<x> , <y>]	Upper left of OSD (0, 0), left and upper “–”, right and lower “+” Specify with the x, y coordinate before warp adjustment.	○	○	○	○	
Specifies the display position of the cursor for panel alignment zone adjustment.	pat_panel_align_zone_cursor_pos	[<x> , <y>]	Upper left of OSD (1, 1), left and upper “–”, right and lower “+” Specify with the x, y coordinate of the adjustment point.	○	○	○	○	
Displays the pointer in the zone black level/ zone fitting adjustment points. (Specifies the position)	pat_area_bk_level_cursor_pos	[<x> , <y>]		○	○	○	○	

3. PJ Control API Correspondence Table for Each Model

Function	Version	VPL***series		Models other than the left
		FHZ120/FHZ90/F1200Z/F900Z/FHZ131/FHZ101/FHZ91/F1301Z/F1001Z/F901Z	FHZ70/FHZ60/FHZ50/FWZ60/F640HZ/F630HZ/F540HZ/F530HZ/F430HZ/F630WZ/F530WZ	
PJ Control API	Data Projector Device Interface - v1.0.0	○ VPL-FHZ131/FHZ101/FHZ91/F1301Z/F1001Z/F901Z series only	○ VPL-FHZ70/F640HZ/F540HZ/ series only	—

API reference

Data Projector Device Interface - v1.0.0

3-1. API Service

<service_name> specified as the post destination to a projector is described below. <service_name> is specified by guide, system, audio, or avContent for each API.
Specify service_name described in an API list item: “Post destination to a projector”.

Tip

For more details of the post destination to a projector, refer to the “Post destination to a projector” in a Protocol Manual (COMMON).

guide

Guide service provides an API to get the list of supported services on the server.

API name	API version	Auth Level	description
getSupportedApiInfo	1.0	none	This API provides the supported services and their information.

system

This service handles APIs that are related to basic device functions like as follows.

To provide device related information like category, serial number and so on.

To provide/change general setting information like power status and power saving (picture output).

API name	API version	Auth Level	description
getPowerSavingMode	1.0	none	This API provides setting of power saving mode (Picture output)
getPowerStatus	1.0	none	This API provides current power status of the device.
getSystemInformation	1.0	private	This API provides general information of the device.
setPowerSavingMode	1.0	generic	This API provides setting of power saving mode (Picture output)
setPowerStatus	1.0	generic	This API provides function to change current power status of the device.

audio

This service handles APIs that are related to audio functions like volume.

API name	API version	Auth Level	description
getVolumeInformation	1.0	none	This API provides information about sound volume (also mute status) of the device.
setAudioMute	1.0	generic	This API provides a function to change audio mute status.
setAudioVolume	1.0	generic	This API provides a function to change audio volume level.

avContent

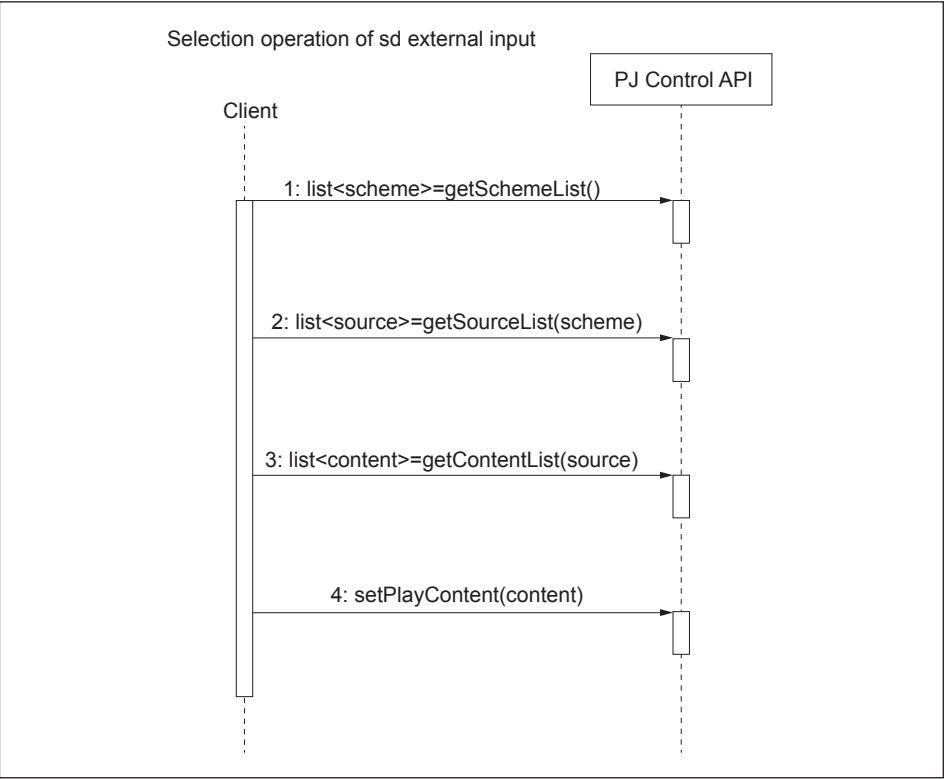
This service handles overall control of input of the device. For example, there is an API to request it to change to an external input like HDMI.

API name	API version	Auth Level	description
getContentList	1.0	private	This API provides the list of contents under the scheme and source.
getPlayingContentInfo	1.0	private	This API provides information of current playing content or current input selected.
getSchemeList	1.0	none	This API provides the list of schemes that device can handle.
getSourceList	1.0	none	This API provides the list of sources information under the scheme.
setPlayContent	1.0	generic	This API provides a function to play content.

• Acquisition of information on input terminal

Tip

For getting information of content that a device has, a client needs to know source of URI. A client can get URI of source by using getSchemeList and getSourceList.
At first, a client gets scheme by getSchemeList. After that, a client sets this scheme to “scheme” parameter of getSourceList and calls this API to get URI of source.
A client sets this URI of source to “URI” parameter of getContentList and calls this API to get content information or browse content.



3-2. API List

getSupportedApilInfo

This API provides supported services and its information.

• Syntax

http://<Base URL>/guide

• Authentication Level

none

• Request

params' Elements

An object composed by following pair(s).

name	type	multiplicity	default	description
services	string-array	?	null	Services to fetch API information. null or empty array is treated as all services.

• Response

result's Elements

An array of objects composed by following pairs.

name	type	multiplicity	default	description
service	string	1		Name of this service.
protocols	string-array	1		Supported transports.
apis	(object-array)	1		APISupported APIs.
	name	string	1	Name of this API.
	versions	(object-array)	1	Detail of supported versions of this API.
	version	string	1	Version of this API.
	protocols	string-array	? null	Transport for this API,
	authLevel	string	? "none"	Authentication level of this API.
notifications	(object-array)	?	null	Supported Notification APIs.
	name	string	1	Name of this API.
	versions	(object-array)	1	Detail of supported versions of this API.
	version	string	1	Version of this API.
	authLevel	string	? "none"	Authentication level of this API.

getPowerSavingMode

This API provides setting of power saving mode, to adjust the device’s power consumption.

• **Syntax**

http://<Base URL>/system

• **Authentication Level**

none

• **Request**

params’ Elements

Not necessary.

• **Response**

result’s Elements

An object composed by following pairs.

name	type	multiplicity	default	description
mode	string	1		Current power saving mode. “off” : Power saving mode is disabled. “pictureOff” : Power saving mode is enabled with picture output off

Error Code

No additional error code is defined. Refer to error code for common errors.

getPowerStatus

This API provides current power status of the device.

• **Syntax**

http://<Base URL>/system

• **Authentication Level**

none

• **Request**

params’ Elements

Not necessary.

• **Response**

result’s Elements

An object composed by following pairs.

name	type	multiplicity	default	description
status	string	1		Current power status. “standby” – Device is in power-off state. “active” – Device is in power-on state.

Error Code

No additional error code is defined. Refer to error code for common errors.

getSystemInformation

This API provides general information of the device.

• **Syntax**

http://<Base URL>/system

• **Authentication Level**

private

• **Request**

params' Elements

Not necessary.

• **Response**

result's Elements

An object composed by following pairs.

name	type	multiplicity	default	description
product	string	1		Device category. Following values are currently defined. "dataProjector"
region	string	?	""	Empty string is returned.
language	string	?	""	Language for OSD
model	string	1		Name of product.
serial	string	?	""	Serial number.
macAddr	string	?	""	Ethernet MAC address.
name	string	1		Product name. Following values are currently defined. "Data Projector"
generation	string	?	""	Data Product Device interface version.
area	string	?	""	Empty string is returned.
cid	string	?	""	Empty string is returned.

Error Code

No additional error code is defined. Refer to error code for common errors.

setPowerSavingMode

This API provides function to change setting of power saving mode, to adjust the device’s power consumption.

• **Syntax**

http://<Base URL>/system

• **Authentication Level**

generic

• **Request**

params’ Elements

An object composed by following pairs.

name	type	multiplicity	default	description
mode	string	1		Current power saving mode. "off" : Power saving mode is disabled. "pictureOff" : Power saving mode is enabled with picture output off

• **Responce**

result’s Elements

Not necessary.

Error Code

No additional error code is defined. Refer to error code for common errors.

setPowerStatus

This API provides function to change current power status of the device.

• **Syntax**

http://<Base URL>/system

• **Authentication Level**

generic

• **Request**

params’ Elements

An object composed by following pairs.

name	type	multiplicity	default	description
status	boolean	1		Power status. • true - means lamp-on state • false – means power-off state

• **Response**

result’s Elements

Not necessary.

Error Code

No additional error code is defined. Refer to error code for common errors.

getVolumeInformation

This API provides information about sound volume (also mute status) of the device.

- **Syntax**
http://<Base URL>/audio
- **Authentication Level**
none
- **Request**
params' Elements
Not necessary.

- **Response**
result's Elements
An object composed by following pairs.

name	type	multiplicity	default	description
target	string	1		"speaker" is returned.
volume	integer	1		Current volume.
mute	boolean	1		Current mute status. • true - mute • false - not mute
maxVolume	integer	1		Max volume level (ex. 100)
minVolume	integer	1		Min volume level (ex. 0)

setAudioMute

This API provides a function to change audio mute status.

- **Syntax**
http://<Base URL>/audio
- **Authentication Level**
generic
- **Request**
params' Elements
An object composed by following pairs.

name	type	multiplicity	default	description
status	boolean	1		Mute status to set. • true - mute • false - not mute

- **Response**
result's Elements

type	description
integer	Always 0 returned.

Error Code
No additional error code is defined. Refer to error code for common errors.

setAudioVolume

This API provides a function to change audio volume level.

Syntax

http://<Base URL>/audio

Authentication Level

generic

Request

params' Elements

An object composed by following pairs.

name	type	multiplicity	default	description
target	string	1		Always set to "speaker".
volume	string	1		Volume level to set. Following format is applied. "N" - N is numeric string (ex. "25") set volume to level N. " +N" - N is numeric string. (ex. "+14") increase volume level by N. " -N" - N is numeric string. (ex. "-10") reduce volume level by N.

Response

result's Elements

type	description
integer	Always 0 returned.

error code

code	explanation
40800	When an item other than "speaker" is set in "target".
40801	Volume is out of range.

getContentList

This API provides the list of contents under the scheme and source.

• **Syntax**

http://<Base URL>/avContent

• **Authentication Level**

private

• **Request**

params' Elements

An object composed by following pair(s).

name	type	multiplicity	default	description
source	string	1		Source name that can be retrieved by getSourceList.
stlidx	integer	?	0	Start index to get list items.
cnt	integer	?	50	Count of the maximum number of items that can be listed, starting from "stlidx".
type	string	?	""	Set empty string.

• **Response**

result's Elements

An array of objects composed by following pairs.

name	type	multiplicity	default	description
uri	string	1		URI to identify the content. • (ex) "extInput:hDMI?port=1"
title	string	1		Title of this content to be recognized by user. • (ex) "Video" • (ex) "INPUT A"
index	integer	1		Index of the list. This starts with "stlidx" indicated in the request.

Error Code

No additional error code is defined. Refer to error code for common errors.

getPlayingContentInfo

This API provides information of current input selected.

• **Syntax**

http://<Base URL>/avContent

• **Authentication Level**

private

• **Request**

params' Elements

Not necessary

• **Response**

result's Elements

An object composed by following pair(s).

name	type	multiplicity	default	description
uri	string	1		URI to identify the content. • (ex) "extInput:hdm1?port=1"
source	string	1		Source of the content
title	string	1		Title of this content to be recognized by user. • (ex) "Video" • (ex) "INPUT A"

Error Code

No additional error code is defined. Refer to error code for common errors.

getSchemeList

This API provides the list of schemes that device can handle.

• **Syntax**

http://<Base URL>/avContent

• **Authentication Level**

none

• **Request**

params' Elements

Not necessary.

• **Response**

result's Elements

An array of objects composed by following pairs.

name	type	multiplicity	default	description
scheme	string	1		Scheme name.

Error Code

No additional error code is defined. Refer to error code for common errors.

getSourceList

This API provides the list of sources under the scheme.

• **Syntax**

http://<Base URL>/avContent

• **Authentication Level**

none

• **Request**

params' Elements

An object composed by following pair(s).

name	type	multiplicity	default	description
scheme	string	1		Scheme name.

• **Response**

result's Elements

An array of objects composed by following pairs.

name	type	multiplicity	default	description
source	string	1		Source name composed by URI with scheme and path.

Error Code

No additional error code is defined. Refer to error code for common errors.

setPlayContent

This API provides a function to play content. By this API, content specified in request parameter are shown to user.

• **Syntax**

http://<Base URL>/avContent

• **Authentication Level**

generic

• **Request**

params' Elements

An object composed by following pair(s).

name	type	multiplicity	default	description
uri	string	1		URI obtained from getContentList.

• **Response**

result's Elements

Not necessary.

Error Code

code	explanation
41001	Content does not exist.

4. Network Communication

The ports used in the unit are as shown below.

VPL-FHZ80/F750HZ/F650HZ/PHZ61 series

Protocol/function	Port No.	Service state at the factory	Setting change enabled/disabled	
			Service ON/OFF	Port No.
SDAP	UDP:53862	OFF	Enabled	Enabled
ADCP	TCP:53595	OFF	Enabled	Enabled
SMTP	TCP:25	OFF	Enabled	Disabled
DDDP	UDP:9131	OFF	Enabled	Disabled
PJLink	TCP:4352	OFF	Enabled	Disabled
CIP	TCP:41794	OFF	Enabled	Enabled
SNMP	UDP:161	OFF	Enabled	Disabled

VPL-FHZ131/FHZ101/FHZ91/F1301Z/F1001Z/F901Z series

Protocol/function	Port No.	Service state at the factory	Setting change enabled/disabled	
			Service ON/OFF	Port No.
SDAP	UDP:53862	OFF	Enabled	Enabled
ADCP	TCP:53595	OFF	Enabled	Enabled
SMTP	TCP:25	OFF	Enabled by mail setting	Disabled
POP3	TCP:110	OFF	Enabled by mail setting	Disabled
SNMP	UDP:161	OFF	Enabled	Disabled
DDDP	UDP:9131	OFF	Enabled	Disabled
PJLink	TCP:4352	OFF	Enabled	Disabled
CIP	TCP:41794	OFF	Enabled	Enabled
PJ Control API	TCP:80	OFF	Enabled	Disabled

VPL-P12/P501 series

Protocol/function	Port No.	Service state at the factory	Setting change enabled/disabled	
			Service ON/OFF	Port No.
SDAP	UDP:53862	OFF	Enabled	Enabled
ADCP	TCP:53595	OFF	Enabled	Enabled
SMTP	TCP:25	OFF	Enabled by mail setting	Disabled
POP3	TCP:110	OFF	Enabled by mail setting	Disabled
DDDP	UDP:9131	OFF	Enabled	Disabled
PJLink	TCP:4352	OFF	Enabled	Disabled
CIP	TCP:41794	OFF	Enabled	Enabled

VPL-C10/C500 series

Protocol/function	Port No.	Service state at the factory	Setting change enabled/disabled	
			Service ON/OFF	Port No.
SDAP	UDP:53862	OFF	Enabled	Enabled
ADCP	TCP:53595	OFF	Enabled	Enabled
SMTP	TCP:25	OFF	Enabled by mail setting	Disabled
DDDP	UDP:9131	OFF	Disabled	Disabled
PJLink	TCP:4352	OFF	Enabled	Disabled
CIP	TCP:41794	OFF	Disabled	Enabled

VPL-PHZ60/P620HZ series

Protocol/function	Port No.	Service state at the factory	Setting change enabled/disabled	
			Service ON/OFF	Port No.
SDAP	UDP:53862	OFF	Enabled	Enabled
ADCP	TCP:53595	OFF	Enabled	Enabled
SMTP	TCP:25	OFF	Enabled by mail setting	Disabled
SNMP	UDP:161	OFF	Enabled	Disabled
DDDP	UDP:9131	OFF	Disabled	Disabled
PJLink	TCP:4352	OFF	Enabled	Disabled
CIP	TCP:41794	OFF	Disabled	Enabled

VPL-FHZ120/FHZ90/FHZ70/FHZ50/FHZ60/FWZ60/F640/F540/F630HZ/F530HZ/F430HZ/F630WZ/F530WZ/FH60/F630H/
F530H/F630W/F530W/F1200Z/F900Z series

Protocol/function	Port No.	Service state at the factory	Setting change enabled/disabled	
			Service ON/OFF	Port No.
SDAP	UDP:53862	ON	Enabled	Enabled
ADCP	TCP:53595	ON	Enabled	Enabled
SMTP	TCP:25	OFF	Enabled by mail setting	Disabled
POP3	TCP:110	OFF	Enabled by mail setting	Disabled
SNMP	UDP:161	ON	Disabled	Disabled
DDDP	UDP:9131	ON	Disabled	Disabled
PJLink	TCP:4352	ON	Enabled	Disabled
CIP	TCP:41794	ON	Disabled	Enabled
PJ Control API (*1)	TCP:80	OFF	Enabled	Disabled

*1: VPL-FHZ70/F640HZ/F540HZ only

VPL-FH30/F400H/FHZ700/F700HZ series

Protocol/function	Port No.	Service state at the factory	Setting change enabled/disabled	
			Service ON/OFF	Port No.
SDAP	UDP:53862	OFF	Enabled	Enabled
ADCP	TCP:53595	ON	Enabled	Enabled
SMTP	TCP:25	OFF	Enabled by mail setting	Disabled
POP3	TCP:110	OFF	Enabled by mail setting	Disabled
SNMP	UDP:161	ON	Disabled	Disabled
DDDP	UDP:9131	OFF	Disabled	Disabled
PJLink	TCP:4352	OFF	Enabled	Disabled
CIP	TCP:41794	ON	Disabled	Enabled

VPL-C300/E200/E300/S200/S600/P10/P500/U300 series

Protocol/function	Port No.	Service state at the factory	Setting change enabled/disabled	
			Service ON/OFF	Port No.
SDAP	UDP:53862	OFF	Enabled	Enabled
ADCP	TCP:53595	ON	Enabled	Enabled
SMTP	TCP:25	OFF	Enabled by mail setting	Disabled
POP3	TCP:110	OFF	Enabled by mail setting	Disabled
DDDP	UDP:9131	OFF	Disabled	Disabled
PJLink	TCP:4352	ON	Enabled	Disabled
CIP	TCP:41794	ON	Disabled	Enabled

5. Model List

VPL-C10 Series

VPL-CXZ10
VPL-CWZ10

VPL-C300 Series

VPL-CH350
VPL-CH353
VPL-CH355
VPL-CH358
VPL-CH370
VPL-CH373
VPL-CH375
VPL-CH378

VPL-C500 Series

VPL-C500XZ
VPL-C500WZ

VPL-E200 Series

VPL-EW235
VPL-EW236
VPL-EW255
VPL-EW256
VPL-EW295
VPL-EW296
VPL-EX230
VPL-EX231
VPL-EX233
VPL-EX234
VPL-EX235
VPL-EX250
VPL-EX251
VPL-EX253
VPL-EX254
VPL-EX255
VPL-EX283
VPL-EX290
VPL-EX291
VPL-EX293
VPL-EX294
VPL-EX295

VPL-E300 Series

VPL-EW315
VPL-EW345
VPL-EW348
VPL-EX310
VPL-EX315
VPL-EX340
VPL-EX345

VPL-E400 Series

VPL-EW435
VPL-EW455
VPL-EX430
VPL-EX433
VPL-EX435
VPL-EX450
VPL-EX453
VPL-EX455

VPL-E500 Series

VPL-EW578
VPL-EW575
VPL-EX570
VPL-EX573
VPL-EX575

VPL-F540 Series

VPL-F540HZ
VPL-F545HZ

VPL- F640 Series

VPL-F640HZ
VPL-F645HZ

VPL-F400H Series

VPL-F401H

VPL-F430HZ Series

VPL-F430HZ
VPL-F431HZ
VPL-F435HZ
VPL-F436HZ
VPL-F435HZL
VPL-F436HZL

VPL-F530H Series

VPL-F530H
VPL-F535H

VPL-F530HZ Series

VPL-F530HZ
VPL-F531HZ
VPL-F535HZ
VPL-F536HZ
VPL-F535HZL
VPL-F536HZL

VPL-F530W Series

VPL-F530W
VPL-F535W

VPL-F530WZ Series

VPL-F530WZ
VPL-F535WZ

VPL-F630H Series

VPL-F630H
VPL-F635H

VPL-F630HZ Series

VPL-F630HZ
VPL-F631HZ
VPL-F635HZ
VPL-F636HZ

VPL-F650HZ Series

VPL-F650HZ
VPL-F655HZ

VPL-F750HZ Series

VPL-F750HZ
VPL-F755HZ

VPL-F630W Series

VPL-F630W
VPL-F635W

VPL-F630WZ Series

VPL-F630WZ
VPL-F635WZ

VPL-F700HZ Series

VPL-F720HZL
VPL-F725HZL

VPL-F1001Z Series

VPL-F1001ZL
VPL-F1006ZL

VPL-F1200Z Series

VPL-F1200ZL
VPL-F1205ZL

VPL-F1301Z Series

VPL-F1301ZL
VPL-F1306ZL

VPL-FH30 Series

VPL-FH31

VPL-FH60 Series

VPL-FH60
VPL-FH65

VPL-FHZ50 Series

VPL-FHZ57
VPL-FHZ58

VPL-FHZ60 Series

VPL-FHZ60
VPL-FHZ61
VPL-FHZ65
VPL-FHZ66

VPL-FHZ70 Series

VPL-FHZ70
VPL-FHZ75

VPL-FHZ80 Series

VPL-FHZ80
VPL-FHZ85

VPL-FHZ90 Series

VPL-FHZ90L

VPL-FHZ91 Series

VPL-FHZ91L

VPL-FHZ101 Series

VPL-FHZ101L

VPL-FHZ120 Series

VPL-FHZ120L

VPL-FHZ131 Series

VPL-FHZ131L

VPL-FHZ700 Series

VPL-FHZ700L

VPL-F900Z Series

VPL-F900ZL
VPL-F905ZL

VPL-F901Z Series

VPL-F901ZL
VPL-F906ZL

VPL-FW60 Series

VPL-FW60
VPL-FW65

VPL-FWZ60 Series

VPL-FWZ60
VPL-FWZ65

VPL-S200 Series

VPL-SW225
VPL-SW235
VPL-SX226
VPL-SX236

VPL-S600 Series

VPL-SW631
VPL-SW631C
VPL-SW636C
VPL-SX621
VPL-SX631

VPL-P10 Series

VPL-PHZ10
VPL-PHZ11
VPL-PWZ10
VPL-PWZ11
VPL-PXZ10

VPL-P12 Series

VPL-PHZ12

VPL-P500 Series

VPL-P500HZ
VPL-P500WZ
VPL-P500XZ

VPL-P501 Series

VPL-P501HZ
VPL-P501WZ
VPL-P501XZ

VPL-P620HZ Series

VPL-P620HZ
VPL-P520HZ

VPL-PHZ60 Series

VPL-PHZ60
VPL-PHZ50

VPL-PHZ61 Series

VPL-PHZ61
VPL-PHZ51
VPL-P630HZ
VPL-P530HZ

VPL-U300 Series

VPL-U300WZ

Note

Note that the model that is not listed in the above table is not supported even if it is the model in the product series.

Revision History

Date	History	Contents
2024. 5	1st Edition 9-932-595-51	—

