LEADER

LV 5800A / LV 5800

MULTI MONITOR

INSTRUCTION MANUAL
(ETHERNET)

LEADER
ELECTRONIC MEASURING INSTRUMENTS

TABLE OF CONTENTS

1. INTRODUCTION

This manual explains how to control an LV 5800(A) remotely over an Ethernet. For other explanations and notes, see the main LV 5800(A) instruction manual.

1.1 About Network

The remote control capability operation via the Ethernet is confirmed only under the local network environments; it is not guaranteed under other environments.

1.2 Trademark Acknowledgments

Windows is a registered trademark of Microsoft Corporation in the United States and/or other countries.
Dolby is a trademark of Dolby Laboratories.

2. ETHERNET

You can set nearly all settings that can be specified using the front panel keys by transferring the command to LV 5800(A) using the PC that is connected via Ethernet network.
In addition, the various data that is detected by LV 5800(A) can be transferred to the PC that is connected via Ethernet network.
See the main LV 5800(A) instruction manual for Ethernet settings (*1) to the main frame.

*1 For IP Address settings to LV 5800(A), press the SYS key to display the system menu. Then, press F·2 (PLATFORM SETUP) to display the tab menu to set up IP Address.

2.1 Remote Control Using TELNET

To control the LV 5800(A) remotely using a controller such as a PC connected to the network, TELNET (*2) is used.
For a description on how to start (*3) TELNET, see the instruction manual that came with your PC. The login name and password cannot be changed on the LV 5800(A).

When the TELNET connection is established, “login:” appears on the screen. Enter “LV5800”.

```
LV5800 login: LV5800
```

Next “Password:” appears. Enter “LV5800“.
Actually, letter of password is not displayed.

```
LV5800 login: LV5800
Password: LV5800
```

Appears「LV5800>」.

```
LV5800 login: LV5800
Password: LV5800
LV5800>
```

*2 Flow control for TELNET remote control
If you are remotely controlling the LV 5800(A) via TELNET, enable the TELNET flow control. If your TELNET client does not support flow control, the LV 5800(A) may not operate correctly if commands are sent at high speeds.
If you cannot use flow control, (1) allow approximately 1-second interval between each command or (2) send the REMOTE:REPLY command described in section 2.4.1, “LV 5800(A) Commands (MULTI MONITOR)” to enable return values and perform software handshaking.

*3 To start TELNET on Windows 7
On the task bar, click Start, and then click Run.
Type “TELNET” followed by a space and then the LV 5800(A) IP address. Click OK.
(To use TELNET, open Control Panel, click Turn Windows features on or off under Program and Features, and select the Telnet Client check box.)

2.2 FTP File Transfer

To transfer files from LV 5800(A) to PC connected to the network, FTP is used. For a description on how to start (*1) FTP, see the instruction manual that came with your PC.
The user name and password cannot be changed on the LV 5800(A).

When the FTP starts, “User” appears on the screen. Enter “LV5800”.

```
Connected to xxx.xxx.xxx.xxx
220 FTP Server ready
User(xxx.xxx.xxx.xxx:(none)): LV5800
```

Next “Password:” appears. Enter “LV5800“.
Actually, letter of password is not displayed.

```
Connected to xxx.xxx.xxx.xxx
220 FTP Server ready
User(xxx.xxx.xxx.xxx:(none)): LV5800
331 Password required
Password: LV5800
```

Appears「ftp>」.

```
Connected to xxx.xxx.xxx.xxx
220 FTP Server ready
User(xxx.xxx.xxx.xxx:(none)): LV5800
331 Password required
Password: LV5800
230 Logged in
ftp>
```

*1 To start FTP on Windows 7
On the task bar, click Start, and then click Run.
Type “FTP” followed by a space and then the IP address. Click OK.

2.3 Command Entry Procedure

The system of control commands used on the Ethernet network follows the menu structure. Reading this manual and the instruction manuals of each Unit of the LV 5800(A) will facilitate the process.

- Entry Method of the Command

  The entry method of the command is shown below. The control commands are entered using the following syntax: the command followed by a space followed by commands. The parameter can be used either of: none, 1, or 2 pieces.

  [Command] + [Space] + [Parameter1] + [Space] + [Parameter2]

  * You can use uppercase or lowercase characters for commands.
  * You must specify a unit number for commands that start with [SYS:UNIT:]. Enter a unit number (1 to 6) in [Parameter 1]. To check which unit is installed to a unit number (n), use the [SYS:UNITn_INFO] command.
  * Measurement display commands that start with [WFM], [VECT], [PIC], [AUDIO], [STATUS], and [EYE] apply only to the display specified by the [DISPLAY] command. If you enter a command with a mode different from the current display mode, the command is discarded.

- Control Command Entry Example

  The command entry example is shown below.

  ・When there is no parameter.
  STATUS:RESET [Enter]
  (The error of the status screen is reset.)

  ・When there is a 1 parameter.
  WFM:GAIN:MAG X5 [Enter]
  (Sets the gain of the video signal waveform display to 5 times.)

  ・When there are 2 parameters.
  SYS:UNIT:LINKFORMAT 1 SINGLE [Enter]
  (Sets the link format of SDI Input installed in unit 1 to single link.)

2.4 TELNET Commands

2.4.1 LV 5800(A) Commands (MULTI MONITOR)

- Front Panel LV 5800(A) (MULTI MONITOR)

Command	Parameter1	Description
DISPLAY	1	Selects first area
	2	Selects second area
	3	Selects third area
	4	Selects fourth area
	?	Queries the selected area
MULTI	ON	Selects multi screen display
	OFF	Selects 1 screen display
	?	Queries the multi screen display
INPUT:UNIT	UNIT1	Selects unit 1
	UNIT2	Selects unit 2
	UNIT3	Selects unit 3
	UNIT4	Selects unit 4
	?	Queries the selected unit
INPUT:CH	A	Selects channel A
	B	Selects channel B
	?	Queries the input channel
MODE	WFM	Selects the video signal waveform
	VECT	Selects vector waveform
	PIC	Selects picture display
	AUDIO	Selects audio display
	STATUS	Selects status display
	EYE	Selects eye pattern display
	?	Queries the measurement mode
EXT	INT	Selects internal sync signal
	EXT	Selects external sync signal
	?	Queries the sync signal
RCLL	1 to 60	Recall presets memory
MAKE	CAPTURE	Captures the displayed screen to the internal memory of the LV 5800(A)

- PLATFORM SETUP (GENERAL SETUP) LV 5800(A) (MULTI MONITOR)

Command	Parameter1	Description
SYS:PLATFORM:SOURCE_MODE	SINGLE	Sets the single input mode.
	MULTI	Sets the multi input mode. (Doesn't interlock with the line selection.)
	MULTI_LINE	Sets the multi input mode. (Interlocks with the line selection.)
	?	Queries the input mode.
SYS:PLATFORM:DISPLAY: MULTI_MODE	2MULTI	Sets the 2 screen display when the multi screen is selected
	4MULTI	Sets the 4 screen display when the multi screen is selected
	?	Queries the multi screen display
SYS:PLATFORM:WINDOW_MARKER	OFF	Sets the selected window to a colorlessness frame.
	BLUE	Sets the selected window to a blue frame.
	WHITE	Sets the selected window to a white frame.
	?	Queries the frame color of selected window.
SYS:PLATFORM:CAPTURE_MODE	SCREEN	Sets the capture mode to screen capture.
	VIDEO_FRAME	Sets the capture mode to frame capture.
	?	Queries the capture mode.
SYS:PLATFORM:DISPLAY:INFO:FORMAT	ON	The format is displayed.
	OFF	The format is not displayed.
	?	Queries the presence of format display setting.
SYS:PLATFORM:DISPLAY:INFO:DATE	OFF	The date is not displayed.
	YMD	Displays the date in order of the year/ month / day.
	MDY	Displays the date in order of the month/ day/ year.
	DMY	Displays the date in order of the day/ month / year.
	?	Queries the presence of date display setting and display type.
SYS:PLATFORM:DISPLAY:INFO:TIME	ON	The time is displayed.
	OFF	Time is not displayed.
	?	Queries the presence of time display setting.
SYS:PLATFORM:DISPLAY:INFO:COLOR	ON	The color system is displayed.
	OFF	The color system is not displayed.
	?	Queries the presence of color system display
SYS:PLATFORM:DISPLAY:INFO:INPUT	ON	Number of input unit and the input channel are displayed.
	OFF	Number of input unit and the input channel are not displayed.
	?	Queries the presence of setting for displaying both the number of input unit and the input channel.
SYS:PLATFORM:DISPLAY:BACKLIGHT	HIGH	Brightens the backlight.
	LOW	Dims the backlight.
	?	Queries the brightness of the backlight.
SYS:PLATFORM:DISPLAY:AUTO_OFF	OFF	The backlight is always turned on.
	5MIN	The backlight is shut off 5 minutes after pressing the last key.
	30MIN	The backlight is shut off 30 minutes after pressing the last key.
	60MIN	The backlight is shut off 60 minutes after pressing the last key.
	?	Queries the presence of auto shutoff setting of the backlight and the time of shutoff of the backlight.

- PLATFORM SETUP (REMOTE) LV 5800(A) (MULTI MONITOR)

Command	Parameter1	Description
SYS:PLATFORM:REMOTE_MODE	BIT	Recalls the presets from No.1 to 8 by bit.
	BINARY	Recalls the presets from No.1 to 60 by binary code.
	?	Queries the remote mode.
SYS:PLATFORM:ALARM:POLARITY	POSITIVE	High is output at the time of error detection
	NEGATIVE	Low is output at the time of error detection
	?	Queries the output polarity at the time of error detection.
SYS:PLATFORM:ALARM1:UNIT	UNIT1	Outputs the error of unit No.1 to alarm 1.
	UNIT2	Outputs the error of unit No.2 to alarm 1.
	UNIT3	Outputs the error of unit No.3 to alarm 1.
	UNIT4	Outputs the error of unit No.4 to alarm 1.
	ALL	Outputs the error of all units to alarm 1.
	?	Outputs the error of unit from No.1 to 4 to alarm 1.
SYS:PLATFORM:ALARM2:UNIT	UNIT1	Outputs the error of unit No.1 to alarm 2.
	UNIT2	Outputs the error of unit No.2 to alarm 2.
	UNIT3	Outputs the error of unit No.3 to alarm 2.
	UNIT4	Outputs the error of unit No.4 to alarm 2.
	ALL	Outputs the error of unit from No.1 to 4 to alarm 2.
	?	Queries the unit that outputs the error to alarm 2.
SYS:PLATFORM:ALARM3:UNIT	UNIT1	Outputs the error of unit No.1 to alarm 3.
	UNIT2	Outputs the error of unit No.2 to alarm 3.
	UNIT3	Outputs the error of unit No.3 to alarm 3.
	UNIT4	Outputs the error of unit No.4 to alarm 3.
	ALL	Outputs the error of unit from No.1 to 4 to alarm 3.
	?	Queries the unit that outputs the error to alarm 3.
SYS:PLATFORM:ALARM4:UNIT	UNIT1	Outputs the error of unit No.1 to alarm 4.
	UNIT2	Outputs the error of unit No.2 to alarm 4.
	UNIT3	Outputs the error of unit No.3 to alarm 4.
	UNIT4	Outputs the error of unit No.4 to alarm 4.
	ALL	Outputs the error of unit from No.1 to 4 to alarm 4.
	?	Queries the unit that outputs the error to alarm 4.
SYS:PLATFORM:ALARM1:CH	A	Outputs the error of A channel to alarm 1.
	B	Outputs the error of B channel to alarm 1.
	A/B	Outputs the error of A/B channels to alarm 1.
	?	Queries the channel that outputs the error to alarm 1.
SYS:PLATFORM:ALARM2:CH	A	Outputs the error of A channel to alarm 2.
	B	Outputs the error of B channel to alarm 2.
	A/B	Outputs the error of A/B channels to alarm 2.
	?	Queries the channel that outputs the error to alarm 2.
SYS:PLATFORM:ALARM3:CH	A	Outputs the error of A channel to alarm 3.
	B	Outputs the error of B channel to alarm 3.
	A/B	Outputs the error of A/B channels to alarm 3.
	?	Queries the channel that outputs the error to alarm 3.
SYS:PLATFORM:ALARM4:CH	A	Outputs the error of A channel to alarm 4.
	B	Outputs the error of B channel to alarm 4.
	A/B	Outputs the error of A/B channels to alarm 4.
	?	Queries the channel that outputs the error to alarm 4.
SYS:PLATFORM:ERROR_BEEP	ENABLE	Sounds the Beep Alarm when error is detected.
	DISABLE	Does not sound the Beep Alarm when error is detected.
	?	Queries whether to sound Beep Alarm when error is detected

- DATE&TIME LV 5800(A) (MULTI MONITOR)

Command	Parameter1	Description
SYS:DATE	YYYY/MM/DD,hh:mm:ss	Sets up the date and time.
	?	Queries the date and time

- SYSTEM INFORMATION LV 5800(A) (MULTI MONITOR)

Command	Parameter1	Description
SYS:UNIT1_INFO	-	Queries the unit 1 type
SYS:UNIT2_INFO	-	Queries the unit 2 type
SYS:UNIT3_INFO	-	Queries the unit 3 type
SYS:UNIT4_INFO	-	Queries the unit 4 type
SYS:UNIT5_INFO	-	Queries the unit 5 type
SYS:UNIT6_INFO	-	Queries the unit 6 type

- LCD OFF LV 5800(A) (MULTI MONITOR)

Command	Parameter1	Description
SYS:LCD_OFF	-	Shuts off the LED.

- INITIALIZE LV 5800(A) (MULTI MONITOR)

Command	Parameter1	Description
SYS:INIT	-	Initializes the LV 5800(A).

- Miscellaneous LV 5800(A) (MULTI MONITOR)

Command	Parameter1	Description
REMOTE:HELP	-	Displays the list of the commands.
REMOTE:REPLY (*1)	ON	Replies for the command.
	OFF	Does not reply for the command.(Default setting)

*1 Return value when REMOTE:REPLY is ON

If the LV 5800(A) is in the factory default condition (REMOTE:REPLY = OFF), the LV 5800(A) does not return a value even when a command has an error during TELNET remote control. It only returns a value for queries using a “?” parameter. This is done to maintain compatibility with the LV 5700.

By setting the REMOTE:REPLY command parameter to ON, the LV 5800(A) will return a value as follows:

OK: If the command is processed properly.

ERR1: If the number of parameters is incorrect.

ERR2: If a parameter value is out of range.

ERR3: If the function is not enabled in the current condition.

If the command itself is wrong, the LV 5800(A) will return the following character string.

-rbash:the incorrect command:command not found

2.4.2 LV 58SER01A Commands (SDI INPUT)

- UNIT SETUP (GENERAL SETUP) LV 58SER01A (SDI INPUT)

Command	Parameter1	Parameter2	Description
SYS:UNIT:LINK_FORMAT	1,2,3,4 (*1)	SINGLE	Sets the link format to single link.
		DUAL	Sets the link format to dual link.
		2K	Sets the link format to 2048 × 1080 (2K) of dual link.
		?	Queries the link format
SYS:UNIT:MANUAL_SELECT	1,2,3,4	AUTO	Sets the format automatically at the time of single link.
		MANUAL	Sets the format manually at the time of single link.
		?	Queries the format at the time of single link.
SYS:UNIT:MANUAL_FORMAT	1,2,3,4	1080I/60	Sets the format to 1080i/60 at the time of single link.
		1080I/59.94	Sets the format to 1080i/59.94 at the time of single link.
		1080I/50	Sets the format to 1080i/50 at the time of single link.
		1080SF/30	Sets the format to 1080PsF/30 at the time of single link.
		1080SF/29.97	Sets the format to 1080PsF/29.97 at the time of single link.
		1080SF/25	Sets the format to 1080PsF/25 at the time of single link.
		1080SF/24	Sets the format to 1080PsF/24 at the time of single link.
		1080SF/23.98	Sets the format to 1080PsF/23.98 at the time of single link.
		1080P/30	Sets the format to 1080p/30 at the time of single link.
		1080P/29.97	Sets the format to 1080p/29.97 at the time of single link.
		1080P/25	Sets the format to 1080p/25 at the time of single link.
		1080P/24	Sets the format to 1080PsF/24 at the time of single link.
		1080P/23.98	Sets the format to 1080PsF/23.98 at the time of single link.
		720P/60	Sets the format to 720p/60 at the time of single link.
		720P/59.94	Sets the format to 720p/59.94 at the time of single link.
		720P/50	Sets the format to 720p/50 at the time of single link.
		720P/30	Sets the format to 720p/30 at the time of single link.
		720P/29.97	Sets the format to 720p/29.97 at the time of single link.
		720P/25	Sets the format to 720p/25 at the time of single link.

*1 Enters the unit number in which LV 58SER01A is being installed.

Command	Parameter1	Parameter2	Description
SYS:UNIT:MANUAL_FORMAT	1,2,3,4	720P/24	Sets the format to 720p/24 at the time of single link.
		720P/23.98	Sets the format to 720p/23.98 at the time of single link.
		525I/59.94	Sets the format to 525i/59.94 at the time of single link.
		625I/50	Sets the format to 625i/50 at the time of single link.
SYS:UNIT:I_PSF	1,2,3,4	INTERLACE	Sets the format display type to the interlace at the time of single link.
		SEG.FRAM	Sets the format display type to the segmented frame at the time of single link.
		?	Queries the format display type at the time of single link.
SYS:UNIT:DUAL:SYSTEM	1,2,3,4	GBR_444	Sets the color system to GBR (4:4:4) at the time of dual link.
		YCBCR_422	Sets the color system to YCbCr (4:2:2) at the time of dual link.
		?	Queries the color system at the time of dual link.
SYS:UNIT:DUAL:DEPTH	1,2,3,4	10B	Sets the number of quantization bits per pixel to 10-bit at the time of dual link.
		12B	Sets the number of quantization bits per pixel to 12-bit at the time of dual link.
		?	Queries the number of quantization bits per pixel at the time of dual link.
SYS:UNIT:DUAL:SCAN	1,2,3,4	1080I	Sets the scan mode to the interlace at the time of dual link.
		1080PSF	Sets the scan mode to the segment-frame at the time of dual link.
		1080P	Sets the scan mode to the progressive at the time of dual link.
		?	Queries the scan mode at the time of dual link.
SYS:UNIT:INFO:TIME_CODE	1,2,3,4	REAL	Use the built-in time function of main frame for the time display.
		LTC	Use the LTC (time code) for the time display.
		VITC	Use the VITC (time code) for the time display.
		D-VITC	Use the D-VITC (time code) for the time display.
		?	Queries the time display mode being displayed.
SYS:UNIT:SELECT_OUTPUT	1,2,3,4	A	OUTPUT SDI A/B becomes the reclock output of A channel during single link.
		A/B	OUTPUT SDI A/B becomes the reclock output of active channel during single link.
		?	Queries the setting of the OUTPUT SDI A/B during single link.

- UNIT SETUP (ERROR SETUP1) LV 58SER01A (SDI INPUT)

Command	Parameter1	Parameter2	Description
SYS:UNIT:ERROR:TRS	1,2,3,4	ON	Detects the TRS errors.
		OFF	Does not detect the TRS errors.
		?	Queries the presence of TRS error detection.
SYS:UNIT:ERROR:HD_LINE	1,2,3,4	ON	Detects the line number errors.
		OFF	Does not detect the line number errors.
		?	Queries the presence of line number error detection.
SYS:UNIT:ERROR:HD_CRC	1,2,3,4	ON	Detects the CRC errors.
		OFF	Does not detect the CRC errors.
		?	Queries the presence of CRC error detection.
SYS:UNIT:ERROR:SD_EDH	1,2,3,4	ON	Detects the EDH errors.
		OFF	Does not detect the EDH errors.
		?	Queries the existence of EDH error detection function.
SYS:UNIT:ERROR:ILLEGAL_CODE	1,2,3,4	ON	Detects the illegal code errors.
		OFF	Does not detect the illegal code errors.
		?	Queries the presence of illegal code error detection.
SYS:UNIT:ERROR:CABLE	1,2,3,4	ON	Detects the cable errors.
		OFF	Does not detect the cable errors.
		?	Queries the presence of cable error detection.
SYS:UNIT:ERROR:HD_CABLE	1,2,3,4	LS_5CFB	Sets the cable type to FS_5CFB for HD-SDI input.
		1694A	Sets the cable type to 1694A for HD-SDI input.
		L_7CHD	Sets the cable type to L-7CHD for HD-SDI input.
		?	Queries the cable type for HD-SDI input.
SYS:UNIT:ERROR:HD_LENGTH	1,2,3,4	5 to 200	Sets the cable length (m) considered as an error for the HD-SDI input.
		?	Queries the cable length considered as an error for HD-SDI input.
SYS:UNIT:ERROR:HD_WARN	1,2,3,4	5 to 200	Sets the cable length (m) considered as a warning for the HD-SDI input.
		?	Queries the cable length considered as a warning for HD-SDI input.
SYS:UNIT:ERROR:SD_CABLE	1,2,3,4	L_5C2V	Sets the cable type to L_5C2V for SD-SDI input.
		8281?	Sets the cable type to 8281 for SD-SDI input.
		1505A	Sets the cable type to 1505A for SD-SDI input.
		?	Queries the cable type for SD-SDI input.
SYS:UNIT:ERROR:SD_LENGTH	1,2,3,4	50 to 300	Sets the cable length (m) considered as an error for the SD-SDI input.
		?	Queries the cable length considered as an error for SD-SDI input.
SYS:UNIT:ERROR:SD_WARN	1,2,3,4	50 to 300	Sets the cable length (m) considered as a warning for the SD-SDI input.
		?	Queries the cable length considered as a warning for SD-SDI input.

- UNIT SETUP (ERROR SETUP2) LV 58SER01A (SDI INPUT)

Command	Parameter1	Parameter2	Description
SYS:UNIT:ERROR:ANC:PARITY	1,2,3,4	ON	Detects the parity errors in the ancillary data.
		OFF	Does not detect the parity errors in the ancillary data.
		?	Queries the presence of parity error detection in the ancillary data.
SYS:UNIT:ERROR:ANC:CHECKSUM	1,2,3,4	ON	Detects the checksum errors in the ancillary data.
		OFF	Does not detect the checksum errors in the ancillary data.
		?	Queries the presence of checksum error detection in the ancillary data.
SYS:UNIT:ERROR:AUDIO:BCH	1,2,3,4	ON	Detects the BCH errors in the embedded audio.
		OFF	Does not detect the BCH errors in the embedded audio.
		?	Queries the presence of BCH error detection in the embedded audio.
SYS:UNIT:ERROR:AUDIO:DBN	1,2,3,4	ON	Detects the DBN errors in the embedded audio.
		OFF	Does not detect the DBN errors in the embedded audio.
		?	Queries the presence of DBN error detection in the embedded audio.
SYS:UNIT:ERROR:AUDIO:PARITY	1,2,3,4	ON	Detects the parity errors in the embedded audio.
		OFF	Does not detect the parity errors in the embedded audio.
		?	Queries the presence of parity error detection in the embedded audio.
SYS:UNIT:ERROR:AUDIO:INHIBIT	1,2,3,4	ON	Detects the inhibit errors in the embedded audio.
		OFF	Does not detect the inhibit errors in the embedded audio.
		?	Queries the presence of inhibit error detection in the embedded audio.

- UNIT SETUP (ERROR SETUP3) LV 58SER01A (SDI INPUT)

Command	Parameter1	Parameter2	Description
SYS:UNIT:ERROR:GAMUT:LPF	1,2,3,4	HD1M_SD1M	Sets the LPF for gamut error detection to 1 MHz.
		HD2.8M_SD1M	Sets the LPF for gamut error detection to 2.8 MHz as for HD-SDI and to 1 MHz as for SD-SDI.
		OFF	Turns off the LPF for gamut error detection.
		?	Queries the LPF setting for gamut error detection.
SYS:UNIT:ERROR:GAMUT	1,2,3,4	ON	Detects the gamut errors.
		OFF	Does not detect the gamut errors.
		?	Queries the presence of gamut error detection.
SYS:UNIT:ERROR:GAMUT:UPPER	1,2,3,4	90.8 to 109.4	Sets the upper limit (%) of gamut error
		?	Queries the upper limit of the gamut error.
SYS:UNIT:ERROR:GAMUT:LOWER	1,2,3,4	-7.2 to 6.1	Sets the lower limit (%) of gamut error
		?	Queries the lower limit of the gamut error.
SYS:UNIT:ERROR:GAMUT:AREA	1,2,3,4	0.1 to 5.0	Sets the area ratio (%) for gamut error detection.
		?	Queries the area ratio for gamut error detection.
SYS:UNIT:ERROR:GAMUT:DURATION	1,2,3,4	1 to 60	Sets the duration (frames) of detection for gamut error.
		?	Queries the duration of detection for gamut error.
SYS:UNIT:ERROR:C_GAMUT	1,2,3,4	ON	Detects the composite gamut errors.
		OFF	Does not detect the composite gamut errors.
		?	Queries the presence of composite gamut error detection.
SYS:UNIT:ERROR:C_GAMUT:SETUP	1,2,3,4	0P	Sets the setup to exclude when converting the composite.
		7.5P	Sets the setup to 7.5 % when converting the composite.
		?	Queries the setup value when converting the composite.
SYS:UNIT:ERROR:C_GAMUT:UPPER	1,2,3,4	90.0 to 135.0	Sets the upper limit (%) of composite gamut error
		?	Queries the upper limit of the composite gamut error.
SYS:UNIT:ERROR:C_GAMUT:LOWER	1,2,3,4	-40.0 to 20.0	Sets the lower limit (%) of composite gamut error
		?	Queries the lower limit of the composite gamut error.
SYS:UNIT:ERROR:C_GAMUT:AREA	1,2,3,4	0.1 to 5.0	Sets the detection area (%) for composite gamut error.
		?	Queries the detection area (%) for composite gamut error.
SYS:UNIT:ERROR:C_GAMUT:DURATION	1,2,3,4	1 to 60	Sets the duration of detection (frames) for gamut error.
		?	Queries the duration of detection for gamut error.

- UNIT SETUP (ERROR SETUP4) LV 58SER01A (SDI INPUT)

Command	Parameter1	Parameter2	Description
SYS:UNIT:ERROR:FREEZE	1,2,3,4	ON	Detects the freeze errors.
		OFF	Does not detect the freeze errors.
		?	Queries the presence of freeze error detection.
SYS:UNIT:ERROR:FREEZE:UPPER	1,2,3,4	0 to 100	Sets the detection area (upper) for freeze error. (%)
		?	Queries the detection area (upper) for freeze error.
SYS:UNIT:ERROR:FREEZE:LOWER	1,2,3,4	0 to 100	Sets the detection area (lower) for freeze error. (%)
		?	Queries the detection area (lower) for freeze error.
SYS:UNIT:ERROR:FREEZE:LEFT	1,2,3,4	0 to 100	Sets the detection area (left side) for freeze error. (%)
		?	Queries the detection area (left side) for freeze error.
SYS:UNIT:ERROR:FREEZE:RIGHT	1,2,3,4	0 to 100	Sets the detection area (right side) for freeze error. (%)
		?	Queries the detection area (right side) for freeze error. (%)
SYS:UNIT:ERROR:FREEZE:DURATION	1,2,3,4	2 to 300	Sets the duration of detection (frames) for freeze error.
		?	Queries the duration of detection for freeze error.
SYS:UNIT:ERROR:BLACK	1,2,3,4	ON	Detects the black errors.
		OFF	Does not detect the black errors.
		?	Queries the presence of black error detection.
SYS:UNIT:ERROR:BLACK:LEVEL	1,2,3,4	0 to 100	Sets the detection level (%) for black error.
		?	Queries the detection level for black error.
SYS:UNIT:ERROR:BLACK:AREA	1,2,3,4	1 to 100	Sets the detection area (%) for black error.
		?	Queries the detection area for black error.
SYS:UNIT:ERROR:BLACK:DURATION	1,2,3,4	1 to 300	Sets the duration of detection (frames) for black error.
		?	Queries the duration of detection for black error.

- UNIT SETUP (ERROR SETUP5) LV 58SER01A (SDI INPUT)

Command	Parameter1	Parameter2	Description
SYS:UNIT:ERROR:LEVEL	1,2,3,4	ON	Detects the level errors.
		OFF	Does not detect the level errors.
		?	Queries the presence of level error detection.
SYS:UNIT:ERROR:LEVEL:RUMA:UPPER	1,2,3,4	-51 to 766	Sets the upper limit (mV) of luminance level.
		?	Queries the upper limit of luminance level.
SYS:UNIT:ERROR:LEVEL:RUMA:LOWER	1,2,3,4	-51 to 766	Sets the lower limit (mV) of luminance level.
		?	Queries the lower limit of luminance level.
SYS:UNIT:ERROR:LEVEL:CHROMA:UPPER	1,2,3,4	-400 to 399	Sets the upper limit (mV) of chroma difference level.
		?	Queries the upper limit of chroma difference level.
SYS:UNIT:ERROR:LEVEL:CHROMA:LOWER	1,2,3,4	-400 to 399	Sets the lower limit (mV) of chroma difference level.
		?	Queries the lower limit of chroma difference level.

- WFM LV 58SER01A (SDI INPUT)

Command	Parameter 1	Description
WFM	-	Displays the video signal waveform.
WFM:CH1	ON	Displays CH1.
	OFF	Does not display CH1
	?	Queries the presence of CH1 display.
WFM:CH2	ON	Displays CH2.
	OFF	Does not display CH2
	?	Queries the presence of CH2 display.
WFM:CH3	ON	Displays CH3.
	OFF	Does not display CH3
	?	Queries the presence of CH3 display.
WFM:OVLAY	ON	Sets overlay display.
	OFF	Sets parade display.
	?	Queries the display mode.

- WFM - INTEN/SCALE LV 58SER01A (SDI INPUT)

Command	Parameter1	Description
WFM:INTEN:WFM	-128 to 127	Adjusts the intensity of the video waveforms.
	?	Queries the intensity of the video waveforms.
WFM:COLOR	WHITE	Sets the waveform display color to white.
	GREEN	Sets the waveform display color to green.
	MULTI	Sets the waveform display color as follows: Y: Yellow, Cb: Cyan, Cr: Magenta, G: Green, B: Blue, and R: Red.
	?	Queries the waveform display color.
WFM:INTEN:SCALE	-8 to 7	Adjusts the intensity of the scale.
	?	Queries the intensity of the scale.
WFM:SCALE:UNIT	HDV_SDP	Sets the scale unit to V for HD-SDI and % for SD-SDI.
	HDV_SDV	Sets the scale unit to V.
	HDP_SDP	Sets the scale unit to %.
	?	Queries the scale unit.
WFM:SCALE:COLOR75P	ON	Displays the 75% scale.
	OFF	Does not display the 75% scale.
	?	Queries the presence of the 75% scale display.
WFM:SCALE:COLOR	WHITE	Sets the scale color to white.
	YELLOW	Sets the scale color to yellow.
	CYAN	Sets the scale color to cyan.
	GREEN	Sets the scale color to green.
	MAGENTA	Sets the scale color to magenta.
	RED	Sets the scale color to red.
	BLUE	Sets the scale color to blue.
	?	Queries the scale color.

- WFM - GAIN/SWEEP LV 58SER01A (SDI INPUT)

Command	Parameter1	Description
WFM:GAIN:VAR	CAL	Sets the gain mode of the waveform to a constant (x1).
	VAR	Sets the gain mode of the waveform to variable (×0.200 to ×2.000).
	?	Queries the gain mode setting.
WFM:GAIN:VAL	0.200 to 2.000	Sets the variable gain value of the waveform.
	?	Queries the variable gain value of the waveform.
WFM:GAIN:MAG	X1	Sets the magnification of the waveform to x1.
	X5	Sets the magnification of the waveform to x5.
	?	Queries the magnification of the waveform.
WFM:SWEEP:SWEEP	H	Sets the sweep mode to the line display.
	V	Sets the sweep mode to the field or frame display.
	?	Queries the sweep mode setting.
WFM:SWEEP:H_SWEEP	1H	Sets 1 line display.
	2H	Sets 2 line display.
	?	Queries the line display setting.
WFM:SWEEP:V_SWEEP	1V	Sets 1 frame display if the input signal is progressive. Sets 1 field display if the input signal is interlace or segmented frame.
	2V	Sets 1 frame display.
	?	Queries the field or frame display setting

Command	Parameter1	Description
WFM:SWEEP:H_MAG	X1	In case of line display, set the sweep magnification so that the waveform fits on the screen.
	X10	In case of line display, set the sweep magnification to x10 with respect to x1.
	X20	In case of line display, set the sweep magnification to x20 with respect to x1.
	ACTIVE	In case of line display, display to magnify the waveform in the active period.
	BLANK	In case of line display, display to magnify the waveform in the H blanking period.
	?	Queries the sweep magnification mode in case of line display.
WFM:SWEEP:V_MAG	X1	In case of field (frame) display, set the sweep magnification so that the waveform fits on the screen.
	X20	In case of field (frame) display, set the sweep magnification to x20 with respect to X1.
	X40	In case of field (frame) display, set the sweep magnification to x40 with respect to X1.
	?	Queries the sweep magnification mode in case of field (frame) display.
WFM:SWEEP:FIELD	FIELD1	Displays the waveform of field 1.
	FIELD2	Displays the waveform of field 2.
	?	Queries the selected field.

- WFM - LINE SELECT LV 58SER01A (SDI INPUT)

Command	Parameter1	Description
WFM:LINE_SELECT	ON	Enables the line select function.
	OFF	Disables the line select function.
	?	Queries the line select function.
WFM:LINE_FIELD	FIELD1	Sets the selection range of the line select to field 1.
	FIELD2	Sets the selection range of the line select to field 2.
	FRAME	Sets the selection range of the line select to frame.
	?	Queries the selection range of the line select.
WFM:LINE_NUMBER	Example) 1 to 1125 (Depending on the format)	Sets the line of the line select.
	?	Queries the selected line of the line select.

- WFM - ARRANGE LV 58SER01A (SDI INPUT)

Command	Parameter1	Description
WFM:FILTER:NORMAL	FLAT	Sets the filter to Flat for the component display.
	LOWPASS	Sets the filter to LPF for the component display.
	?	Queries the filter setting for the component display.
WFM:FILTER:COMPOSITE	FLAT	Sets the filter to Flat when displaying the pseudo-composite.
	FLAT_LUM	Sets the filter to Flat and to parade display of the luminance signal when displaying the pseudo-composite.
	LUM_CHROMA	Sets the filter to luminance signal and to parade display of the color signal when displaying the pseudo-composite.
	?	Queries the filter setting when displaying the pseudo-composite.

Command	Parameter1	Description
WFM:BLANKING:NORMAL	REMOVE	Displays the active period for the component display.
	H_VIEW	Displays the active period and the horizontal blanking period for the component display.
	V_VIEW	Displays the active period and the vertical blanking period for the component display.
	ALL_VIEW	Displays the entire input signal for the component display.
	?	Queries the blanking period display for the component display.
WFM:BLANKING:COMPOSITE	REMOVE	Displays the active period when displaying the pseudo-composite.
	V_VIEW	Displays the active period and the vertical blanking period when displaying the pseudo-composite.
	?	Queries the blanking period display when displaying the pseudo-composite.
WFM:PERSISTENCE	ON	Sets the persistence display to enabe.
	OFF	Sets the persistence display to disable.
	INFINIT	Overlays the waveform.
	?	Queries the persistence display setting.
WFM:PERSIST_CLEAR	-	Clears the overlaid waveforms.
WFM:SPECIAL_FORM	NORMAL	Sets the SPECIAL FORM display to disable.
	TIMING	Sets the SPECIAL FORM display to TIMING.
	4Y_PARADE	Sets the SPECIAL FORM display to 4Y PARADE.
	?	Queries the SPECIAL FORM display setting.

- WFM - COLOR SYSTEM LV 58SER01A (SDI INPUT)

Command	Parameter1	Description
WFM:MATRIX	YCBCR	Sets the color matrix to YCbCr display.
	GBR	Sets the color matrix to GBR display.
	RGB	Sets the color matrix to RGB display.
	COMPOSITE	Sets the color matrix to pseudo-composite display.
	?	Queries the color matrix setting.
WFM:MATRIX:YGBR	ON	Displays the luminance signal when displaying RGB.
	OFF	Does not display the luminance signal when displaying RGB.
	?	Queries the presence of luminance signal when displaying RGB.
WFM:MATRIX:YRGB	ON	Displays the luminance signal when displaying RGB.
	OFF	Does not display the luminance signal when displaying RGB.
	?	Queries the presence of luminance signal when displaying RGB.
WFM:MATRIX:COMPOSITE:FORMAT	AUTO	Selects NTSC or PAL automatically when displaying the pseudo-composite.
	NTSC	Displays NTSC when displaying the pseudo-composite.
	PAL	Displays PAL when displaying the pseudo-composite.
	?	Queries the display format of the pseudo-composite display.
WFM:MATRIX:SETUP	0P	Sets the setup to exclude when displaying the pseudo-composite.
	7.5P	Sets the setup to 7.5% when displaying the pseudo-composite.
	?	Queries the setup value of the pseudo-composite display.

- VECTOR LV 58SER01A (SDI INPUT)

Command	Parameter1	Description
VECTOR	-	Displays vector waveforms.

- VECTOR - INTEN/SCALE LV 58SER01A (SDI INPUT)

Command	Parameter1	Description
VECTOR:INTEN:VECTOR	-128 to 127	Sets the intensity of the vector waveform.
	?	Queries the intensity of the vector waveform.
VECTOR:COLOR	WHITE	Sets the waveform display color to white.
	GREEN	Sets the waveform display color to green.
	?	Queries the waveform display color.
VECTOR:INTEN:SCALE	-8 to 7	Sets the intensity of the scale.
	?	Queries the intensity of the scale.
VECTOR:SCALE:IQ	ON	Displays the IQ axis.
	OFF	Does not display the IQ axis.
	?	Queries the presence of displaying the IQ axis.
VECTOR:SCALE:COLOR	WHITE	Sets the scale color to white.
	YELLOW	Sets the scale color to yellow.
	CYAN	Sets the scale color to cyan.
	GREEN	Sets the scale color to green.
	MAGENTA	Sets the scale color to magenta.
	RED	Sets the scale color to red.
	BLUE	Sets the scale color to blue.
	?	Queries the scale color.

- VECTOR - GAIN LV 58SER01A (SDI INPUT)

Command	Parameter1	Description
VECTOR:GAIN:VAR	CAL	Sets the gain of the waveform to a constant value (×1).
	VAR	Sets the gain of the waveform to variable (×0.200 to ×2.000).
	?	Queries the gain setting of the waveform.
VECTOR:GAIN:VAL	0.200 to 2.000	Sets the variable gain value of the waveform.
	?	Queries the variable gain value of the waveform.
VECTOR:GAIN:MAG	X1	Sets the gain factor of the waveform to ×1.
	X5	Sets the gain factor of the waveform to ×5.
	IQ	Sets the gain factor so that the IQ signal is positioned at the circumference.
	?	Queries the gain factor of the waveform.

- VECTOR - LINE SELECT LV 58SER01A (SDI INPUT)

Command	Parameter1	Description
VECTOR:LINE_SELECT	ON	Enables the line select function.
	OFF	Disables the line select function.
	?	Queries the line select function.
VECTOR:LINE_FIELD	FIELD1	Sets the selection range of the line select to field 1.
	FIELD2	Sets the selection range of the line select to field 2.
	FRAME	Sets the selection range of the line select to frame.
	?	Queries the selection range of the line select.
VECTOR:LINE_NUMBER	Example) 1 to 1125 (Depending on the format)	Sets the line of the line select.
	?	Queries the selected line of the line select.

- VECTOR - COLOR SYSTEM LV 58SER01A (SDI INPUT)

Command	Parameter1	Description
VECTOR:MATRIX	COMPONENT	Sets the color matrix to component display.
	COMPOSITE	Sets the color matrix to pseudo-composite display.
	?	Queries the color matrix setting.
VECTOR:MATRIX:COMPOSITE: FORMAT	AUTO	Selects NTSC or PAL automatically when displaying the pseudo-composite.
	NTSC	Displays NTSC when displaying the pseudo-composite.
	PAL	Displays PAL when displaying the pseudo-composite.
	?	Queries the display format of the pseudo-composite display.
VECTOR:MATRIX:SETUP	0P	Sets the setup to exclude when displaying the pseudo-composite.
	7.5P	Sets the setup to 7.5% when displaying the pseudo-composite.
	?	Queries the setup value of the pseudo-composite display.
VECTOR:MATRIX:COLORBAR	100P	Sets the scale that maches the 100% color bar.
	75P	Sets the scale that maches the 75% color bar.
	?	Queries the scale setting.

- VECTOR - DISPLAY LV 58SER01A (SDI INPUT)

Command	Parameter1	Description
VECTOR:MODE	VECTOR	Sets the vector waveform display.
	5BAR	Sets the 5 BAR display.
	?	Queries the display mode.
VECTOR:5BAR:MATRIX	GBR	Sets the displayed order of the 5 BAR display to GBR.
	RGB	Sets the displayed order of the 5 BAR display to RGB.
	?	Queries the displayed order of the 5 BAR display.
VECTOR:5BAR:UNIT	MV	Sets the scale unit of the 5 BAR display to mV.
	PER	Sets the scale unit of the 5 BAR display to %.
	?	Queries the scale unit of the 5 BAR display.

- VECTOR - PERSISTENCE LV 58SER01A (SDI INPUT)

Command	Parameter1	Description
VECTOR:PERSISTENCE	ON	Sets the persistence characteristics to be applied.
	OFF	Sets the persistence characteristics not to be applied.
	INFINIT	Sets the overlaying of the waveforms.
	?	Queries the persistence display setting.
VECTOR:PERSIST_CLEAR	-	Clears the overlaying of the waveform.

- PICTURE LV 58SER01A (SDI INPUT)

Command	Parameter1	Description
PICTURE	-	Displays the pictures.

- PICTURE - ADJUST LV 58SER01A (SDI INPUT)

Command	Parameter1	Description
PICTURE:BRIGHT	-30 to 30	Adjusts the brightness of the picture display (%).
	?	Queries the brightness of the picture display.
PICTURE:CONTRAST	0.70 to 1.30	Adjusts the contrast of the picture display.
	?	Queries the contrast of the picture display.
PICTURE:GAIN:R	0.70 to 1.30	Adjusts the gain of the R signal.
	?	Queries the gain of the R signal.
PICTURE:GAIN:G	0.70 to 1.30	Adjusts the gain of the G signal.
	?	Queries the gain of the G signal.
PICTURE:GAIN:B	0.70 to 1.30	Adjusts the gain of the B signal.
	?	Queries the gain of the B signal.
PICTURE:BIAS:R	-0.30 to 0.30	Adjusts the bias of the R signal (×100%).
	?	Queries the bias of the R signal.
PICTURE:BIAS:G	-0.30 to 0.30	Adjusts the bias of the G signal (×100%).
	?	Queries the bias of the G signal.
PICTURE:BIAS:B	-0.30 to 0.30	Adjusts the bias of the B signal (×100%).
	?	Queries the bias of the B signal.

- PICTURE - MARKER LV 58SER01A (SDI INPUT)

Command	Parameter1	Description
PICTURE:MARKER:4_3	ON	Displays the 4:3 aspect marker.
	OFF	Does not display the 4:3 aspect marker.
	?	Queries the presence of displaying the 4:3 aspect marker.
PICTURE:MARKER:16_9	ON	Displays the 16:9 aspect marker.
	OFF	Does not display the 16:9 aspect marker.
	?	Queries the presence of displaying the 16:9 aspect marker.
PICTURE:MARKER:SAFE_ACTION	ON	Displays the safe action markers.
	OFF	Does not display the safe action markers.
	?	Queries the presence of displaying the safe action markers.
PICTURE:MARKER:SAFE_TITLE	ON	Displays the safe title markers.
	OFF	Does not display the safe title markers.
	?	Queries the presence of displaying the safe title markers.
PICTURE:MARKER:CENTER	ON	Displays the center marker.
	OFF	Does not display the center marker.
	?	Queries the presence of displaying the center marker.

- PICTURE - LINE SELECT LV 58SER01A (SDI INPUT)

Command	Parameter1	Description
PICTURE:LINE_SELECT	ON	Displays the line select marker.
	OFF	Does not display the line select marker.
	?	Queries the line select marker.
PICTURE:LINE_FIELD	FIELD1	Sets the selection range of the line select to field 1.
	FIELD2	Sets the selection range of the line select to field 2.
	FRAME	Sets the selection range of the line select to frame.
	?	Queries the selection range of the line select.

Command	Parameter1	Description
PICTURE:LINE_NUMBER	Example) 1 to 1125 (Depending on the format)	Sets the line of the line select.
	?	Queries the selected line of the line select.

- PICTURE - DISPLAY LV 58SER01A (SDI INPUT)

Command	Parameter1	Description
PICTURE:SIZE	FIT	Displays the picture size optimized.
	REAL	Displays each sample of the video signal as a pixel of the LCD.
	FULL_FRM	Displays a frame including the blanking period.
	?	Queries the picture size.
PICTURE:GAMUT_ERROR	ON	Displays the gamut errors.
	OFF	Does not display the gamut errors.
	?	Queries the presence of displaying the gamut errors.
PICTURE:GAMUT_PATTERN	WHITE	Sets the color of gamut error to white.
	RED	Sets the color of gamut error to red.
	MESH	Sets the color of gamut error to mesh pattern.
	?	Queries the color of gamut error.
PICTURE:AFD	ON	Displays AFD codes.
	OFF	Does not display AFD codes.
	?	Queries whether AFD codes are displayed or not.

- PICTURE - SUPER IMPOSE LV 58SER01A (SDI INPUT)

Command	Parameter1	Description
PICTURE:S_IMPOSE:STD	OFF	Does not display the closed caption data.
	SMPTE	Displays the SMPTE closed caption data.
	ARIB	Displays the ARIB closed caption.
	?	Queries the displayed CC type.
PICTURE:S_IMPOSE:FMT_SMPTE	FMT_608_708	Displays the 608(708) closed caption data.
	FMT_608_608	Displays the 608(608) closed caption data.
	FMT_VBI	Displays the VBI closed caption data.
	FMT_708	Displays the 708(708) closed caption data.
	?	Queries the displayed CC format.
PICTURE:S_IMPOSE:DISP_608	CC1	Displays the CC1 other than 708(708).
	CC2	Displays the CC2 other than 708(708).
	CC3	Displays the CC3 other than 708(708).
	CC4	Displays the CC4 other than 708(708).
	TEXT1	Displays the TEXT1 other than 708(708).
	TEXT2	Displays the TEXT2 other than 708(708).
	TEXT3	Displays the TEXT3 other than 708(708).
	TEXT4	Displays the TEXT4 other than 708(708).
	?	Queries the displayed closed caption type other than 708(708).
PICTURE:S_IMPOSE:DISP_708	1 to 63	Sets the service number of 708(708).
	?	Queries the service number of 708(708).
PICTURE:S_IMPOSE:FMT_ARIB	HD	Displays the ARIB HD closed caption.
	SD	Displays the ARIB SD closed caption.
	ANALOG	Displays the ARIB analog closed caption.
	CELLULAR	Displays the ARIB cellular closed caption.
PICTURE:S_IMPOSE:DISP_ARIB	1	Displays the first language of the ARIB closed caption.
	2	Displays the second language of the ARIB closed caption.

- STATUS LV 58SER01A (SDI INPUT)

Command	Parameter1	Description
STATUS	-	Sets the status display.

- STATUS - EVENT LOG LV 58SER01A (SDI INPUT)

Command	Parameter1	Description
STATUS:LOG	-	Displays the error log screen.
STATUS:LOG:LOG	START	Start the error log.
	STOP	Stop the error log.
	?	Queries the status of error log.
STATUS:LOG:CLEAR	-	Clear the error log.
STATUS:LOG:MODE	OVER_WR	Overwrites the error log when 5000 items are exceeded.
	STOP	Does not record the log when 5000 items are exceeded.
	?	Queries the operation that is taken when 5000 items are exceeded.
MAKE	LOG	Creates the error logs in the LV 5800(A) as a text file.

- STATUS - SDI ANALYSIS LV 58SER01A (SDI INPUT)

Command	Parameter1	Description
STATUS:DUMP	-	Displays the data dump screen.
STATUS:DUMP:MODE	RUN	Automatically update the data dump.
	HOLD	Holds the data dump displaying.
	FRM_CAP	Displays the data dump of the frame captured.
	?	Queries the display mode of the data dump.
STATUS:DUMP:DISPLAY	SERIAL	Displays the data dump as a serial data array during single link.
	COMPONENT	In the single link display, displays the data dump that has been separated into Y, CB, and CR.
	BINARY	Displays the data dump as a binary notation during single link.
	?	Queries the data dump display format during single link.
STATUS:DUMP:DISPLAY_DUAL	A	Displays the link A as a serial data array during dual link.
	B	Displays the link B as a serial data array during dual link.
	A/B	Displays the parallel data array by combining link A and B during dual link.
	?	Queries the data dump display format during dual link.
STATUS:DUMP:EAV	-	Displays the data dump from EAV.
STATUS:DUMP:SAV	-	Displays the data dump from SAV.
STATUS:DUMP:LINE_NUMBER	Example) 1 to 1125 (Depending on the format)	Sets the line number of the data dump display.
MAKE	DUMP	Creates the data dump in the LV 5800(A) as a text file.
STATUS:DUMP:SAMPLE	Example) 0 to 2199 (Depending on the format)	Sets the sample number of the head of the data dump display.

- STATUS - COUNTER LV 58SER01A (SDI INPUT)

Command	Parameter1	Description
STATUS:COUNTER	SEC	The error count is updated in unit of seconds, and it displays as number of times.
	FIELD	The error count is updated in unit of fields, and it displays as number of times.
	PER_FIELD	The error count is updated in unit of fields, and it displays as a percentage.
	?	Queries the updating unit and displaying unit of the error count.

- STATUS - ERROR CLEAR LV 58SER01A (SDI INPUT)

Command	Parameter1	Description
STATUS:RESET	-	Clears the error count.

2.4.3 LV 58SER02 Commands (EYE PATTERN unit)

- UNIT SETUP LV 58SER02 (EYE PATTERN unit)

Command	Parameter1	Parameter2	Description
SYS:UNIT:ERROR:HD_AMP	1,2,3,4 (*1)	ON	Enables the amplitude error detection for HD.
		OFF	Disables the amplitude error detection for HD.
		?	Queries the presence of the amplitude error detection for HD.
SYS:UNIT:ERROR:HD_AMP:UPPER	1,2,3,4	80 to 140	Sets the upper limit (%) of the amplitude error for HD.
		?	Queries the upper limit of the amplitude error for HD.
SYS:UNIT:ERROR:HD_AMP:LOWER	1,2,3,4	40 to 100	Sets the lower limit (%) of the amplitude error for HD.
		?	Queries the lower limit of the amplitude error for HD.
SYS:UNIT:ERROR:HD_RISE	1,2,3,4	ON	Enables the error detection of the rise time for HD.
		OFF	Disables the error detection of the rise time for HD.
		?	Queries the presence of the error detection of the rise time for HD.
SYS:UNIT:ERROR:HD_RISE:MAX	1,2,3,4	40 to 140	Sets the upper limit (%) of the rise time for HD.
		?	Queries the upper limit of the rise time for HD.
SYS:UNIT:ERROR:HD_FALL	1,2,3,4	ON	Enables the error detection of the fall time for HD.
		OFF	Disables the error detection of the fall time for HD.
		?	Queries the presence of the error detection of the fall time for HD.
SYS:UNIT:ERROR:HD_FALL:MAX	1,2,3,4	40 to 140	Sets the upper limit (%) of the fall time for HD.
		?	Queries the upper limit of the fall time for HD.
SYS:UNIT:ERROR:HD_DELTA	1,2,3,4	ON	Detects the error related to the difference between the rise time (Tr) and fall time (Tf) for HD.
		OFF	Does not detect the error (Tr-Tf) for HD.
		?	Queries the presence of the error (Tr-Tf) detection for HD.
SYS:UNIT:ERROR:HD_DELTA:MAX	1,2,3,4	40 to 140	Sets the upper limit (%) of the error (Tr-Tf) for HD.
		?	Queries the upper limit of the error (Tr-Tf) for HD.
SYS:UNIT:ERROR:HD_TIMING_JIT	1,2,3,4	ON	Detects the error of timing jitter value for HD.
		OFF	Does not detect the error of timing jitter value for HD.
		?	Queries the presence of error detection of timing jitter value for HD.

*1 Enter the unit number in which LV 58SER02 is installed.

Command	Parameter1	Parameter2	Description
SYS:UNIT:ERROR:HD_TIMING_JIT:MAX	1,2,3,4	10 to 200	Sets the upper limit (%) of the timing jitter for HD.
		?	Queries the upper limit of the timing jitter for HD.
SYS:UNIT:ERROR:HD_CURRENT_JIT	1,2,3,4	ON	Detects the error of current jitter value for HD.
		OFF	Does not detect the error of current jitter value for HD.
		?	Queries the presence of error detection of current jitter value for HD.
SYS:UNIT:ERROR:HD_CURRENT_JIT:MAX	1,2,3,4	10 to 200	Sets the upper limit (%) of the current jitter for HD.
		?	Queries the upper limit of the current jitter for HD.
SYS:UNIT:ERROR:SD_AMP	1,2,3,4	ON	Enables the amplitude error detection for SD.
		OFF	Disables the amplitude error detection for SD.
		?	Queries the presence of the amplitude error detection for SD.
SYS:UNIT:ERROR:SD_AMP:UPPER	1,2,3,4	80 to 140	Sets the upper limit (%) of the amplitude error for SD.
		?	Queries the upper limit of the amplitude error for SD.
SYS:UNIT:ERROR:SD_AMP:LOWER	1,2,3,4	40 to 100	Sets the lower limit (%) of the amplitude error for SD.
		?	Queries the lower limit of the amplitude error for SD.
SYS:UNIT:ERROR:SD_RISE	1,2,3,4	ON	Enables the error detection of the rise time for SD.
		OFF	Disables the error detection of the rise time for SD.
		?	Queries the presence of the error detection of the rise time for SD.
SYS:UNIT:ERROR:SD_RISE:MAX	1,2,3,4	40 to 140	Sets the upper limit (%) of the rise time for SD.
		?	Queries the upper limit of the rise time for SD.
SYS:UNIT:ERROR:SD_FALL	1,2,3,4	ON	Enables the error detection of the fall time for SD.
		OFF	Disables the error detection of the fall time for SD.
		?	Queries the presence of the error detection of the fall time for SD.
SYS:UNIT:ERROR:SD_FALL:MAX	1,2,3,4	40 to 140	Sets the upper limit (%) of the fall time for SD.
		?	Queries the upper limit of the fall time for SD.

Command	Parameter1	Parameter2	Description
SYS:UNIT:ERROR:SD_DELTA	1,2,3,4	ON	Detects the error related to the difference between the rise time (Tr) and fall time (Tf) for SD.
		OFF	Does not detect the error (Tr-Tf) for SD.
		?	Queries the presence of the error (Tr-Tf) detection for SD.
SYS:UNIT:ERROR:SD_DELTA:MAX	1,2,3,4	40 to 140	Sets the upper limit (%) of the error (Tr-Tf) for SD.
		?	Queries the upper limit of the error (Tr-Tf) for SD.
SYS:UNIT:ERROR:SD_TIMING_JIT	1,2,3,4	ON	Detects the error of timing jitter value for SD.
		OFF	Does not detect the error of timing jitter value for SD.
		?	Queries the presence of error detection of timing jitter value for SD.
SYS:UNIT:ERROR:SD_TIMING_JIT:MAX	1,2,3,4	10 to 200	Sets the upper limit (%) of the timing jitter for SD.
		?	Queries the upper limit of the timing jitter for SD.
SYS:UNIT:ERROR:SD_CURRENT_JIT	1,2,3,4	ON	Detects the error of current jitter value for SD.
		OFF	Does not detect the error of current jitter value for SD.
		?	Queries the presence of error detection of current jitter value for SD.
SYS:UNIT:ERROR:SD_CURRENT_JIT:MAX	1,2,3,4	10 to 200	Sets the upper limit (%) of the current jitter for SD.
		?	Queries the upper limit of the current jitter for SD.

- EYE — LV 58SER02 (EYE PATTERN unit)

Command	Parameter1	Description
EYE	-	Sets the eye pattern display.

- EYE - EYE INTEN — LV 58SER02 (EYE PATTERN unit)

Command	Parameter1	Description
EYE:INTEN:EYE	-128 to 127	Sets the intensity of an eye pattern display.
	?	Queries the intensity of an eye pattern display.
EYE:INTEN:SCALE	-8 to 7	Sets the intensity of the scale.
	?	Queries the intensity of the scale.

- EYE - MODE — LV 58SER02 (EYE PATTERN unit)

Command	Parameter1	Description
EYE:MODE	EYE	Displays the eye pattern waveform.
	JITTER	Displays the jitter waveform.
	?	Queries the waveform mode to be displayed.

- EYE - EYE SETUP LV 58SER02 (EYE PATTERN unit)

Command	Parameter1	Description
EYE:AUTO_MEASURE	ON	Automatically measures the eye pattern.
	OFF	Does not automatically measure the eye pattern.
	?	Queries the status of automatic measurement of eye pattern.
EYE:GAIN:VAR	CAL	Sets the gain of the eye pattern waveform to a constant value (×1).
	VAR	Sets the gain mode of the eye pattern waveform to variable (×0.50 to ×2.00).
	?	Queries the gain setting of the eye pattern waveform.
EYE:GAIN:VAL	0.50 to 2.00	Sets the variable gain value of the eye pattern waveform.
	?	Queries the variable gain value of the eye pattern waveform.
EYE:SWEEP:SWEEP	2UI	Sets the display periods of the eye pattern to 2UI.
	4UI	Sets the display periods of the eye pattern to 4UI.
	16UI	Sets the display periods of the eye pattern to 16UI.
	?	Queries the display periods of the eye pattern.
EYE:FILTER	100KHZ	Sets the bandwidth of the jitter measurement greater than or equal to 100kHz when displaying the eye pattern.
	1KHZ	Sets the bandwidth of the jitter measurement greater than or equal to 1kHz when displaying the eye pattern.
	100HZ	Sets the bandwidth of the jitter measurement greater than or equal to 100Hz when displaying the eye pattern.
	10HZ	Sets the bandwidth of the jitter measurement greater than or equal to 10Hz when displaying the eye pattern.
	TIMING	Sets the bandwidth of the jitter measurement greater than or equal to 10Hz (timing jitter) when displaying the eye pattern.
	ALIGNMENT	When displaying eye pattern waveform, bandwidth of the jitter measurement is set to 100kHz or more for HD-SDI or to 1kHz or more (alignment jitter) for SD-SDI.
	?	Queries the filter bandwidth of the jitter when displaying eye pattern waveform.

- EYE - JITTER SETUP LV 58SER02 (EYE PATTERN unit)

Command	Parameter1	Description
EYE:JITTER:PEAK_HOLD	ON	Holds the peak value of the jitter waveform.
	OFF	Does not hold the peak value of the jitter waveform.
	?	Queries the hold status of the peak value of the jitter waveform.
EYE:JITTER:PEAK_CLEAR	-	Clears the peak value of the jitter waveform.
EYE:JITTER:GAIN	X1	Sets the gain of the jitter waveform to ×1.
	X2	Sets the gain of the jitter waveform to ×2.
	X8	Sets the gain of the jitter waveform to ×8.
	?	Queries the gain setting of the jitter waveform.
EYE:JITTER:SWEEP	1H	Displays the jitter waveform for 1 video line.
	2H	Displays the jitter waveform for 2 video lines.
	1V	Displays the jitter waveform for 1 video field.
	2V	Displays the jitter waveform for 2 video fields.
	?	Queries the display period of the jitter waveform.
EYE:JITTER:FILTER	100KHZ	Sets the bandwidth of the jitter measurement greater than or equal to 100kHz when displaying the jitter waveform.
	1KHZ	Sets the bandwidth of the jitter measurement greater than or equal to 1kHz when displaying the jitter waveform.
	100HZ	Sets the bandwidth of the jitter measurement greater than or equal to 100Hz when displaying the jitter waveform.
	10HZ	Sets the bandwidth of the jitter measurement greater than or equal to 10Hz when displaying the jitter waveform.
	TIMING	Sets the bandwidth of the jitter measurement greater than or equal to 10Hz (timing jitter) when displaying the jitter waveform.
	ALIGNMENT	When displaying the jitter waveform, bandwidth of the jitter measurement is set to 100kHz or more for HD-SDI or to 1kHz or more (alignment jitter) for SD-SDI.
	?	Queries the filter bandwidth of the jitter when displaying jitter waveform.

2.4.4 LV 58SER03 Commands (COMPOSITE VIDEO INPUT)

- WFM — LV 58SER03 (COMPOSITE VIDEO INPUT)

Command	Parameter1	Description
WFM	-	Displays the video signal waveform.

- WFM - INTEN/SCALE — LV 58SER03 (COMPOSITE VIDEO INPUT)

Command	Parameter1	Description
WFM:INTEN:WFM	-128 to 127	Adjusts the intensity of the video waveforms.
	?	Queries the intensity of the video waveforms.
WFM:COLOR	WHITE	Sets the waveform display color to white.
	GREEN	Sets the waveform display color to green.
	?	Queries the waveform display color.
WFM:INTEN:SCALE	-8 to 7	Adjusts the intensity of the scale.
	?	Queries the intensity of the scale.
WFM:SCALE:COLOR	WHITE	Sets the scale color to white.
	YELLOW	Sets the scale color to yellow.
	CYAN	Sets the scale color to cyan.
	GREEN	Sets the scale color to green.
	MAGENTA	Sets the scale color to magenta.
	RED	Sets the scale color to red.
	BLUE	Sets the scale color to blue.
	?	Queries the scale color.

- WFM - GAIN/FLT SWEEP — LV 58SER03 (COMPOSITE VIDEO INPUT)

Command	Parameter1	Description
WFM:GAIN:VAR	CAL	Sets the gain mode of the waveform to a constant (x1).
	VAR	Sets the gain mode of the waveform to variable (×0.200 to ×2.000).
	?	Queries the gain mode setting.
WFM:GAIN:VAL	0.200 to 2.000	Sets the variable gain value of the waveform.
	?	Queries the variable gain value of the waveform.
WFM:GAIN:MAG	X1	Sets the magnification of the waveform to x1.
	X5	Sets the magnification of the waveform to x5.
	?	Queries the magnification of the waveform.
WFM:FILTER:NORMAL	FLAT	Sets the filter to Flat.
	LOWPASS	Sets the filter to LPF.
	?	Queries the filter setting.
WFM:SWEEP:SWEEP	H	Sets the sweep mode to the line display.
	V	Sets the sweep mode to the field display.
	?	Queries the sweep mode setting.
WFM:SWEEP:H_SWEEP	1H	Sets 1 line display.
	2H	Sets 2 line display.
	?	Queries the line display setting.
WFM:SWEEP:V_SWEEP	1V	Sets 1 field display.
	2V	Sets 1 frame display.
	?	Queries the field or frame display setting
WFM:SWEEP:H_MAG	X1	In case of line display, set the sweep magnification so that the waveform fits on the screen.
	X10	In case of line display, set the sweep magnification to x10 with respect to x1.
	X20	In case of line display, set the sweep magnification to x20 with respect to x1.
	?	Queries the sweep magnification mode in case of line display.

Command	Parameter1	Description
WFM:SWEEP:V_MAG	X1	In case of field display, set the sweep magnification so that the waveform fits on the screen.
	X20	In case of field display, set the sweep magnification to x20 with respect to X1.
	X40	In case of field display, set the sweep magnification to x40 with respect to X1.
	?	Queries the sweep magnification mode in case of field display.

- WFM - LINE SELECT LV 58SER03 (COMPOSITE VIDEO INPUT)

Command	Parameter1	Description
WFM:LINE_SELECT	ON	Enables the line select function.
	OFF	Disables the line select function.
	?	Queries the line select function.
WFM:LINE_FIELD	FIELD1	Sets the selection range of the line select to field 1.
	FIELD2	Sets the selection range of the line select to field 2.
	FRAME	Sets the selection range of the line select to frame.
	?	Queries the selection range of the line select.
WFM:LINE_NUMBER	Example) 1 to 525 (Depending on the format)	Sets the line of the line select.
	?	Queries the selected line of the line select.

- WFM - ARRANGE LV 58SER03 (COMPOSITE VIDEO INPUT)

Command	Parameter1	Description
WFM:PERSISTENCE	ON	Sets the persistence display to enabe.
	OFF	Sets the persistence display to disable.
	INFINIT	Overlays the waveform.
	?	Queries the persistence display setting.
WFM:PERSIST_CLEAR	-	Clears the overlaid waveforms.
WFM:SPECIAL_FORM	NORMAL	Sets the SPECIAL FORM display to disable.
	4_PARADE	Sets the SPECIAL FORM display to TIMING.
	?	Sets the SPECIAL FORM display to 4Y PARADE.

- VECTOR LV 58SER03 (COMPOSITE VIDEO INPUT)

Command	Parameter1	Description
VECTOR	-	Displays vector waveforms.
VECTOR:PHASE	0.0 to 359.9	Sets the phase (degree) of the vector waveform.
	?	Queries the phase of the vector waveform.

- VECTOR - INTEN/SCALE LV 58SER03 (COMPOSITE VIDEO INPUT)

Command	Parameter1	Description
VECTOR:INTEN:VECTOR	-128 to 127	Sets the intensity of the vector waveform.
	?	Queries the intensity of the vector waveform.
VECTOR:COLOR	WHITE	Sets the waveform display color to white.
	GREEN	Sets the waveform display color to green.
	?	Queries the waveform display color.
VECTOR:INTEN:SCALE	-8 to 7	Sets the intensity of the scale.
	?	Queries the intensity of the scale.
VECTOR:SCALE:IQ	ON	Displays the IQ axis.
	OFF	Does not display the IQ axis.
	?	Queries the presence of displaying the IQ axis.
VECTOR:SCALE:COLOR	WHITE	Sets the scale color to white.
	YELLOW	Sets the scale color to yellow.
	CYAN	Sets the scale color to cyan.
	GREEN	Sets the scale color to green.
	MAGENTA	Sets the scale color to magenta.
	RED	Sets the scale color to red.
	BLUE	Sets the scale color to blue.
	?	Queries the scale color.

- VECTOR - GAIN LV 58SER03 (COMPOSITE VIDEO INPUT)

Command	Parameter1	Description
VECTOR:GAIN:VAR	CAL	Sets the gain of the waveform to a constant value (×1).
	VAR	Sets the gain of the waveform to variable (×0.200 to ×2.000).
	?	Queries the gain setting of the waveform.
VECTOR:GAIN:VAL	0.200 to 2.000	Sets the variable gain value of the waveform.
	?	Queries the variable gain value of the waveform.
VECTOR:GAIN:MAG	X1	Sets the gain factor of the waveform to ×1.
	X5	Sets the gain factor of the waveform to ×5.
	IQ	Sets the gain factor so that the IQ signal is positioned at the circumference.
	?	Queries the gain factor of the waveform.

- VECTOR - LINE SELECT LV 58SER03 (COMPOSITE VIDEO INPUT)

Command	Parameter1	Description
VECTOR:LINE_SELECT	ON	Enables the line select function.
	OFF	Disables the line select function.
	?	Queries the line select function.
VECTOR:LINE_FIELD	FIELD1	Sets the selection of the line select range to field 1.
	FIELD2	Sets the selection of the line select range to field 2.
	FRAME	Sets the selection of the line select range to frame.
	?	Queries the selection range of the Line Select.
VECTOR:LINE_NUMBER	Example) 1 to 525 (Depending on the format)	Sets the line of the Line Select.
	?	Queries the selected line of the Line Select.

- VECTOR - COLOR SYSTEM LV 58SER03 (COMPOSITE VIDEO INPUT)

Command	Parameter1	Description
VECTOR:MATRIX:SETUP	0P	Sets the setup to exclude.
	7.5P	Sets the setup to 7.5%.
	?	Queries the setup value.
VECTOR:MATRIX:COLORBAR	100P	Sets the scale that maches the 100% color bar.
	75P	Sets the scale that maches the 75% color bar.
	?	Queries the scale setting.
VECTOR:NTSC_DISPLAY	ON	Displays NTSC when input signal is PAL.
	OFF	Does not display NTSC when input signal is PAL.
	?	Queries NTSC display mode when input signal is PAL.

- VECTOR - FD VAR LV 58SER03 (COMPOSITE VIDEO INPUT)

Command	Parameter1	Description
VECTOR:FD:MODE	PHASE	Sets the operation of function dial to the phase adjustment.
	LINE_SELECT	Sets the operation of function dial to the Line Select.
	?	Queries the operation of function dial.

- VECTOR - PERSISTENCE LV 58SER03 (COMPOSITE VIDEO INPUT)

Command	Parameter1	Description
VECTOR:PERSISTENCE	ON	Sets the persistence display to enabe.
	OFF	Sets the persistence display to disable.
	INFINIT	Overlays the waveform.
	?	Queries the persistence display setting.
VECTOR:PERSIST_CLEAR	-	Clears the overlaid waveforms.

- VECTOR - SCH LV 58SER03 (COMPOSITE VIDEO INPUT)

Command	Parameter1	Description
VECTOR:SCH	ON	Enables the SCH measurement.
	OFF	Disables the SCH measurement.
	?	Queries the presence of SCH measurement.

- PICTURE LV 58SER03 (COMPOSITE VIDEO INPUT)

Command	Parameter1	Description
PICTURE	-	Displays the pictures.

- PICTURE - ADJUST LV 58SER03 (COMPOSITE VIDEO INPUT)

Command	Parameter1	Description
PICTURE:BRIGHT	-30 to 30	Adjusts the brightness of the picture display (%).
	?	Queries the brightness of the picture display.
PICTURE:CONTRAST	0.70 to 1.30	Adjusts the contrast of the picture display.
	?	Queries the contrast of the picture display.
PICTURE:GAIN:R	0.70 to 1.30	Adjusts the gain of the R signal.
	?	Queries the gain of the R signal.
PICTURE:GAIN:G	0.70 to 1.30	Adjusts the gain of the G signal.
	?	Queries the gain of the G signal.
PICTURE:GAIN:B	0.70 to 1.30	Adjusts the gain of the B signal.
	?	Queries the gain of the B signal.

Command	Parameter1	Description
PICTURE:BIAS:R	-0.30 to 0.30	Adjusts the bias of the R signal (×100%).
	?	Queries the bias of the R signal.
PICTURE:BIAS:G	-0.30 to 0.30	Adjusts the bias of the G signal (×100%).
	?	Queries the bias of the G signal.
PICTURE:BIAS:B	-0.30 to 0.30	Adjusts the bias of the B signal (×100%).
	?	Queries the bias of the B signal.

- PICTURE - MARKER LV 58SER03 (COMPOSITE VIDEO INPUT)

Command	Parameter1	Description
PICTURE:MARKER:16_9	ON	Displays the 16:9 aspect marker.
	OFF	Does not display the 16:9 aspect marker.
	?	Queries the presence of displaying the 16:9 aspect marker.
PICTURE:MARKER:SAFE_ACTION	ON	Displays the safe action markers.
	OFF	Does not display the safe action markers.
	?	Queries the presence of displaying the safe action markers.
PICTURE:MARKER:SAFE_TITLE	ON	Displays the safe title markers.
	OFF	Does not display the safe title markers.
	?	Queries the presence of displaying the safe title markers.
PICTURE:MARKER:CENTER	ON	Displays the center marker.
	OFF	Does not display the center marker.
	?	Queries the presence of displaying the center marker.

- PICTURE - LINE SELECT LV 58SER03 (COMPOSITE VIDEO INPUT)

Command	Parameter1	Description
PICTURE:LINE_SELECT	ON	Enables the line select function.
	OFF	Disables the line select function.
	?	Queries the line select function.
PICTURE:LINE_FIELD	FIELD1	Sets the selection range of the line select to field 1.
	FIELD2	Sets the selection range of the line select to field 2.
	FRAME	Sets the selection range of the line select to frame.
	?	Queries the selection range of the line select.
PICTURE:LINE_NUMBER	Example) 1 to 525 (Depending on the format)	Sets the line of the line select.
	?	Queries the selected line of the line select.

- PICTURE - DISPLAY LV 58SER03 (COMPOSITE VIDEO INPUT)

Command	Parameter1	Description
PICTURE:SIZE	FIT	Displays the picture size optimized.
	REAL	Displays each sample of the video signal as a pixel of the LCD.
	FULL_FRM	Displays a frame including the blanking period.
	?	Queries the picture size.

- STATUS LV 58SER03 (COMPOSITE VIDEO INPUT)

Command	Parameter1	Description
STATUS	-	Sets the status display.

2.4.5 LV 58SER04 Commands (MPEG DECODER)

- UNIT SETUP LV 58SER04 (MPEG DECODER)

Command	Parameter1	Parameter2	Description
SYS:UNIT:SEMI_AUTO	1,2,3,4 (*1)	ON	Sets the selection method of DECODE PID to an automatic setting.
		OFF	Sets the selection method of DECODE PID to a manual setting.
		?	Queries the selection method of DECODE PID.
SYS:UNIT:ERROR:SYNC_BYTE	1,2,3,4	ON	Detects the Sync Byte error.
		OFF	Does not detect the Sync Byte error.
		?	Queries the presence of detecting the Sync Byte error.
SYS:UNIT:ERROR:CONTINUITY	1,2,3,4	ON	Detects the Continuity error.
		OFF	Does not detect the Continuity error.
		?	Queries the presence of detecting the Continuity error.
SYS:UNIT:ERROR:PAT	1,2,3,4	ON	Detects the PAT error.
		OFF	Does not detect the PAT error.
		?	Queries the presence of detecting the PAT error.
SYS:UNIT:ERROR:PAT:CYCLE	1,2,3,4	100 to 800	Sets the interval (msec) becoming the PAT error.
		?	Queries the interval becoming the PAT error.
SYS:UNIT:ERROR:PMT	1,2,3,4	ON	Detects the PMT error.
		OFF	Does not detect the PMT error.
		?	Queries the presence of detecting the PMT error.
SYS:UNIT:ERROR:PMT:CYCLE	1,2,3,4	100 to 800	Sets the interval (msec) becoming the PMT error.
		?	Queries the interval becoming the PMT error.
SYS:UNIT:ERROR:PID	1,2,3,4	ON	Detects the PID error.
		OFF	Does not detect the PID error.
		?	Queries the presence of detecting the PID error.
SYS:UNIT:ERROR:PID:CYCLE	1,2,3,4	1 to 20	Sets the reception number of times of PMT becoming the PID error (section).
		?	Queries the reception number of times of PMT becoming the PID error
SYS:UNIT:ERROR:TRANSPORT	1,2,3,4	ON	Detects the Transport error.
		OFF	Does not detect the Transport error.
		?	Queries the presence of detecting the Transport error.
SYS:UNIT:ERROR:CRC_MPEG	1,2,3,4	ON	Detects the CRC error.
		OFF	Does not detect the CRC error.
		?	Queries the presence of detecting the CRC error.

*1 Enter the unit number in which LV 58SER04 is installed.

Command	Parameter1	Parameter2	Description
SYS:UNIT:ERROR:PCR	1,2,3,4	ON	Detects the PCR error.
		OFF	Does not detect the PCR error.
		?	Queries the presence of detecting the PCR error.
SYS:UNIT:ERROR:PCR:CYCLE	1,2,3,4	10 to 200	Sets the interval (msec) becoming the PCR error.
		?	Queries the interval becoming the PCR error.
SYS:UNIT:ERROR:PCR:ACCURACY	1,2,3,4	ON	Detects the PCR Accuracy error.
		OFF	Does not detect the PCR Accuracy error.
		?	Queries the presence of detecting the PCR Accuracy error.
SYS:UNIT:ERROR:PTS	1,2,3,4	ON	Detects the PTS error.
		OFF	Does not detect the PTS error.
		?	Queries the presence of detecting the PTS error.
SYS:UNIT:ERROR:PTS:CYCLE	1,2,3,4	100 to 800	Sets the interval (msec) becoming the PTS error.
		?	Queries the interval becoming the PTS error.
SYS:UNIT:ERROR:CAT	1,2,3,4	ON	Detects the CAT error.
		OFF	Does not detect the CAT error.
		?	Queries the presence of detecting the CAT error.
SYS:UNIT:ERROR:CAT:CYCLE	1,2,3,4	0.1 to 20.0	Sets the interval (sec) becoming the CAT error.
		?	Queries the interval becoming the CAT error.

- WFM LV 58SER04 (MPEG DECODER)

Command	Parameter1	Description
WFM	-	Displays the video signal waveform.
WFM:CH1	ON	Displays CH1.
	OFF	Does not display CH1.
	?	Queries the presence of CH1 display.
WFM:CH2	ON	Displays CH2.
	OFF	Does not display CH2.
	?	Queries the presence of CH2 display.
WFM:CH3	ON	Displays CH3.
	OFF	Does not display CH3.
	?	Queries the presence of CH3 display.
WFM:OVLAY	ON	Sets overlay display.
	OFF	Sets parade display.
	?	Queries the display mode.

- WFM - INTEN/SCALE LV 58SER04 (MPEG DECODER)

Command	Parameter1	Description
WFM:INTEN:WFM	-128 to 127	Adjusts the intensity of the video waveforms.
	?	Queries the intensity of the video waveforms.
WFM:COLOR	WHITE	Sets the waveform display color to white.
	GREEN	Sets the waveform display color to green.
	MULTI	Sets the waveform display color as follows: Y: Yellow, Cb: Cyan, Cr: Magenta, G: Green, B: Blue, and R: Red.
	?	Queries the waveform display color.
WFM:INTEN:SCALE	-8 to 7	Adjusts the intensity of the scale.
	?	Queries the intensity of the scale.
WFM:SCALE:UNIT	HDV_SDP	Sets the scale unit to V for HD and % for SD.
	HDV_SDV	Sets the scale unit to V.
	HDP_SDP	Sets the scale unit to %.
	?	Queries the scale unit.
WFM:SCALE:COLOR75P	ON	Displays the 75% scale.
	OFF	Does not display the 75% scale.
	?	Queries the presence of the 75% scale display.
WFM:SCALE:COLOR	WHITE	Sets the scale color to white.
	YELLOW	Sets the scale color to yellow.
	CYAN	Sets the scale color to cyan.
	GREEN	Sets the scale color to green.
	MAGENTA	Sets the scale color to magenta.
	RED	Sets the scale color to red.
	BLUE	Sets the scale color to blue.
	?	Queries the scale color.

- WFM - GAIN/SWEEP LV 58SER04 (MPEG DECODER)

Command	Parameter1	Description
WFM:GAIN:VAR	CAL	Sets the gain mode of the waveform to a constant (x1).
	VAR	Sets the gain mode of the waveform to variable (×0.200 to ×2.000).
	?	Queries the gain mode setting.
WFM:GAIN:VAL	0.200 to 2.000	Sets the variable gain value of the waveform.
	?	Queries the variable gain value of the waveform.
WFM:GAIN:MAG	X1	Sets the magnification of the waveform to x1.
	X5	Sets the magnification of the waveform to x5.
	?	Queries the magnification of the waveform.
WFM:SWEEP:SWEEP	H	Sets the sweep mode to the line display.
	V	Sets the sweep mode to the field or frame display.
	?	Queries the sweep mode setting.
WFM:SWEEP:H_SWEEP	1H	Sets 1 line display.
	2H	Sets 2 line display.
	?	Queries the line display setting.
WFM:SWEEP:V_SWEEP	1V	Sets 1 frame display if the input signal is progressive. Sets 1 field display if the input signal is interlace or segmented frame.
	2V	Sets 1 frame display.
	?	Queries the field or frame display setting.

Command	Parameter1	Description
WFM:SWEEP:H_MAG	X1	In case of line display, set the sweep magnification so that the waveform fits on the screen.
	X10	In case of line display, set the sweep magnification to x10 with respect to x1.
	ACTIVE	In case of line display, magnifies and displays the waveform in the active interval.
	X20	In case of line display, set the sweep magnification to x20 with respect to x1.
	?	Queries the sweep magnification mode in case of line display.
WFM:SWEEP:V_MAG	X1	In case of field (frame) display, set the sweep magnification so that the waveform fits on the screen.
	X20	In case of field (frame) display, set the sweep magnification to x20 with respect to X1.
	X40	In case of field (frame) display, set the sweep magnification to x40 with respect to X1.
	?	Queries the sweep magnification mode in case of field (frame) display.
WFM:SWEEP:FIELD	FIELD1	Displays the waveform of field 1.
	FIELD2	Displays the waveform of field 2.
	?	Queries the selected field.

- WFM - LINE SELECT LV 58SER04 (MPEG DECODER)

Command	Parameter1	Description
WFM:LINE_SELECT	ON	Enables the line select function.
	OFF	Disables the line select function.
	?	Queries the line select function.
WFM:LINE_FIELD	FIELD1	Sets the selection range of the line select to field 1.
	FIELD2	Sets the selection range of the line select to field 2.
	FRAME	Sets the selection range of the line select to frame.
	?	Queries the selection range of the line select.
WFM:LINE_NUMBER	Example) 1 to 1125 (Depending on the format)	Sets the line of the line select.
	?	Queries the selected line of the line select.

- WFM - ARRANGE LV 58SER04 (MPEG DECODER)

Command	Parameter1	Description
WFM:FILTER:NORMAL	FLAT	Sets the filter to Flat for the component display.
	LOWPASS	Sets the filter to LPF for the component display.
	?	Queries the filter setting for the component display.
WFM:FILTER:COMPOSITE	FLAT	Sets the filter to Flat and to parade display of the luminance signal when displaying the pseudo-composite.
	FLAT_LUM	Sets the filter to luminance signal and to parade display of the color signal when displaying the pseudo-composite.
	FLAT_CHROMA	Queries the filter setting when displaying the pseudo-composite.
	?	Queries the filter setting when displaying the pseudo-composite.
WFM:PERSISTENCE	ON	Sets the persistence display to enabe.
	OFF	Sets the persistence display to disable.
	INFINIT	Overlays the waveform.
	?	Queries the persistence display setting.
WFM:PERSIST_CLEAR	-	Clears the overlaid waveforms.

- WFM - COLOR SYSTEM LV 58SER04 (MPEG DECODER)

Command	Parameter1	Description
WFM:MATRIX	YCBCR	Sets the color matrix to YCbCr display.
	GBR	Sets the color matrix to GBR display.
	RGB	Sets the color matrix to RGB display.
	COMPOSITE	Sets the color matrix to pseudo-composite display.
	?	Queries the color matrix setting.
WFM:MATRIX:YGBR	ON	Displays the luminance signal when displaying RGB.
	OFF	Does not display the luminance signal when displaying RGB.
	?	Queries the presence of luminance signal when displaying RGB.
WFM:MATRIX:YRGB	ON	Displays the luminance signal when displaying RGB.
	OFF	Does not display the luminance signal when displaying RGB.
	?	Queries the presence of luminance signal when displaying RGB.
WFM:MATRIX:COMPOSITE:FORMAT	AUTO	Selects NTSC or PAL automatically when displaying the pseudo-composite.
	NTSC	Displays NTSC when displaying the pseudo-composite.
	PAL	Displays PAL when displaying the pseudo-composite.
	?	Queries the display format of the pseudo-composite display.
WFM:MATRIX:SETUP	0P	Sets the setup to exclude when displaying the pseudo-composite.
	7.5P	Sets the setup to 7.5% when displaying the pseudo-composite.
	?	Queries the setup value of the pseudo-composite display.

- VECTOR LV 58SER04 (MPEG DECODER)

Command	Parameter1	Description
VECTOR	-	Displays vector waveforms.

- VECTOR - INTEN/SCALE LV 58SER04 (MPEG DECODER)

Command	Parameter1	Description
VECTOR:INTEN:VECTOR	-128 to 127	Sets the intensity of the vector waveform.
	?	Queries the intensity of the vector waveform.
VECTOR:COLOR	WHITE	Sets the waveform display color to white.
	GREEN	Sets the waveform display color to green.
	?	Queries the waveform display color.
VECTOR:INTEN:SCALE	-8 to 7	Sets the intensity of the scale.
	?	Queries the intensity of the scale.
VECTOR:SCALE:IQ	ON	Displays the IQ axis.
	OFF	Does not display the IQ axis.
	?	Queries the presence of displaying the IQ axis.
VECTOR:SCALE:COLOR	WHITE	Sets the scale color to white.
	YELLOW	Sets the scale color to yellow.
	CYAN	Sets the scale color to cyan.
	GREEN	Sets the scale color to green.
	MAGENTA	Sets the scale color to magenta.
	RED	Sets the scale color to red.
	BLUE	Sets the scale color to blue.
	?	Queries the scale color.

- VECTOR - GAIN LV 58SER04 (MPEG DECODER)

Command	Parameter1	Description
VECTOR:GAIN:VAR	CAL	Sets the gain of the waveform to a constant value (×1).
	VAR	Sets the gain of the waveform to variable (×0.200 to ×2.000).
	?	Queries the gain setting of the waveform.
VECTOR:GAIN:VAL	0.200 to 2.000	Sets the variable gain value of the waveform.
	?	Queries the variable gain value of the waveform.
VECTOR:GAIN:MAG	X1	Sets the gain factor of the waveform to ×1.
	X5	Sets the gain factor of the waveform to ×5.
	IQ	Sets the gain factor so that the IQ signal is positioned at the circumference.
	?	Queries the gain factor of the waveform.

- VECTOR - LINE SELECT LV 58SER04 (MPEG DECODER)

Command	Parameter1	Description
VECTOR:LINE_SELECT	ON	Enables the line select function.
	OFF	Disables the line select function.
	?	Queries the line select function.
VECTOR:LINE_FIELD	FIELD1	Sets the selection range of the line select to field 1.
	FIELD2	Sets the selection range of the line select to field 2.
	FRAME	Sets the selection range of the line select to frame.
	?	Queries the selection range of the line select.
VECTOR:LINE_NUMBER	Example) 1 to 1125 (Depending on the format)	Queries the selected line of the line select.
	?	Queries the selected line of the line select.

- VECTOR - COLOR SYSTEM LV 58SER04 (MPEG DECODER)

Command	Parameter1	Description
VECTOR:MATRIX	COMPONENT	Sets the color matrix to component display.
	COMPOSITE	Sets the color matrix to pseudo-composite display.
	?	Queries the color matrix setting.
VECTOR:MATRIX:COMPOSITE:FORMAT	AUTO	Selects NTSC or PAL automatically when displaying the pseudo-composite.
	NTSC	Displays NTSC when displaying the pseudo-composite.
	PAL	Displays PAL when displaying the pseudo-composite.
	?	Queries the display format of the pseudo-composite display.
VECTOR:MATRIX:SETUP	0P	Sets the setup to exclude when displaying the pseudo-composite.
	7.5P	Sets the setup to 7.5% when displaying the pseudo-composite.
	?	Queries the setup value of the pseudo-composite display.
VECTOR:MATRIX:COLORBAR	100P	Sets the scale that maches the 100% color bar
	75P	Sets the scale that maches the 75% color bar.
	?	Queries the scale setting.

- VECTOR - PERSISTENCE LV 58SER04 (MPEG DECODER)

Command	Parameter1	Description
VECTOR:PERSISTENCE	ON	Sets the persistence characteristics to be applied.
	OFF	Sets the persistence characteristics not to be applied.
	INFINIT	Sets the overlaying of the waveforms.
	?	Queries the persistence display setting.
VECTOR:PERSIST_CLEAR	-	Clears the overlaying of the waveform.

- PICTURE LV 58SER04 (MPEG DECODER)

Command	Parameter1	Description
PICTURE	-	Displays the pictures.

- PICTURE - ADJUST LV 58SER04 (MPEG DECODER)

Command	Parameter1	Description
PICTURE:BRIGHT	-30 to 30	Adjusts the brightness of the picture display (%).
	?	Queries the brightness of the picture display.
PICTURE:CONTRAST	0.70 to 1.30	Adjusts the contrast of the picture display.
	?	Queries the contrast of the picture display.
PICTURE:GAIN:R	0.70 to 1.30	Adjusts the gain of the R signal.
	?	Queries the gain of the R signal.
PICTURE:GAIN:G	0.70 to 1.30	Adjusts the gain of the G signal.
	?	Queries the gain of the G signal.
PICTURE:GAIN:B	0.70 to 1.30	Adjusts the gain of the B signal.
	?	Queries the gain of the B signal.
PICTURE:BIAS:R	-0.30 to 0.30	Adjusts the bias of the R signal (×100%).
	?	Queries the bias of the R signal.
PICTURE:BIAS:G	-0.30 to 0.30	Adjusts the bias of the G signal (×100%).
	?	Queries the bias of the G signal.
PICTURE:BIAS:B	-0.30 to 0.30	Adjusts the bias of the B signal (×100%).
	?	Queries the bias of the B signal.

- PICTURE - MARKER LV 58SER04 (MPEG DECODER)

Command	Parameter1	Description
PICTURE:MARKER:4_3	ON	Displays the 4:3 aspect marker.
	OFF	Does not display the 4:3 aspect marker.
	?	Queries the presence of displaying the 4:3 aspect marker.
PICTURE:MARKER:16_9	ON	Displays the 16:9 aspect marker.
	OFF	Does not display the 16:9 aspect marker.
	?	Queries the presence of displaying the 16:9 aspect marker.
PICTURE:MARKER:SAFE_ACTION	ON	Displays the safe action markers.
	OFF	Does not display the safe action markers.
	?	Queries the presence of displaying the safe action markers.
PICTURE:MARKER:SAFE_TITLE	ON	Displays the safe title markers.
	OFF	Does not display the safe title markers.
	?	Queries the presence of displaying the safe title markers.
PICTURE:MARKER:CENTER	ON	Displays the center marker.
	OFF	Does not display the center marker.
	?	Queries the presence of displaying the center marker.

- PICTURE - LINE SELECT LV 58SER04 (MPEG DECODER)

Command	Parameter1	Description
PICTURE:LINE_SELECT	ON	Displays the line select marker.
	OFF	Does not display the line select marker.
	?	Queries the line select marker.
PICTURE:LINE_FIELD	FIELD1	Sets the selection range of the line select to field 1.
	FIELD2	Sets the selection range of the line select to field 2.
	FRAME	Sets the selection range of the line select to frame.
	?	Queries the selection range of the line select.
PICTURE:LINE_NUMBER	Example) 1 to 1125 (Depending on the format)	Sets the line of the line select.
	?	Queries the selected line of the line select.

- PICTURE - DISPLAY LV 58SER04 (MPEG DECODER)

Command	Parameter1	Description
PICTURE:SIZE	FIT	Displays the picture size optimized.
	REAL	Displays each sample of the video signal as a pixel of the LCD.
	?	Queries the picture size.

- STATUS LV 58SER04 (MPEG DECODER)

Command	Parameter1	Description
STATUS	-	Sets the status display.

2.4.6 LV 58SER40A Commands (DIGITAL AUDIO)

- UNIT SETUP — LV 58SER40A (DIGITAL AUDIO)

Command	Parameter1	Parameter2	Description
SYS:UNIT:EXT_BNC	1,2,3,4 (*1)	INPUT	Sets all rear BNC connector to input.
		OUTPUT	Sets all rear BNC connector to output.
		?	Queries all rear BNC connector setting.
SYS:UNIT:ERROR:LEVEL_OVER	1,2,3,4	ON	Detects the level over error.
		OFF	Does not detect the level over error.
		?	Queries the presence of detecting the level over error.
SYS:UNIT:ERROR:CLIP	1,2,3,4	ON	Detects the clip error.
		OFF	Does not detect the clip error.
		?	Queries the presence of detecting the clip error.
SYS:UNIT:ERROR:CLIP:DURATION	1,2,3,4	1 to 100	Sets the the detection period of the clip error. (sample)
		?	Queries the the detection period of the clip error. (sample)
SYS:UNIT:ERROR:MUTE	1,2,3,4	ON	Detects the mute error.
		OFF	Does not detect the mute error.
		?	Queries the presence of detecting the mute error.
SYS:UNIT:ERROR:MUTE:DURATION	1,2,3,4	1 to 5000	Sets the the detection period of the mute error. (ms)
		?	Queries the the detection period of the mute error. (sample)
SYS:UNIT:ERROR:PARITY	1,2,3,4	ON	Detects the parity error.
		OFF	Does not detect the parity error.
		?	Queries the presence of detecting the parity error.
SYS:UNIT:ERROR:VARIDITY	1,2,3,4	ON	Detects the varidity error.
		OFF	Does not detect the varidity error.
		?	Queries the presence of detecting the varidity error.
SYS:UNIT:ERROR:CRC	1,2,3,4	ON	Detects the CRC error.
		OFF	Does not detect the CRC error.
		?	Queries the presence of detecting the CRC error.
SYS:UNIT:ERROR:CODE	1,2,3,4	ON	Detects the code violation error.
		OFF	Does not detect the code violation error.
		?	Queries the presence of detecting the code violation error.

*1 Enter the unit number in which LV 58SER40A is installed.

- AUDIO — LV 58SER40A (DIGITAL AUDIO)

Command	Parameter1	Description
AUDIO	-	Sets the audio display.

- AUDIO - CHANNEL SELECT LV 58SER40A (DIGITAL AUDIO)

Command	Parameter1	Description
AUDIO:CH_SEL:NUMBER	8CH	Sets the number of measurement channels to 8ch.
	16CH	Sets the number of measurement channels to 16ch.
	?	Queries the number of measurement channels.
AUDIO:CH_SEL:DISPLAY	1_8CH	Sets the channels that are measured to 1-8ch when the number of measurement channels is 8ch.
	9_16CH	Sets the channels that are measured to 9-16ch when the number of measurement channels is 8ch.
	?	Queries the channels that are measured when the number of measurement channels is 8ch.

- AUDIO - DISPLAY MODE LV 58SER40A (DIGITAL AUDIO)

Command	Parameter1	Description
AUDIO:DISPLAY_MODE	LISSAJOU	Displays the Lissajous waveform.
	S_IMAGE	Displays the sound image waveform.
	STATUS	Displays the audio status screen.
	METER	Displays the meter screen.
	LOUDNESS	Displays the loudness screen.
	?	Queries the audio display screen.

- AUDIO - METER SETUP LV 58SER40A (DIGITAL AUDIO)

Command	Parameter1	Description
AUDIO:METER:D_RANGE	M60DBFS	Sets the meter scale to 0 to -60dBFS.
	M90DBFS	Sets the meter scale to 0 to -90dBFS.
	?	Queries the meter scale.
AUDIO:METER:RESPONSE	TRUE_PEAK	Sets the level meter response model to TRUE PEAK.
	PPM	Sets the level meter response model to PPM.
	PPM1	Sets the level meter response model to PPM1.
	PPM2	Sets the level meter response model to PPM2.
	VU_TRUE_PEAK	Sets the level meter response model to VU, and peak hold meter response model to TRUE PEAK.
	VU_PPM	Sets the level meter response model to VU, and peak hold meter response model to PPM.
	VU_PPM1	Sets the level meter response model to VU, and peak hold meter response model to PPM1.
	VU_PPM2	Sets the level meter response model to VU, and peak hold meter response model to PPM2.
	LOUDNESS_F	Sets the level meter response model to LOUDNESS-F.
	LOUDNESS_S	Sets the level meter response model to LOUDNESS-S.
	?	Queries the meter response model.
AUDIO:METER:PEAK_HOLD	0.5SEC	Sets the peak hold time of the peak hold meter to 0.5sec.
	1SEC	Sets the peak hold time of the peak hold meter to 1sec.
	1.5SEC	Sets the peak hold time of the peak hold meter to 1.5sec.
	2SEC	Sets the peak hold time of the peak hold meter to 2sec.
	2.5SEC	Sets the peak hold time of the peak hold meter to 2.5sec.
	3SEC	Sets the peak hold time of the peak hold meter to 3sec.
	3.5SEC	Sets the peak hold time of the peak hold meter to 3.5sec.
	4SEC	Sets the peak hold time of the peak hold meter to 4sec.
	4.5SEC	Sets the peak hold time of the peak hold meter to 4.5sec.
	5SEC	Sets the peak hold time of the peak hold meter to 5sec.
	HOLD	Holds the peak time of the peak hold meter.
	?	Queries the holding time of peak hold meter.

Command	Parameter1	Description
AUDIO:METER:OVER_LEVEL	-40.0 to 0.0	Sets the over level.(dBFS)
	?	Queries the over level.
AUDIO:METER:WARNING_LEVEL	-40.0 to 0.0	Sets the warning level. (dBFS)
	?	Queries the warning level.
AUDIO:METER:REF_LEVEL	-40.0 to 0.0	Sets the reference level. (dBFS)
	?	Queries the reference level.

- AUDIO - LISSAJOU SETUP LV 58SER40A (DIGITAL AUDIO)

Command	Parameter1	Description
AUDIO:LISSAJOU:INTEN:LISSAJOU	-128 to 127	Sets the intensity of the Lissajous waveform.
	?	Queries the intensity of the Lissajous waveform.
AUDIO:LISSAJOU:INTEN:SCALE	-8 to 7	Sets the intensity of the scale.
	?	Queries the intensity of the scale.
AUDIO:LISSAJOU:DISPLAY	SINGLE	Displays the single Lissajous screen.
	MULTI	Displays the multi Lissajous screen.
	?	Queries the Lissajous display screen.
AUDIO:LISSAJOU:FORM	X-Y	Assigns the R and L axes to the horizontal and vertical.
	MATRIX	Tilts the R and L axes 45° with respect to X-Y.
	?	Queries the display mode of the R and L axes.
AUDIO:LISSAJOU:AUTO_GAIN	ON	Automatically adjusts the gain of the Lissajous waveform.
	OFF	Does not automatically adjust the gain of the Lissajous waveform.
	?	Queries the status of automatic gain adjustment of the Lissajous waveform.
AUDIO:LISSAJOU:MAP:SINGLE_L	CH1 to CH16	Sets the channel to be assigned to the L axis of the single Lissajous waveform.
	LT	Sets the channel that is assigned to the L axis of the single Lissajous waveform to Lt (down mixing).
	?	Queries the channel to be assigned to the L axis of the single Lissajous waveform.
AUDIO:LISSAJOU:MAP:SINGLE_R	CH1 to CH16	Sets the channel to be assigned to the R axis of the single Lissajous waveform.
	RT	Sets the channel that is assigned to the R axis of the single Lissajous waveform to Rt (down mixing).
	?	Queries the channel to be assigned to the R axis of the single Lissajous waveform.
AUDIO:LISSAJOU:MAP:MULTI_L1	CH1 to CH16	Sets the channel to be assigned to the L1 axis of the multi Lissajous waveform.
	?	Queries the channel to be assigned to the L1 axis of the multi Lissajous waveform.
AUDIO:LISSAJOU:MAP:MULTI_R1	CH1 to CH16	Sets the channel to be assigned to the R1 axis of the multi Lissajous waveform.
	?	Queries the channel to be assigned to the R1 axis of the multi Lissajous waveform.
AUDIO:LISSAJOU:MAP:MULTI_L2	CH1 to CH16	Sets the channel to be assigned to the L2 axis of the multi Lissajous waveform.
	?	Queries the channel to be assigned to the L2 axis of the multi Lissajous waveform.
AUDIO:LISSAJOU:MAP:MULTI_R2	CH1 to CH16	Sets the channel to be assigned to the R2 axis of the multi Lissajous waveform.
	?	Queries the channel to be assigned to the R2 axis of the multi Lissajous waveform.

Command	Parameter1	Description
AUDIO:LISSAJOU:MAP:MULTI_L3	CH1 to CH16	Sets the channel to be assigned to the L3 axis of the multi Lissajous waveform.
	?	Queries the channel to be assigned to the L3 axis of the multi Lissajous waveform.
AUDIO:LISSAJOU:MAP:MULTI_R3	CH1 to CH16	Sets the channel to be assigned to the R3 axis of the multi Lissajous waveform.
	?	Queries the channel to be assigned to the R3 axis of the multi Lissajous waveform.
AUDIO:LISSAJOU:MAP:MULTI_L4	CH1 to CH16	Sets the channel to be assigned to the L4 axis of the multi Lissajous waveform.
	?	Queries the channel to be assigned to the L4 axis of the multi Lissajous waveform.
AUDIO:LISSAJOU:MAP:MULTI_R4	CH1 to CH16	Sets the channel to be assigned to the R4 axis of the multi Lissajous waveform.
	?	Queries the channel to be assigned to the R4 axis of the multi Lissajous waveform.
AUDIO:LISSAJOU:MAP:MULTI_L5	CH1 to CH16	Sets the channel to be assigned to the L5 axis of the multi Lissajous waveform.
	?	Queries the channel to be assigned to the L5 axis of the multi Lissajous waveform.
AUDIO:LISSAJOU:MAP:MULTI_R5	CH1 to CH16	Sets the channel to be assigned to the R5 axis of the multi Lissajous waveform.
	?	Queries the channel to be assigned to the R5 axis of the multi Lissajous waveform.
AUDIO:LISSAJOU:MAP:MULTI_L6	CH1 to CH16	Sets the channel to be assigned to the L6 axis of the multi Lissajous waveform.
	?	Queries the channel to be assigned to the L6 axis of the multi Lissajous waveform.
AUDIO:LISSAJOU:MAP:MULTI_R6	CH1 to CH16	Sets the channel to be assigned to the R6 axis of the multi Lissajous waveform.
	?	Queries the channel to be assigned to the R6 axis of the multi Lissajous waveform.
AUDIO:LISSAJOU:MAP:MULTI_L7	CH1 to CH16	Sets the channel to be assigned to the L7 axis of the multi Lissajous waveform.
	?	Queries the channel to be assigned to the L7 axis of the multi Lissajous waveform.
AUDIO:LISSAJOU:MAP:MULTI_R7	CH1 to CH16	Sets the channel to be assigned to the R7 axis of the multi Lissajous waveform.
	?	Queries the channel to be assigned to the R7 axis of the multi Lissajous waveform.
AUDIO:LISSAJOU:MAP:MULTI_L8	CH1 to CH16	Sets the channel to be assigned to the L8 axis of the multi Lissajous waveform.
	?	Queries the channel to be assigned to the L8 axis of the multi Lissajous waveform.
AUDIO:LISSAJOU:MAP:MULTI_R8	CH1 to CH16	Sets the channel to be assigned to the R8 axis of the multi Lissajous waveform.
	?	Queries the channel to be assigned to the R8 axis of the multi Lissajous waveform.

- AUDIO - S.IMAGE SETUP LV 58SER40A (DIGITAL AUDIO)

Command	Parameter1	Description
AUDIO:S_IMAGE:INTEN:S_IMAGE	-128 to 127	Sets the intensity of the sound image waveform.
	?	Queries the intensity of the sound image waveform.
AUDIO:S_IMAGE:INTEN:SCALE	-8 to 7	Sets the intensity of the scale.
	?	Queries the intensity of the scale.
AUDIO:S_IMAGE:SURROUND	3_1	Displays the 3-1 system of the sound image waveform.
	3_2	Displays the 3-2 system of the sound image waveform.
	3_2_2	Displays the 3-2-2 system of the sound image waveform.
	?	Queries the display format of the sound image waveform.
AUDIO:S_IMAGE:AUTO_GAIN	ON	Automatically adjusts the gain of the sound image waveform.
	OFF	Does not automatically adjust the gain of the sound image waveform.
	?	Queries the presence of automatic gain adjustment of the sound image waveform.
AUDIO:S_IMAGE:MAP:L	CH1 to CH16	Sets the channel to be assigned to the L axis of the sound image waveform.
	?	Queries the channel to be assigned to the L axis of the sound image waveform.
AUDIO:S_IMAGE:MAP:R	CH1 to CH16	Sets the channel to be assigned to the R axis of the sound image waveform.
	?	Queries the channel to be assigned to the R axis of the sound image waveform.
AUDIO:S_IMAGE:MAP:C	CH1 to CH16	Sets the channel to be assigned to the C axis of the sound image waveform.
	?	Queries the channel to be assigned to the C axis of the sound image waveform.
AUDIO:S_IMAGE:MAP:LFE	CH1 to CH16	Sets the channel to be assigned to the LFE axis of the sound image waveform.
	?	Queries the channel to be assigned to the LFE axis of the sound image waveform.
AUDIO:S_IMAGE:MAP:LS	CH1 to CH16	Sets the channel to be assigned to the LS axis of the sound image waveform.
	?	Queries the channel to be assigned to the LS axis of the sound image waveform.
AUDIO:S_IMAGE:MAP:RS	CH1 to CH16	Sets the channel to be assigned to the RS axis of the sound image waveform.
	?	Queries the channel to be assigned to the RS axis of the sound image waveform.

- AUDIO - S.IMAGE SETUP LV 58SER40A (DIGITAL AUDIO)

Command	Parameter1	Description
AUDIO:S_IMAGE:MAP:LL	CH1 to CH16	Sets the channel to be assigned to the LL axis of the sound image waveform.
	?	Queries the channel to be assigned to the LL axis of the sound image waveform.
AUDIO:S_IMAGE:MAP:RR	CH1 to CH16	Sets the channel to be assigned to the RR axis of the sound image waveform.
	?	Queries the channel to be assigned to the RR axis of the sound image waveform.

- AUDIO - STATUS SETUP LV 58SER40A (DIGITAL AUDIO)

Command	Parameter1	Description
AUDIO:STATUS:DISPLAY	DEFAULT	Displays the status screen.
	CH_STATUS	Displays the channel status screen.
	USER_BIT	Displays the user bit screen.
	?	Queries the display formt of the status screen.
AUDIO:DOLBY:E_META_PRM	PRM1 to PRM8	Sets the program number in which metadata of the Dolby E signal is displayed.
	?	Queries the program number in which metadata of the Dolby E signal is displayed.
AUDIO:DOLBY:EBI_META_PRM	PRM1 to PRM8	Sets the program number in which EBI metadata of the Dolby E signal is displayed.
	?	Queries the program number in which EBI metadata of the Dolby E signal is displayed.
AUDIO:STATUS:CH_STATUS	CH1 to CH16	Sets the channel of the channel status screen.
	?	Queries the channel of the channel status screen.
AUDIO:STATUS:STATUS_ALIGN	LSB1ST	Displays the channel status bit from LSB.
	MSB1ST	Displays the channel status bit from MSB.
	?	Queries the displaying order of the channel status bit.
AUDIO:STATUS:USER_BIT	CH1 to CH16	Sets the channel of the user bit screen.
	?	Queries the channel of the user bit screen.
AUDIO:STATUS:USER_ALIGN	LSB1ST	Displays the user bit from LSB.
	MSB1ST	Displays the user bit from MSB.
	?	Queries the displaying order of the user bit.
AUDIO:STATUS:ERROR_RESET	-	Resets the error of the status screen to zero.

- AUDIO - LOUDNESS SETUP LV 58SER40A (DIGITAL AUDIO)

Command	Parameter1	Description
AUDIO:LOUD:PERIOD	2MIN	Sets the measurement time to 2 minutes.
	10MIN	Sets the measurement time to 10 minutes.
	30MIN	Sets the measurement time to 30 minutes.
	1HOUR	Sets the measurement time to 1 hour.
	2HOUR	Sets the measurement time to 2 hours.
	?	Queries the measurement time.
AUDIO:LOUD:CHART_CLEAR	-	Clears the chart.
AUDIO:LOUD:MEASURE	STOP	Stops loudness measurement.
	START	Starts loudness measurement.
	?	Queries the loudness measurement status.
AUDIO:LOUD:MAG	OFF	Disables scale MAG.
	ON	Enables scale MAG.
	?	Queries the scale MAG status.
AUDIO:LOUD:INTEG:MODE	BS1770_2	Sets the measurement mode to BS1770-2.
	ARIB	Sets the measurement mode to ARIB.
	EBU	Sets the measurement mode to EBU.
	ATSC	Sets the measurement mode to ATSC.
	?	Queries the measurement mode.
AUDIO:LOUD:INTEG:LFE_GAIN	OFF	Disables LFE.
	ON	Enables LFE.
	?	Queries the LFE status.
AUDIO:LOUD:INTEG:LFE_GAIN:VALUE	0 to 10	Sets the LFE gain.
	?	Queries the LFE gain.

Command	Parameter1	Description
AUDIO:LOUD:SHORT:AVRG_TIME	200 to 10000	Sets the measurement time of short-term loudness (100 steps).
	?	Queries the measurement time of short-term loudness.
AUDIO:LOUD:MOMENT:AVRG_TIME	200 to 10000	Sets the measurement time of momentary loudness (100 steps).
	?	Queries the measurement time of momentary loudness.
AUDIO:LOUD:RESPONSE	SHORTTERM	Sets the response model to short-term.
	MOMENTARY	Sets the response model to momentary.
	?	Queries the response model.
AUDIO:LOUD:AUTO:TRIGGER	OFF	Manually measures loudness.
	REMOTE	Measures loudness using the remote connector.
	TIMECODE	Measures loudness using time codes.
	MUTE	Measures loudness using input signals.
	?	Queries the loudness measurement method.
AUDIO:LOUD:AUTO_START:H	0 to 23	Sets the time code start hour.
	?	Queries the time code start hour.
AUDIO:LOUD:AUTO_START:M	0 to 59	Sets the time code start minute.
	?	Queries the time code start minute.
AUDIO:LOUD:AUTO_START:S	0 to 59	Sets the time code start second.
	?	Queries the time code start second.
AUDIO:LOUD:AUTO_END:H	0 to 23	Sets the time code end hour.
	?	Queries the time code end hour.
AUDIO:LOUD:AUTO_END:M	0 to 59	Sets the time code end minute.
	?	Queries the time code end minute.
AUDIO:LOUD:AUTO_END:S	0 to 59	Sets the time code end second.
	?	Queries the time code end second.
AUDIO:LOUD:MAP:MODE:MAIN	MONO	Sets the main loudness measurement channel to MONO.
	STEREO	Sets the main loudness measurement channel to STEREO.
	5_1	Sets the main loudness measurement channel to 5.1.
	CUSTOM	Sets the main loudness measurement channel to CUSTOM.
	?	Queries the main loudness measurement channel.
AUDIO:LOUD:MAP:MODE:SUB	OFF	Disables sub loudness measurement.
	MONO	Sets the sub loudness measurement channel to MONO.
	STEREO	Sets the sub loudness measurement channel to STEREO.
	?	Queries the sub loudness measurement channel.
AUDIO:LOUD:MAP:L	CH1 to CH16	Selects the channel to assign to Lch.
	NON	Does not assign a channel to Lch.
	?	Queries the channel to assign to Lch.
AUDIO:LOUD:MAP:R	CH1 to CH16	Selects the channel to assign to Rch.
	NON	Does not assign a channel to Rch.
	?	Queries the channel to assign to Rch.
AUDIO:LOUD:MAP:C	CH1 to CH16	Selects the channel to assign to Cch.
	NON	Does not assign a channel to Cch.
	?	Queries the channel to assign to Cch.
AUDIO:LOUD:MAP:LFE	CH1 to CH16	Selects the channel to assign to LFEch.
	NON	Does not assign a channel to LFEch.
	?	Queries the channel to assign to LFEch.
AUDIO:LOUD:MAP:LS	CH1 to CH16	Selects the channel to assign to Lsch.
	NON	Does not assign a channel to Lsch.
	?	Queries the channel to assign to Lsch.
AUDIO:LOUD:MAP:RS	CH1 to CH16	Selects the channel to assign to Rsch.
	NON	Does not assign a channel to Rsch.
	?	Queries the channel to assign to Rsch.

Command	Parameter1	Description
AUDIO:LOUD:MAP:RL	CH1 to CH16	Selects the channel to assign to sub Lch.
	?	Queries the channel to assign to sub Lch.
AUDIO:LOUD:MAP:RR	CH1 to CH16	Selects the channel to assign to sub Rch.
	?	Queries the channel to assign to sub Rch.
AUDIO:LOUD:SHORTTERM:DATA:MAIN	-	Queries the main short-term loudness.
AUDIO:LOUD:INTEGRATED:DATA:MAIN	-	Queries the main long-term loudness.
AUDIO:LOUD:MOMENTARY:DATA:MAIN	-	Queries the main momentary loudness.
AUDIO:LOUD:SHORTTERM:DATA:SUB	-	Queries the sub n short-term loudness.
AUDIO:LOUD:INTEGRATED:DATA:SUB	-	Queries the sub long-term loudness.
AUDIO:LOUD:MOMENTARY:DATA:SUB	-	Queries the sub momentary loudness.
AUDIO:LOUD:PEAKHOLD:DATA:L	-	Queries the Lch peak level.
AUDIO:LOUD:PEAKHOLD:DATA:R	-	Queries the Rch peak level.
AUDIO:LOUD:PEAKHOLD:DATA:C	-	Queries the Cch peak level.
AUDIO:LOUD:PEAKHOLD:DATA:LFE	-	Queries the LFEch peak level.
AUDIO:LOUD:PEAKHOLD:DATA:LS	-	Queries the Lsch peak level.
AUDIO:LOUD:PEAKHOLD:DATA:RS	-	Queries the Rsch peak level.
AUDIO:LOUD:PEAKHOLD:DATA:SL	-	Queries the sub Lch peak level.
AUDIO:LOUD:PEAKHOLD:DATA:SR	-	Queries the sub Rch peak level.

- AUDIO - PHONES SETUP LV 58SER40A (DIGITAL AUDIO)

Command	Parameter1	Description
AUDIO:PHONES:VOLUME	-128 to 127	Sets the headphone output volume.
	?	Queries the headphone output volume.
AUDIO:PHONES:L_R_CH	1_2	Maps channels 1 and 2 to the left and right of the headphone output.
	3_4	Maps channels 3 and 4 to the left and right of the headphone output.
	5_6	Maps channels 5 and 6 to the left and right of the headphone output.
	7_8	Maps channels 7 and 8 to the left and right of the headphone output.
	9_10	Maps channels 9 and 10 to the left and right of the headphone output.
	11_12	Maps channels 11 and 12 to the left and right of the headphone output.
	13_14	Maps channels 13 and 14 to the left and right of the headphone output.
	15_16	Maps channels 15 and 16 to the left and right of the headphone output.
	LT_RT	Maps channels LT and RT to the left and right of the headphone output.
	AUX1_AUX2	Maps channels AUX1 and AUX2 to the left and right of the headphone output.
	L_R	Maps channels L and R to the left and right of the headphone output.
	?	Queries mapping channels to the left and right of the headphone output.

Command	Parameter1	Description
AUDIO:DOLBY:AUX_CH	LTRT	Sets the function of the AUX CH to LtRt.
	LORO	Sets the function of the AUX CH to LoRo.
	MONO	Sets the function of the AUX CH to MONO.
	MUTE	Sets the function of the AUX CH to MUTE.
	?	Sets the function of the AUX CH.
AUDIO:DOLBY:AUX_CH_DRC	LINE	Sets the Dynamic Range Control to LINE.
	RF	Sets the Dynamic Range Control to RF.
	?	Sets the Dynamic Range Control of the AUX CH.

- AUDIO – DOLBY* E SETUP LV 58SER40A (DIGITAL AUDIO)

Command	Parameter1	Description
AUDIO:DOLBY	AC3	Sets the operation mode to Dolby digital (AC-3).
	E	Sets the operation mode to Dolby E.
	OFF	Sets the operation mode to PCM.
	?	Queries the operation mode.
AUDIO:DOLBY:GROUP	1_2	Sets the decode channel to ch1/2.
	3_4	Sets the decode channel to ch3/4.
	5_6	Sets the decode channel to ch5/6.
	7_8	Sets the decode channel to ch7/8.
	9_10	Sets the decode channel to ch9/10.
	11_12	Sets the decode channel to ch11/12.
	13_14	Sets the decode channel to ch13/14.
	15_16	Sets the decode channel to ch15/16.
	?	Queries the decode channel.
AUDIO:DOLBY:E_DIALNORM	ON	Sets the Dolby E signal dialog normalization to on.
	OFF	Sets the Dolby E signal dialog normalization to off.
	?	Queries the on/off setting of the Dolby E signal dialog normalization.
AUDIO:DOLBY:E_PULLDOWN	ON	Sets the Dolby E signal pulldown to on.
	OFF	Sets the Dolby E signal pulldown to off.
	?	Queries the on/off setting of the Dolby E signal pulldown.
AUDIO:DOLBY:D_LISTENING	FULL	Sets the Dolby Digital signal listening mode to FULL.
	EX	Sets the Dolby Digital signal listening mode to EX.
	3STEREO	Sets the Dolby Digital signal listening mode to 3stereo.
	PHANTOM	Sets the Dolby Digital signal listening mode to PHANTOM.
	STEREO	Sets the Dolby Digital signal listening mode to STEREO.
	MONO	Sets the Dolby Digital signal listening mode to MONO.
	?	Queries the Dolby Digital signal listening mode.
AUDIO:DOLBY:D_PROLOGIC	ON	Sets the Dolby Digital signal Pro Logic to on.
	OFF	Sets the Dolby Digital signal Pro Logic to off.
	?	Queries the on/off setting of the Dolby E signal Pro logic.
AUDIO:DOLBY:D_DRC	BYPASS	Sets the Dolby Digital signal dynamic range control to BYPASS.
	LINE	Sets the Dolby Digital signal dynamic range control to LINE.
	RF	Sets the Dolby Digital signal dynamic range control to RF.
	?	Queries the Dolby Digital signal dynamic range control.

- AUDIO - INPUT SELECT LV 58SER40A (DIGITAL AUDIO)

Command	Parameter1	Description
AUDIO:INPUT_SELECT	DIGITAL	Measures the digital audio signal.
	ANALOG	Measures the analog audio signal.
	?	Queries the audio signal type to measure.

2.5 FTP Commands

Carries out the FTP command after carrying out the MAKE command of TELNET to retrieve each file by using the FTP.

Example) Operation of retrieving a text file of the event log to a computer
1) Starts TELNET and carries out "MAKE LOG" of the TELNET command.
2) Starts FTP and carries out “GET” of the FTP command.

Command	Parameter1	Parameter2	Description
GET	LOG.TXT	Example) D:\LOG.TXT (File name saved in an external storage)	Retrieves the error log as a textfile.
	DUMP.TXT	Example) D:\DUMP.TXT (File name saved in an external storage)	Retrieves the data dump as a textfile. (only SDI INPUT)
	CAPTURE.FRM	Example) D:\CAPTURE.FRM (File name saved in an external storage)	Retrieves the frame capture as a binary file. (only SDI INPUT)
	CAPTURE.BMP	Example) D:\CAPTURE.BMP (File name saved in an external storage)	Retrieves the screen capture as a bitmap file. (only SDI INPUT
	CAPTURE.DPX	Example) D:\CAPTURE.DPX (The name of the file to save to an external memory device)	Retrieves the frame capture data as a DPX file (only for SDI INPUT).
	CAPTURE.TIF	Example) D:\CAPTURE.TIF (The name of the file to save to an external memory device)	Retrieves the frame capture data as a TIF file (only for SDI INPUT).

3. SNMP

3.1 Description

SNMP (Simple Network Management Protocol) can be used to control the LV 5800(A) and notify SDI signal errors.
The following sections describe how to set the LV 5800(A) and MIB (Management Information Base) when using SNMP.

3.2 SNMP Version Supported

The LV 5800(A) supports SNMPv1.

3.3 Setup

3.3.1 Configuring the SNMP Manager

An SNMP manager software application is required to use SNMP to control the LV 5800(A) from a PC or a similar device.
(The LV 5800(A) does not come with an SNMP manager software application.)
For the operating procedure of the manager, see the instruction manual for the SNMP manager that you are using.

- Set the community name as follows:

  Read Community: LDRUser
  Write Community: LDRAdm

- SMI Definitions

  IMPORTS
  MODULE-IDENTITY, OBJECT-TYPE, NOTIFICATION-TYPE, enterprises
  FROM SNMPv2-SMI
  DisplayString
  FROM SNMPv2-TC
  OBJECT-GROUP, MODULE-COMPLIANCE
  FROM SNMPv2-CONF;

3.3.2 Setting the LV 5800(A)

1). Set the IP address.

2). Turn off the LV 5800(A) and back on.

3). Check that GET and SET operations can be carried out from the SNMP manager.

4). Carry out a SET operation from the SNMP manager to assign the IP address of the SNMP manager to the MIB object below.

The number of destinations that can be connected has been expanded from one to four locations.

- IP address of TRAP transmission destination 1
  `1.3.6.1.4.1.leader(20111).lv5800(10).lv5800ST1(1).l10trapTBL(9).l10trapIpTBL(2).l10trapIp1TBL(1).l10trapManagerIp1(1).0`
- IP address of TRAP transmission destination 2
  `1.3.6.1.4.1.leader(20111).lv5800(10).lv5800ST1(1).l10trapTBL(9).l10trapIpTBL(2).l10trapIp2TBL(2).l10trapManagerIp2(1).0`
- IP address of TRAP transmission destination 3
  `1.3.6.1.4.1.leader(20111).lv5800(10).lv5800ST1(1).l10trapTBL(9).l10trapIpTBL(2).l10trapIp3TBL(3).l10trapManagerIp3(1).0`
- IP address of TRAP transmission destination 4
  `1.3.6.1.4.1.leader(20111).lv5800(10).lv5800ST1(1).l10trapTBL(9).l10trapIpTBL(2).l10trapIp4TBL(4).l10trapManagerIp4(1).0`

Enable the desired transmission destinations by setting the following MIB objects.

- Enable (1) or disable (2) TRAP transmission destination 1
  `1.3.6.1.4.1.leader(20111).lv5800(10).lv5800ST1(1).l10trapTBL(9).l10trapIpTBL(2).l10trapIp1TBL(1).l10trapManagerIp1Act(2).0`
- Enable (1) or disable (2) TRAP transmission destination 2
  `1.3.6.1.4.1.leader(20111).lv5800(10).lv5800ST1(1).l10trapTBL(9).l10trapIpTBL(2).l10trapIp2TBL(2).l10trapManagerIp2Act(2).0`
- Enable (1) or disable (2) TRAP transmission destination 3
  `1.3.6.1.4.1.leader(20111).lv5800(10).lv5800ST1(1).l10trapTBL(9).l10trapIpTBL(2).l10trapIp3TBL(3).l10trapManagerIp3Act(2).0`
- Enable (1) or disable (2) TRAP transmission destination 4
  `1.3.6.1.4.1.leader(20111).lv5800(10).lv5800ST1(1).l10trapTBL(9).l10trapIpTBL(2).l10trapIp4TBL(4).l10trapManagerIp4Act(2).0`

Be sure to disable the destinations that are not used. If you do not, it will cause unnecessary load in the communications. The default setting is "Disable."

5). Restart the LV 5800(A).

6). The standard SNMP trap “coldStart(0)” is sent when the LV 5800(A) starts up.

Check that the trap is received by the SNMP manager.

3.4 MIB

This section describes the MIB (Management Information Base) that the LV 5800(A) uses.

The indications in the ACCESS column in the tables are defined as follows:

R/O	Information that can be retrieved using the SNMP manager.
R/W	Information that can be retrieved and set using the SNMP manager.
R/WO	Information that can be retrieved and set using the SNMP manager. However, the retrieved data is a fixed value with no meaning.

3.4.1 Standard MIB

The LV 5800(A) uses the standard MIB listed below.

・RFC1213 (MIB-Ⅱ)
・RFC1354 (IP Forwarding Table MIB)

Note that this version does not support some objects (those marked as “No” under the S column).

The indications in the SUPPORT column in the tables are defined as follows:

○	Supported as defined by the standard.
△	Only read is supported by the LV 5800(A) even though read and write are possible according to the standard.
×	Not supported.

- system group

MIB	OID	SYNTAX	ACCESS	SUPPORT
sysDescr	system.1	DisplayString	R/O	○
sysObjectID	system.2	ObjectID	R/O	○
sysUpTime	system.3	TimeTicks	R/O	○
sysContact (*1)	system.4	DisplayString	R/W	○
sysName (*1)	system.5	DisplayString	R/W	○
sysLocation (*1)	system.6	DisplayString	R/W	○
sysServices	system.7	INTEGER	R/O	○

*1 Set using up to 40 bytes.

- interface group

MIB	OID	SYNTAX	ACCESS	SUPPORT
ifNumber	interfaces.1	INTEGER	R/O	○
ifTable	interfaces.2	Aggregate	--	○
ifEntry	ifTable.1	Aggregate	--	○
ifIndex	ifEntry.1	INTEGER	R/O	○
ifDescr	ifEntry.2	DisplayString	R/O	○
ifType	ifEntry.3	INTEGER	R/O	○
ifMtu	ifEntry.4	INTEGER	R/O	○
ifSpeed	ifEntry.5	Gauge	R/O	○
ifPhysAddress	ifEntry.6	OctetString	R/O	○
ifAdminStatus	ifEntry.7	INTEGER	R/O	△
ifOperStatus	ifEntry.8	INTEGER	R/O	△
ifLastChange	ifEntry.9	TimeTicks	R/O	○
ifInOctets	ifEntry.10	Counter	R/O	○
ifInUcastPkts	ifEntry.11	Counter	R/O	○
ifInNUcastPkts	ifEntry.12	Counter	R/O	○
ifInDiscards	ifEntry.13	Counter	R/O	○
ifInErrors	ifEntry.14	Counter	R/O	○
ifInUnknownProtos	ifEntry.15	Counter	R/O	○
ifOutOctets	ifEntry.16	Counter	R/O	○
ifOutUcastPkts	ifEntry.17	Counter	R/O	○
ifOutNUcastPkts	ifEntry.18	Counter	R/O	○
ifOutDiscards	ifEntry.19	Counter	R/O	○
ifOutErrors	ifEntry.20	Counter	R/O	○
ifOutQLen	ifEntry.21	Gauge	R/O	○
ifSpecific	ifEntry.22	ObjectID	R/O	○

- ip group

MIB	OID	SYNTAX	ACCESS	SUPPORT
ipForwarding	ip.1	INTEGER	R/O	○
ipDefaultTTL	ip.2	INTEGER	R/O	○
ipInReceives	ip.3	Counter	R/O	○
ipInHdrErrors	ip.4	Counter	R/O	○
ipInAddrErrors	ip.5	Counter	R/O	○
ipForwDatagrams	ip.6	Counter	R/O	○
ipInUnknownProtos	ip.7	Counter	R/O	○
ipInDiscards	ip.8	Counter	R/O	○
ipInDelivers	ip.9	Counter	R/O	○
ipOutRequests	ip.10	Counter	R/O	○
ipOutDiscards	ip.11	Counter	R/O	○
ipOutNoRoutes	ip.12	Counter	R/O	○
ipReasmTimeout	ip.13	INTEGER	R/O	○
ipReasmReqds	ip.14	Counter	R/O	○
ipReasmOKs	ip.15	Counter	R/O	○
ipReasmFails	ip.16	Counter	R/O	○
ipFragOKs	ip.17	Counter	R/O	○
ipFragFails	ip.18	Counter	R/O	○
ipFragCreates	ip.19	Counter	R/O	○
ipAddrTable	ip.20	Aggregate	--	○
ipAddrEntry	ipAddrTable.1	Aggregate	--	○
ipAdEntAddr	ipAddrEntry.1	IpAddress	R/O	○
ipAdEntIfIndex	ipAddrEntry.2	INTEGER	R/O	○
ipAdEntNetMask	ipAddrEntry.3	IpAddress	R/O	○
ipAdEntBcastAddr	ipAddrEntry.4	INTEGER	R/O	○
ipAdEntReasmMaxSize	ipAddrEntry.5	INTEGER	R/O	○
ipNetToMediaTable	ip.22	Aggregate	--	○
ipNetToMediaEntry	ipNetToMediaTable.1	Aggregate	--	○
ipNetToMediaIfIndex	ipNetToMediaEntry.1	INTEGER	R/O	△
ipNetToMediaPhysAddress	ipNetToMediaEntry.2	OctetString	R/O	△
ipNetToMediaNetAddress	ipNetToMediaEntry.3	IpAddress	R/O	△
ipNetToMediaType	ipNetToMediaEntry.4	INTEGER	R/O	△
ipRoutingDiscards	ip.23	Counter	R/O	○
ipForward	ip.24	Aggregate	--	○
ipForwardNumber	ipForward .1	Gauge	R/O	○
ipForwardTable	ipForward .2	Aggregate	--	○
ipForwardDest	ipForwardTable.1	IpAddress	R/O	○
ipForwardMask	ipForwardTable.1	IpAddress	R/O	○
ipForwardPolicy	ipForwardTable.1	INTEGER	R/O	×
ipForwardNextHop	ipForwardTable.1	IpAddress	R/O	○
ipForwardIfIndex	ipForwardTable.1	INTEGER	R/O	○
ipForwardType	ipForwardTable.1	INTEGER	R/O	×
ipForwardProto	ipForwardTable.1	INTEGER	R/O	×
ipForwardAge	ipForwardTable.1	INTEGER	R/O	×
ipForwardInfo	ipForwardTable.1	ObjectID	R/O	×
ipForwardNextHopAS	ipForwardTable.1	INTEGER	R/O	×
ipForwardMetric1	ipForwardTable.1	INTEGER	R/O	×
ipForwardMetric2	ipForwardTable.1	INTEGER	R/O	×
ipForwardMetric3	ipForwardTable.1	INTEGER	R/O	×
ipForwardMetric4	ipForwardTable.1	INTEGER	R/O	×
ipForwardMetric5	ipForwardTable.1	INTEGER	R/O	×

- icmp group

MIB	OID	SYNTAX	ACCESS	SUPPORT
icmpInMsgs	icmp.1	Counter	R/O	○
icmpInErrors	icmp.2	Counter	R/O	○
icmpInDestUnreachs	icmp.3	Counter	R/O	○
icmpInTimeExcds	icmp.4	Counter	R/O	○
icmpInParmProbs	icmp.5	Counter	R/O	○
icmpInSrcQuenchs	icmp.6	Counter	R/O	○
icmpInRedirects	icmp.7	Counter	R/O	○
icmpInEchos	icmp.8	Counter	R/O	○
icmpInEchoReps	icmp.9	Counter	R/O	○
icmpInTimestamps	icmp.10	Counter	R/O	○
icmpInTimestampReps	icmp.11	Counter	R/O	○
icmpInAddrMasks	icmp.12	Counter	R/O	○
icmpInAddrMaskReps	icmp.13	Counter	R/O	○
icmpOutMsgs	icmp.14	Counter	R/O	○
icmpOutErrors	icmp.15	Counter	R/O	○
icmpOutDestUnreachs	icmp.16	Counter	R/O	○
icmpOutTimeExcds	icmp.17	Counter	R/O	○
icmpOutParmProbs	icmp.18	Counter	R/O	○
icmpOutSrcQuenchs	icmp.19	Counter	R/O	○
icmpOutRedirects	icmp.20	Counter	R/O	○
icmpOutEchos	icmp.21	Counter	R/O	○
icmpOutEchoReps	icmp.22	Counter	R/O	○
icmpOutTimestamps	icmp.23	Counter	R/O	○
icmpOutTimestampReps	icmp.24	Counter	R/O	○
icmpOutAddrMasks	icmp.25	Counter	R/O	○
icmpOutAddrMaskReps	icmp.26	Counter	R/O	○

- tcp group

MIB	OID	SYNTAX	ACCESS	SUPPORT
tcpRtoAlgorithm	tcp.1	INTEGER	R/O	○
tcpRtoMin	tcp.2	INTEGER	R/O	○
tcpRtoMax	tcp.3	INTEGER	R/O	○
tcpMaxConn	tcp.4	INTEGER	R/O	○
tcpActiveOpens	tcp.5	Counter	R/O	○
tcpPassiveOpens	tcp.6	Counter	R/O	○
tcpAttemptFails	tcp.7	Counter	R/O	○
tcpEstabResets	tcp.8	Counter	R/O	○
tcpCurrEstab	tcp.9	Gauge	R/O	○
tcpInSegs	tcp.10	Counter	R/O	○
tcpOutSegs	tcp.11	Counter	R/O	○
tcpRetransSegs	tcp.12	Counter	R/O	○
tcpConnTable	tcp.13	Aggregate	--	○
tcpConnEntry	tcpConnTable.1	Aggregate	--	○
tcpConnState	tcpConnEntry.1	INTEGER	R/O	△
tcpConnLocalAddress	tcpConnEntry.2	IpAddress	R/O	○
tcpConnLocalPort	tcpConnEntry.3	INTEGER	R/O	○
tcpConnRemAddress	tcpConnEntry.4	IpAddress	R/O	○
tcpConnRemPort	tcpConnEntry.5	INTEGER	R/O	○
tcpInErrs	tcp.14	Counter	R/O	○
tcpOutRsts	tcp.15	Counter	R/O	○

- udp group

MIB	OID	SYNTAX	ACCESS	SUPPORT
udpInDatagrams	udp.1	Counter	R/O	○
udpNoPorts	udp.2	Counter	R/O	○
udpInErrors	udp.3	Counter	R/O	○
udpOutDatagrams	udp.4	Counter	R/O	○
udpTable	udp.5	Aggregate	--	○
udpEntry	udpTable.1	Aggregate	--	○
udpLocalAddress	udpEntry.1	IpAddress	R/O	○
udpLocalPort	udpEntry.2	INTEGER	R/O	○

- snmp group

MIB	OID	SYNTAX	ACCESS	SUPPORT
snmpInPkts	snmp.1	Counter	R/O	○
snmpOutPkts	snmp.2	Counter	R/O	○
snmpInBadVersions	snmp.3	Counter	R/O	○
snmpInBadCommunityNames	snmp.4	Counter	R/O	○
snmpInBadCommunityUses	snmp.5	Counter	R/O	○
snmpInASNParseErrs	snmp.6	Counter	R/O	○
snmpInTooBigs	snmp.8	Counter	R/O	○
snmpInNoSuchNames	snmp.9	Counter	R/O	○
snmpInBadValues	snmp.10	Counter	R/O	○
snmpInReadOnlys	snmp.11	Counter	R/O	○
snmpInGenErrs	snmp.12	Counter	R/O	○
snmpInTotalReqVars	snmp.13	Counter	R/O	○
snmpInTotalSetVars	snmp.14	Counter	R/O	○
snmpInGetRequests	snmp.15	Counter	R/O	○
snmpInGetNexts	snmp.16	Counter	R/O	○
snmpInSetRequests	snmp.17	Counter	R/O	○
snmpInGetResponses	snmp.18	Counter	R/O	○
snmpInTraps	snmp.19	Counter	R/O	○
snmpOutTooBigs	snmp.20	Counter	R/O	○
snmpOutNoSuchNames	snmp.21	Counter	R/O	○
snmpOutBadValues	snmp.22	Counter	R/O	○
snmpOutGenErrs	snmp.24	Counter	R/O	○
snmpOutGetRequests	snmp.25	Counter	R/O	○
snmpOutGetNexts	snmp.26	Counter	R/O	○
snmpOutSetRequests	snmp.27	Counter	R/O	○
snmpOutGetResponses	snmp.28	Counter	R/O	○
snmpOutTraps	snmp.29	Counter	R/O	○
snmpEnableAuthenTraps	snmp.30	IpAddress	R/W	○

3.4.2 Enterprise MIB

- Enterprise Number

  The enterprise number of LEADER ELECTRONICS CORPORATION is 20111.
  iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).leader(20111)

- Retrieving the Enterprise MIB File

  Download the file on the LV 5800(A) using FTP.
  The file name is “lv5800.my”.
  For a description of how to use FTP, see section 2.2, “FTP File Transfer” in this Manual.

- Enterprise MIB Structure

  The enterprise MIB structure is shown below.
  On the LV 5800(A) that does not have option boards installed, the MIB for the options cannot be controlled.

```
leader      OBJECT IDENTIFIER ::= { enterprises 20111 }
lv5800      OBJECT IDENTIFIER ::= { leader 10 }
lv5800ST1   OBJECT IDENTIFIER ::= { lv5800 1 }
basic       OBJECT IDENTIFIER ::= { lv5800ST1 1 }    <-- Basic operation
system      OBJECT IDENTIFIER ::= { lv5800ST1 2 }    <-- SYSTEM menu
wfm         OBJECT IDENTIFIER ::= { lv5800ST1 3 }    <-- WFM menu
vector      OBJECT IDENTIFIER ::= { lv5800ST1 4 }    <-- VECTOR menu
picture     OBJECT IDENTIFIER ::= { lv5800ST1 5 }    <-- PICTURE menu
audio       OBJECT IDENTIFIER ::= { lv5800ST1 6 }    <-- AUDIO menu
status      OBJECT IDENTIFIER ::= { lv5800ST1 7 }    <-- STATUS memu
eye         OBJECT IDENTIFIER ::= { lv5800ST1 8 }    <-- EYE menu
trap        OBJECT IDENTIFIER ::= { lv5800ST1 9 }    <-- Trap information
```

- Enterprise MIBs

  Tree Structure of the Enterprise MIB is shown below.
  The prefix “l10” described below is the lowercase of L10.

```
leader OBJECT IDENTIFIER ::= { enterprises 20111 }
lv5800 OBJECT IDENTIFIER ::= { leader 10 }
lv5800ST1 OBJECT IDENTIFIER ::= { lv5800 1 }
l10basicTBL OBJECT IDENTIFIER ::= { lv5800ST1 1 }
l10systemTBL OBJECT IDENTIFIER ::= { lv5800ST1 2 }
l10wfmTBL OBJECT IDENTIFIER ::= { lv5800ST1 3 }
l10vectorTBL OBJECT IDENTIFIER ::= { lv5800ST1 4 }
l10pictureTBL OBJECT IDENTIFIER ::= { lv5800ST1 5 }
l10audioTBL OBJECT IDENTIFIER ::= { lv5800ST1 6 }
l10statusTBL OBJECT IDENTIFIER ::= { lv5800ST1 7 }
l10eyeTBL OBJECT IDENTIFIER ::= { lv5800ST1 8 }
l10trapTBL OBJECT IDENTIFIER ::= { lv5800ST1 9 }
```

- l10basicTBL(1) group

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10basDisplay	l10basicTBL.1	INTEGER	R/W	1 = display1 2 = display2 3 = display3 4 = display4
l10basMulti	l10basicTBL.2	INTEGER	R/W	1 = on 2 = off
l10basInputTBL	l10basicTBL.3	Aggregate	--	--
l10basInputUnit	l10basInputTBL.1	INTEGER	R/W	1 = unit1 2 = unit2 3 = unit3 4 = unit4
l10basInputCh	l10basInputTBL.2	INTEGER	R/W	1 = A 2 = B
l10basMode	l10basicTBL.4	INTEGER	R/W	1 = WFM 2 = Vector 3 = Picture 4 = Audio 5 = Status 6 = Eye
l10basExt	l10basicTBL.5	INTEGER	R/W	1 = INT 2 = EXT
l10basRecall	l10basicTBL.6	INTEGER	R/WO	1 to 60
l10basFileTBL	l10basicTBL.7	Aggregate	--	--
l10basFileMakeLog	l10basFileTBL.1	INTEGER	R/WO	1 = Make Log
l10basFileMakeDump	l10basFileTBL.2	INTEGER	R/WO	1 = Make Dump
l10basFileMakeCapture	l10basFileTBL.3	INTEGER	R/WO	1 = Make Capture

- l10systemTBL(2) group LV 5800(A) (MULTI MONITOR)

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10sysUnitTBL	l10systemTBL.1	Aggregate	--	--
l10sysUnitSetup (*1)	l10sysUnitTBL.1	INTEGER	R/W	1 = unit1 2 = unit2 3 = unit3 4 = unit4 5 = unit5 6 = unit6
l10sysUnit1Info	l10sysUnitTBL.2	INTEGER	R/O	1 = none 2 = SDI 3 = Audio 4 = Eye 5 = Analog 6 = DVI-I 7 = MPEG
l10sysUnit2Info	l10sysUnitTBL.3	INTEGER	R/O	1 = none 2 = SDI 3 = Audio 4 = Eye 5 = Analog 6 = DVI-I 7 = MPEG
l10sysUnit3Info	l10sysUnitTBL.4	INTEGER	R/O	1 = none 2 = SDI 3 = Audio 4 = Eye 5 = Analog 6 = DVI-I 7 = MPEG
l10sysUnit4Info	l10sysUnitTBL.5	INTEGER	R/O	1 = none 2 = SDI 3 = Audio 4 = Eye 5 = Analog 6 = DVI-I 7 = MPEG
l10sysUnit5Info	l10sysUnitTBL.6	INTEGER	R/O	1 = none 2 = SDI 3 = Audio 4 = Eye 5 = Analog 6 = DVI-I 7 = MPEG
l10sysUnit6Info	l10sysUnitTBL.7	INTEGER	R/O	1 = none 2 = SDI 3 = Audio 4 = Eye 5 = Analog 6 = DVI-I 7 = MPEG
l10sysUnitManualSelect	l10sysUnitTBL.8	INTEGER	R/W	1 = Auto 2 = Manual

*1 When the power supply is turned on, it is certainly initialized to unit1. When setting the value to each unit, selects the unit number by this command at first. When the unit number is selected once, it doesn't change until the number is changed next or the power supply is turned on again.

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10sysUnitManualFormat	l10sysUnitTBL.9	INTEGER	R/W	1 = 1080i/60 2 = 1080PsF/30 3 = 1080i/59.94 4 = 1080PsF/29.97 5 = 1080i/50 6 = 1080PsF/25 7 = 1080PsF/24 8 = 1080PsF/23.98 9 = 1080p/30 10 = 1080p/29.97 11 = 1080p/25 12 = 1080p/24 13 = 1080p/23.98 14 = 720p/60 15 = 720p/59.94 16 = 720p/50 17 = 720p/30 18 = 720p/29.97 19 = 720p/25 20 = 720p/24 21 = 720p/23.98 22 = 525i/59.94 23 = 625i/50
l10sysDate	l10systemTBL.5	OctetString	R/W	YYYY/MM/DD hh:mm:ss
l10sysPlatformTBL	l10systemTBL.6	Aggregate	--	--
l10sysPlatformDisplayMultiMode	l10sysPlatformTBL.1	INTEGER	R/W	1 = 2MULTI 2 = 4MULTI
l10sysPlatformCaptureMode	l10sysPlatformTBL.2	INTEGER	R/W	1 = SCREEN 2 = VIDEO-FRAME
l10sysPlatformDisplayInfoFormat	l10sysPlatformTBL.3	INTEGER	R/W	1 = ON 2 = OFF
l10sysPlatformDisplayInfoDate	l10sysPlatformTBL.4	INTEGER	R/W	1 = OFF 2 = YMD 3 = MDY 4 = DMY
l10sysPlatformDisplayInfoTime	l10sysPlatformTBL.5	INTEGER	R/W	1 = ON 2 = OFF
l10sysPlatformDisplayInfoColor	l10sysPlatformTBL.6	INTEGER	R/W	1 = ON 2 = OFF
10sysPlatformDisplayInfoInput	l10sysPlatformTBL.7	INTEGER	R/W	1 = ON 2 = OFF
l10sysPlatformDisplayBacklight	l10sysPlatformTBL.8	INTEGER	R/W	1 = HIGH 2 = LOW
l10sysPlatformDisplayAutoOff	l10sysPlatformTBL.9	INTEGER	R/W	1 = OFF 2 = 5MIN 3 = 30MIN 4 = 60MIN
l10sysPlatformRemoteMode	l10sysPlatformTBL.10	INTEGER	R/W	1 = BIT 2 = BINARY
l10sysPlatformAlarmPolarity	l10sysPlatformTBL.11	INTEGER	R/W	1 = POSITIVE 2 = NEGATIVE

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10sysPlatformAlarm1Unit	l10sysPlatformTBL.12	INTEGER	R/W	1 = UNIT1 2 = UNIT2 3 = UNIT3 4 = UNIT4 5 = ALL
l10sysPlatformAlarm2Unit	l10sysPlatformTBL.13	INTEGER	R/W	1 = UNIT1 2 = UNIT2 3 = UNIT3 4 = UNIT4 5 = ALL
l10sysPlatformAlarm3Unit	l10sysPlatformTBL.14	INTEGER	R/W	1 = UNIT1 2 = UNIT2 3 = UNIT3 4 = UNIT4 5 = ALL
l10sysPlatformAlarm4Unit	l10sysPlatformTBL.15	INTEGER	R/W	1 = UNIT1 2 = UNIT2 3 = UNIT3 4 = UNIT4 5 = ALL
l10sysPlatformAlarm1Ch	l10sysPlatformTBL.16	INTEGER	R/W	1 = A 2 = B 3 = A/B
l10sysPlatformAlarm2Ch	l10sysPlatformTBL.17	INTEGER	R/W	1 = A 2 = B 3 = A/B
l10sysPlatformAlarm3Ch	l10sysPlatformTBL.18	INTEGER	R/W	1 = A 2 = B 3 = A/B
l10sysPlatformAlarm4Ch	l10sysPlatformTBL.19	INTEGER	R/W	1 = A 2 = B 3 = A/B
l10sysPlatformErrorBeep	l10sysPlatformTBL.20	INTEGER	R/W	1 = ON 2 = OFF
l10sysLcdOff	l10systemTBL.7	INTEGER	R/WO	1 = LCD OFF
l10sysInit	l10systemTBL.8	INTEGER	R/WO	1 = Initialize
l10sysWindowMarker	l10systemTBL.9	INTEGER	R/W	1 = OFF 2 = BLUE 3 = WHITE

- l10systemTBL(2) group LV 58SER01A (SDI INPUT)

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10sysUnitSdiTBL	l10systemTBL.2	Aggregate	--	--
l10sysUnitSdiLinkFormat	l10sysUnitSdiTBL.1	INTEGER	R/W	1 = SINGLE 2 = DUAL 3 = 2K
l10sysUnitSdiIPSF	l10sysUnitSdiTBL.2	INTEGER	R/W	1 = INTERLACE 2 = SEG.FRAM
l10sysUnitSdiDualTBL	l10sysUnitSdiTBL.3	Aggregate	--	--
l10sysUnitSdiDualSystem	l10sysUnitSdiDualTBL.1	INTEGER	R/W	1 = GBR-444 2 = YCBCR-422
l10sysUnitSdiDualDepth	l10sysUnitSdiDualTBL.2	INTEGER	R/W	1 = 10B 2 = 12B
l10sysUnitSdiDualScan	l10sysUnitSdiDualTBL.3	INTEGER	R/W	1 = 1080I 2 = 1080PSF 3 = 1080P
l10sysUnitSdiInfoTimeCode	l10sysUnitSdiTBL.4	INTEGER	R/W	1 = REAL 2 = LTC 3 = VITC 4 = D-VITC
l10sysUnitSdiSelectOutput	l10sysUnitSdiTBL.5	INTEGER	R/W	1 = A 2 = A/B
l10sysUnitSdiErrTBL	l10sysUnitSdiTBL.6	Aggregate	--	--
l10sysUnitSdiErrTrs	l10sysUnitSdiErrTBL.1	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitSdiErrHdLine	l10sysUnitSdiErrTBL.2	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitSdiErrHdCrc	l10sysUnitSdiErrTBL.3	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitSdiErrSdEdh	l10sysUnitSdiErrTBL.4	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitSdiErrIllegalCode	l10sysUnitSdiErrTBL.5	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitSdiErrCableTBL	l10sysUnitSdiTBL.7	Aggregate	--	--
l10sysUnitSdiErrCable	l10sysUnitSdiErrCableTBL.1	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitSdiErrHdCable	l10sysUnitSdiErrCableTBL.2	INTEGER	R/W	1 = LS-5CFB 2 = 1694A 3 = L-7CHD
l10sysUnitSdiErrHdCableLength	l10sysUnitSdiErrCableTBL.3	INTEGER	R/W	5 to 200
l10sysUnitSdiErrHdCableWarn	l10sysUnitSdiErrCableTBL.4	INTEGER	R/W	5 to 200
l10sysUnitSdiErrSdCable	l10sysUnitSdiErrCableTBL.5	INTEGER	R/W	1 = L-5C2V 2 = 8281 3 = 1505A
l10sysUnitSdiErrSdCableLength	l10sysUnitSdiErrCableTBL.6	INTEGER	R/W	50 to 300
l10sysUnitSdiErrSdCableWarn	l10sysUnitSdiErrCableTBL.7	INTEGER	R/W	50 to 300
l10sysUnitSdiErrAncTBL	l10sysUnitSdiTBL.8	Aggregate	--	--
l10sysUnitSdiErrAncParity	l10sysUnitSdiErrAncTBL.1	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitSdiErrAncChecksum	l10sysUnitSdiErrAncTBL.2	INTEGER	R/W	1 = ON 2 = OFF

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10sysUnitSdiErrAudTBL	l10sysUnitSdiTBL.9	Aggregate	--	--
l10sysUnitSdiErrAudioBch	l10sysUnitSdiErrAudTBL.1	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitSdiErrAudioDbn	l10sysUnitSdiErrAudTBL.2	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitSdiErrAudioParity	l10sysUnitSdiErrAudTBL.3	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitSdiErrAudioInhibit	l10sysUnitSdiErrAudTBL.4	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitSdiErrGamutTBL	l10sysUnitSdiTBL.10	Aggregate	--	--
l10sysUnitSdiErrGamutLpf	l10sysUnitSdiErrGamutTBL.1	INTEGER	R/W	1 = HD1M-SD1M 2 = HD2.8M-SD1M 3 = OFF
l10sysUnitSdiErrGamut	l10sysUnitSdiErrGamutTBL.2	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitSdiErrGamutUpper	l10sysUnitSdiErrGamutTBL.3	OctetString	R/W	90.8 to 109.4
l10sysUnitSdiErrGamutLower	l10sysUnitSdiErrGamutTBL.4	OctetString	R/W	-7.2 to 6.1
l10sysUnitSdiErrGamutArea	l10sysUnitSdiErrGamutTBL.5	OctetString	R/W	0.1 to 5.0
l10sysUnitSdiErrGamutDuration	l10sysUnitSdiErrGamutTBL.6	INTEGER	R/W	1 to 60
l10sysUnitSdiErrCGamut	l10sysUnitSdiErrGamutTBL.7	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitSdiErrCGamutSetup	l10sysUnitSdiErrGamutTBL.8	INTEGER	R/W	1 = 0P 2 = 7.5P
l10sysUnitSdiErrCGamutUpper	l10sysUnitSdiErrGamutTBL.9	OctetString	R/W	90.0 to 135.0
l10sysUnitSdiErrCGamutLower	l10sysUnitSdiErrGamutTBL.10	OctetString	R/W	-40.0 to 20.0
l10sysUnitSdiErrCGamutArea	l10sysUnitSdiErrGamutTBL.11	OctetString	R/W	0.1 to 5.0
l10sysUnitSdiErrCGamutDuration	l10sysUnitSdiErrGamutTBL.12	INTEGER	R/W	1 to 60
l10sysUnitSdiErrFreezeTBL	l10sysUnitSdiTBL.11	Aggregate	--	--
l10sysUnitSdiErrFreeze	l10sysUnitSdiErrFreezeTBL.1	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitSdiErrFreezeUpper	l10sysUnitSdiErrFreezeTBL.2	INTEGER	R/W	0 to 100
l10sysUnitSdiErrFreezeLower	l10sysUnitSdiErrFreezeTBL.3	INTEGER	R/W	0 to 100
l10sysUnitSdiErrFreezeLeft	l10sysUnitSdiErrFreezeTBL.4	INTEGER	R/W	0 to 100
l10sysUnitSdiErrFreezeRight	l10sysUnitSdiErrFreezeTBL.5	INTEGER	R/W	0 to 100
l10sysUnitSdiErrFreezeDuration	l10sysUnitSdiErrFreezeTBL.6	INTEGER	R/W	2 to 300
l10sysUnitSdiErrBlackTBL	l10sysUnitSdiTBL.12	Aggregate	--	--
l10sysUnitSdiErrBlack	l10sysUnitSdiErrBlackTBL.1	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitSdiErrBlackLevel	l10sysUnitSdiErrBlackTBL.2	INTEGER	R/W	0 to 100
l10sysUnitSdiErrBlackArea	l10sysUnitSdiErrBlackTBL.3	INTEGER	R/W	1 to 100
l10sysUnitSdiErrBlackDuration	l10sysUnitSdiErrBlackTBL.4	INTEGER	R/W	1 to 300
l10sysUnitSdiErrLevelTBL	l10sysUnitSdiTBL.13	Aggregate	--	--
l10sysUnitSdiErrLevel	l10sysUnitSdiErrLevelTBL.1	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitSdiErrLevelRumaUpper	l10sysUnitSdiErrLevelTBL.2	INTEGER	R/W	-51 to 766
l10sysUnitSdiErrLevelRumaLower	l10sysUnitSdiErrLevelTBL.3	INTEGER	R/W	-51 to 766
l10sysUnitSdiErrLevelChromaUpper	l10sysUnitSdiErrLevelTBL.4	INTEGER	R/W	-400 to 399
l10sysUnitSdiErrLevelChromaLower	l10sysUnitSdiErrLevelTBL.5	INTEGER	R/W	-400 to 399

- l10systemTBL(2) group LV 58SER40A (DIGITAL AUDIO)

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10sysUnitAudioTBL	l10systemTBL.3	Aggregate	--	--
l10sysUnitAudioExtBnc	l10sysUnitAudioTBL.1	INTEGER	R/W	1 = INPUT 2 = OUTPUT
l10sysUnitAudioErrHdTBL	l10sysUnitAudioTBL.2	Aggregate	--	--
l10sysUnitAudioErrorLevelOver	l10sysUnitAudioErrHdTBL.1	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitAudioErrorClip	l10sysUnitAudioErrHdTBL.2	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitAudioErrorClipDuration	l10sysUnitAudioErrHdTBL.3	INTEGER	R/W	1 to 100
l10sysUnitAudioErrorMute	l10sysUnitAudioErrHdTBL.4	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitAudioErrorMuteDuration	l10sysUnitAudioErrHdTBL.5	INTEGER	R/W	1 to 5000
l10sysUnitAudioErrorParity	l10sysUnitAudioErrHdTBL.6	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitAudioErrorValidity	l10sysUnitAudioErrHdTBL.7	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitAudioErrorCrc	l10sysUnitAudioErrHdTBL.8	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitAudioErrorCode	l10sysUnitAudioErrHdTBL.9	INTEGER	R/W	1 = ON 2 = OFF

- l10systemTBL(2) group LV 58SER02 (EYE PATTERN unit)

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10sysUnitEyeTBL	l10systemTBL.4	Aggregate	--	--
l10sysUnitEyeErrHdTBL	l10sysUnitEyeTBL.1	Aggregate	--	--
l10sysUnitEyeErrHdAmp	l10sysUnitEyeErrHdTBL.1	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitEyeErrHdAmpUpper	l10sysUnitEyeErrHdTBL.2	INTEGER	R/W	80 to 140
l10sysUnitEyeErrHdAmpLower	l10sysUnitEyeErrHdTBL.3	INTEGER	R/W	40 to 100
l10sysUnitEyeErrHdRise	l10sysUnitEyeErrHdTBL.4	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitEyeErrHdRiseMax	l10sysUnitEyeErrHdTBL.5	INTEGER	R/W	40 to 140
l10sysUnitEyeErrHdFall	l10sysUnitEyeErrHdTBL.6	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitEyeErrHdFallMax	l10sysUnitEyeErrHdTBL.7	INTEGER	R/W	40 to 140
l10sysUnitEyeErrHdDelta	l10sysUnitEyeErrHdTBL.8	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitEyeErrHdDeltaMax	l10sysUnitEyeErrHdTBL.9	INTEGER	R/W	40 to 140
l10sysUnitEyeErrHdTimingJit	l10sysUnitEyeErrHdTBL.10	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitEyeErrHdTimingJitMax	l10sysUnitEyeErrHdTBL.11	INTEGER	R/W	10 to 200
l10sysUnitEyeErrHdCurrentJit	l10sysUnitEyeErrHdTBL.12	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitEyeErrHdCurrentJitMax	l10sysUnitEyeErrHdTBL.13	INTEGER	R/W	10 to 200
l10sysUnitEyeErrSdTBL	l10sysUnitEyeTBL.2	Aggregate	--	--
l10sysUnitEyeErrSdAmp	l10sysUnitEyeErrSdTBL.1	INTEGER	R/W	1= ON 2 = OFF
l10sysUnitEyeErrSdAmpUpper	l10sysUnitEyeErrSdTBL.2	INTEGER	R/W	80 to 140
l10sysUnitEyeErrSdAmpLower	l10sysUnitEyeErrSdTBL.3	INTEGER	R/W	40 to 100
l10sysUnitEyeErrSdRise	l10sysUnitEyeErrSdTBL.4	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitEyeErrSdRiseMax	l10sysUnitEyeErrSdTBL.5	INTEGER	R/W	40 to 140
l10sysUnitEyeErrSdFall	l10sysUnitEyeErrSdTBL.6	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitEyeErrSdFallMax	l10sysUnitEyeErrSdTBL.7	INTEGER	R/W	40 to 140
l10sysUnitEyeErrSdDelta	l10sysUnitEyeErrSdTBL.8	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitEyeErrSdDeltaMax	l10sysUnitEyeErrSdTBL.9	INTEGER	R/W	40 to 140
l10sysUnitEyeErrSdTimingJit	l10sysUnitEyeErrSdTBL.10	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitEyeErrSdTimingJitMax	l10sysUnitEyeErrSdTBL.11	INTEGER	R/W	10 to 200
l10sysUnitEyeErrSdCurrentJit	l10sysUnitEyeErrSdTBL.12	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitEyeErrSdCurrentJitMax	l10sysUnitEyeErrSdTBL.13	INTEGER	R/W	10 to 200

- l10systemTBL(2) Group LV 58SER04 (MPEG DECODER)

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10sysUnitMpegTBL	l10systemTBL.11	Aggregate	--	--
l10sysUnitMpegSemiAutoSearch	l10sysUnitMpegTBL.1	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitMpegErrSyncByte	l10sysUnitMpegTBL.2	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitMpegErrContinuity	l10sysUnitMpegTBL.3	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitMpegErrPat	l10sysUnitMpegTBL.4	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitMpegErrPatCycle	l10sysUnitMpegTBL.5	INTEGER	R/W	100 to 800
l10sysUnitMpegErrPmt	l10sysUnitMpegTBL.6	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitMpegErrPmtCycle	l10sysUnitMpegTBL.7	INTEGER	R/W	100 to 800
l10sysUnitMpegErrPid	l10sysUnitMpegTBL.8	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitMpegErrPidCycle	l10sysUnitMpegTBL.9	INTEGER	R/W	1 to 20
l10sysUnitMpegErrTransport	l10sysUnitMpegTBL.10	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitMpegErrCrc	l10sysUnitMpegTBL.11	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitMpegErrPcr	l10sysUnitMpegTBL.12	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitMpegErrPcrCycle	l10sysUnitMpegTBL.13	INTEGER	R/W	10 to 200
l10sysUnitMpegErrAccuracy	l10sysUnitMpegTBL.14	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitMpegErrPts	l10sysUnitMpegTBL.15	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitMpegErrPtsCycle	l10sysUnitMpegTBL.16	INTEGER	R/W	100 to 800
l10sysUnitMpegErrCat	l10sysUnitMpegTBL.17	INTEGER	R/W	1 = ON 2 = OFF
l10sysUnitMpegErrCatCycle	l10sysUnitMpegTBL.18	OctetString	R/W	0.1 to 20.0

- l10wfmTBL(3) group * Valid when MODE of DISPLAY selected is WFM.

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10wfmDispTBL	l10wfmTBL.1	Aggregate	--	--
l10wfmDispCh1	l10wfmDispTBL.1	INTEGER	R/W	1 = ON 2 = OFF
l10wfmDispCh2	l10wfmDispTBL.2	INTEGER	R/W	1 = ON 2 = OFF
l10wfmDispCh3	l10wfmDispTBL.3	INTEGER	R/W	1 = ON 2 = OFF
l10wfmDispOvlay	l10wfmDispTBL.4	INTEGER	R/W	1 = ON 2 = OFF
l10wfmIntenTBL	l10wfmTBL.2	Aggregate	--	--
l10wfmIntenWfm	l10wfmIntenTBL.1	INTEGER	R/W	-128 to 127
l10wfmIntenScale	l10wfmIntenTBL.2	INTEGER	R/W	-8 to 7

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10wfmScaleTBL	l10wfmTBL.3	Aggregate	--	--
l10wfmScaleUnit	l10wfmScaleTBL.1	INTEGER	R/W	1 = HDV-SDP 2 = HDV-SDV 3 = HDP-SDP
l10wfmScaleColor75per	l10wfmScaleTBL.2	INTEGER	R/W	1 = ON 2 = OFF
l10wfmScaleColor	l10wfmScaleTBL.3	INTEGER	R/W	1 = WHITE 2 = YELLOW 3 = CYAN 4 = GREEN 5 = MAGENTA 6 = RED 7 = BLUE
l10wfmColor	l10wfmScaleTBL.4	INTEGER	R/W	1 = WHITE 2 = GREEN 3 = MULTI
l10wfmGainTBL	l10wfmTBL.4	Aggregate	--	--
l10wfmGainVar	l10wfmGainTBL.1	INTEGER	R/W	1 = CAL 2 = VAR
l10wfmGainVal	l10wfmGainTBL.2	OctetString	R/W	0.200 to 2.000
l10wfmGainMag	l10wfmGainTBL.3	INTEGER	R/W	1 = X1 2 = X5
l10wfmSweepTBL	l10wfmTBL.5	Aggregate	--	--
l10wfmSweepSweep	l10wfmSweepTBL.1	INTEGER	R/W	1 = H 2 = V
l10wfmSweepHSweep	l10wfmSweepTBL.2	INTEGER	R/W	1 = 1H 2 = 2H
l10wfmSweepVSweep	l10wfmSweepTBL.3	INTEGER	R/W	1 = 1V 2 = 2V
l10wfmSweepField	l10wfmSweepTBL.4	INTEGER	R/W	1 = FIELD1 2 = FIELD2
l10wfmSweepHMag	l10wfmSweepTBL.5	INTEGER	R/W	1 = X1 2 = X10 3 = X20 4 = ACTIVE 5 = BLANK
l10wfmSweepVMag	l10wfmSweepTBL.6	INTEGER	R/W	1 = X1 2 = X20 3 = X40
l10wfmLineSelTBL	l10wfmTBL.6	Aggregate	--	--
l10wfmLineSelect	l10wfmLineSelTBL.1	INTEGER	R/W	1 = ON 2 = OFF
l10wfmLineField	l10wfmLineSelTBL.2	INTEGER	R/W	1 = FIELD1 2 = FIELD2 3 = FRAME

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10wfmLineNumber	l10wfmLineSelTBL.3	INTEGER	R/W	1 to 1125
l10wfmFilterTBL	l10wfmTBL.7	Aggregate	--	--
l10wfmFilterNormal	l10wfmFilterTBL.1	INTEGER	R/W	1 = FLAT 2 = LOWPASS
l10wfmFilterComposite	l10wfmFilterTBL.2	INTEGER	R/W	1 = FLAT 2 = FLAT-LUM 3 = FLAT-CHROMA
l10wfmBlankingTBL	l10wfmTBL.8	Aggregate	--	--
l10wfmBlankingNormal	l10wfmBlankingTBL.1	INTEGER	R/W	1 = REMOVE 2 = H-VIEW 3 = V-VIEW 4 = ALL-VIEW
l10wfmBlankingComposite	l10wfmBlankingTBL.2	INTEGER	R/W	1 = REMOVE 2 = V-VIEW
l10wfmPersistTBL	l10wfmTBL.9	Aggregate	--	--
l10wfmPersistence	l10wfmPersistTBL.1	INTEGER	R/W	1 = ON 2 = OFF 3 = INFINIT
l10wfmPersistClear	l10wfmPersistTBL.2	INTEGER	R/WO	1 = PERSIST CLEAR
l10wfmSpecialForm	l10wfmTBL.10	INTEGER	R/W	1 = NORMAL 2 = TIMING 4 = 4Y-PARADE 5 = 4-PARADE
l10wfmMatrixTBL	l10wfmTBL.11	Aggregate	--	--
l10wfmMatrix	l10wfmMatrixTBL.1	INTEGER	R/W	1 = YCBCR 2 = GBR 3 = RGB 4 = COMPOSITE
l10wfmMatrixYgbr	l10wfmMatrixTBL.2	INTEGER	R/W	1 = ON 2 = OFF
l10wfmMatrixYrgb	l10wfmMatrixTBL.3	INTEGER	R/W	1 = ON 2 = OFF
l10wfmMatrixSetup	l10wfmMatrixTBL.4	INTEGER	R/W	1 = 0P 2 = 7.5P
l10wfmMatrixCompositeFormat	l10wfmMatrixTBL.5	INTEGER	R/W	1 = AUTO 2 = NTSC 3 = PAL

- l10vectorTBL(4) group * Valid when MODE of DISPLAY selected is VECTOR.

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10vecIntenTBL	l10vectorTBL.1	Aggregate	--	--
l10vecIntenVector	l10vecIntenTBL.1	INTEGER	R/W	-128 to 127
l10vecIntenScale	l10vecIntenTBL.2	INTEGER	R/W	-8 to 7
l10vecScaleTBL	l10vectorTBL.2	Aggregate	--	--
l10vecScaleIq	l10vecScaleTBL.1	INTEGER	R/W	1 = ON 2 = OFF
l10vecScaleColor	l10vecScaleTBL.2	INTEGER	R/W	1 = WHITE 2 = YELLOW 3 = CYAN 4 = GREEN 5 = MAGENTA 6 = RED 7 = BLUE
l10vecColor	l10vecScaleTBL.3	INTEGER	R/W	1 = WHITE 2 = GREEN

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10vecGainTBL	l10vectorTBL.3	Aggregate	--	--
l10vecGainVar	l10vecGainTBL.1	INTEGER	R/W	1 = CAL 2 = VAR
l10vecGainVal	l10vecGainTBL.2	OctetStrin	R/W	0.200 to 2.000
l10vecGainMag	l10vecGainTBL.3	INTEGER	R/W	1 = X1 2 = X5 3 = IQ
l10vecLineSelTBL	l10vectorTBL.4	Aggregate	--	--
l10vecLineSelect	l10vecLineSelTBL.1	INTEGER	R/W	1 = ON 2 = OFF
l10vecLineField	l10vecLineSelTBL.2	INTEGER INTEGER	R/W	1 = FIELD1 2 = FIELD2 3 = FRAME
l10vecLineNumber	l10vecLineSelTBL.3	INTEGER	R/W	1 to 1125
l10vecMatixTBL	l10vectorTBL.5	Aggregate	--	--
l10vecMatrix	l10vecMatixTBL.1	INTEGER	R/W	1 = COMPONENT 2 = COMPOSITE
l10vecMatrixSetup	l10vecMatixTBL.2	INTEGER	R/W	1 = 0P 2 = 7.5P
l10vecMatrixColorbar	l10vecMatixTBL.3	INTEGER	R/W	1 = 100P 2 = 75P
l10vecMatrixCompositeFormat	l10vecMatixTBL.4	INTEGER	R/W	1 = AUTO 2 = NTSC 3 = PAL
l10vecMode	l10vectorTBL.6	INTEGER	R/W	1 = VECTOR 2 = 5BAR
l10vecPersistTBL	l10vectorTBL.7	Aggregate	--	--
l10vecPersistence	l10vecPersistTBL.1	INTEGER	R/W	1 = ON 2 = OFF 3 = INFINIT
l10vecPersistClear	l10vecPersistTBL.2	INTEGER	R/WO	1 = PERSIST CLEAR
l10vec5BarTBL	l10vectorTBL.8	Aggregate	--	--
l10vec5BarMatrix	l10vec5BarTBL.1	INTEGER	R/W	1 = GBR 2 = RGB
l10vec5BarUnit	l10vec5BarTBL.2	INTEGER	R/W	1 = MV 2 = PER
l10vecAnalogTBL	l10vectorTBL.9	Aggregate	--	--
l10vecAnalogFdMode	l10vecAnalogTBL.1	INTEGER	R/W	1 = PHASE 2 = LINE-SELECT
l10vecAnalogPhase	l10vecAnalogTBL.2	OctetString	R/W	0.0 to 359.9
l10vecAnalogNtscDisplay	l10vecAnalogTBL.3	INTEGER	R/W	1 = ON 2 = OFF
l10vecSch	l10vecAnalogTBL.4	INTEGER	R/W	1 = ON 2 = OFF

- l10pictureTBL(5) group * Valid when MODE of DISPLAY selected is PICTURE.

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10picBright	l10pictureTBL.1	INTEGER	R/W	-30 to 30
l10picContrast	l10pictureTBL.2	OctetString	R/W	0.70 to 1.30
l10picGainTBL	l10pictureTBL.3	Aggregate	--	--
l10picGainRed	l10picGainTBL.1	OctetString	R/W	0.70 to 1.30
l10picGainGreen	l10picGainTBL.2	OctetString	R/W	0.70 to 1.30
l10picGainBlue	l10picGainTBL.3	OctetString	R/W	0.70 to 1.30
l10picBiasTBL	l10pictureTBL.4	Aggregate	--	--
l10picBiasRed	l10picBiasTBL.1	OctetString	R/W	-0.30 to 0.30
l10picBiasGreen	l10picBiasTBL.2	OctetString	R/W	-0.30 to 0.30
l10picBiasBlue	l10picBiasTBL.3	OctetString	R/W	-0.30 to 0.30
l10picMarkerTBL	l10pictureTBL.5	Aggregate	--	--
l10picMarker43	l10picMarkerTBL.1	INTEGER	R/W	1 = ON 2 = OFF
l10picMarker169	l10picMarkerTBL.2	INTEGER	R/W	1 = ON 2 = OFF
l10picMarkerSafeAction	l10picMarkerTBL.3	INTEGER	R/W	1 = ON 2 = OFF
l10picMarkerSafeTitle	l10picMarkerTBL.4	INTEGER	R/W	1 = ON 2 = OFF
l10picMarkerSafeCenter	l10picMarkerTBL.5	INTEGER	R/W	1 = ON 2 = OFF
l10picLineSelTBL	l10pictureTBL.6	Aggregate	--	--
l10picLineSelect	l10picLineSelTBL.1	INTEGER	R/W	1 = ON 2 = OFF
l10picLineField	l10picLineSelTBL.2	INTEGER	R/W	1 = FIELD1 2 = FIELD2 3 = FRAME
l10picLineNumber	l10picLineSelTBL.2	INTEGER	R/W	1 to 1125
l10picSize	l10pictureTBL.7	INTEGER	R/W	1 = FIT 2 = REAL 3 = FULL-FRM
l10picSImpsTBL	l10pictureTBL.8	Aggregate	--	--
l10picSImpsStd	l10picSImpsTBL.1	INTEGER	R/W	1 = OFF 2 = SMPTE 3 = ARIB
l10picSImpsFmtSmpte	l10picSImpsTBL.2	INTEGER	R/W	1 = FMT-608-708 2 = FMT-608-608 3 = FMT-VBI 4 = FMT-708
l10picSImpsDisp608	l10picSImpsTBL.3	INTEGER	R/W	1 = CC1 2 = CC2 3 = CC3 4 = CC4 5 = TEXT1 6 = TEXT2 7 = TEXT3 8 = TEXT4
l10picSImpsFmtArib	l10picSImpsTBL.4	INTEGER	R/W	1 = HD 2 = SD 3 = ANALOG 4 = CELLULAR
l10picSImpsDispArib	l10picSImpsTBL.5	INTEGER	R/W	1 to 2
l10picSImpsDisp708	l10picSImpsTBL.6	INTEGER	R/W	1 to 63

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10picGamutTBL	l10pictureTBL.9	Aggregate	--	--
l10picGamutError	l10picGamutTBL.1	INTEGER	R/W	1 = ON 2 = OFF
l10picGamutPattern	l10picGamutTBL.2	INTEGER	R/W	1 = WHITE 2 = RED 3 = MESH
l10picDispTBL	l10pictureTBL.10	Aggregate	--	--
l10picDispAfd	l10picDispTBL.1	INTEGER	R/W	1 = ON 2 = OFF

- l10audioTBL(6) group * Valid when MODE of DISPLAY selected is AUDIO.

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10audChSelTBL	l10audioTBL.1	Aggregate	--	--
l10audChSelNunmer	l10audChSelTBL.1	INTEGER	R/W	1 = 8CH 2 = 16CH
l10audChSelDisplay	l10audChSelTBL.2	INTEGER	R/W	1 = 1-8CH 2 = 9-16CH
l10audDisplayMode	l10audioTBL.2	INTEGER	R/W	1 = LISSAJOU 2 = S-IMAGE 3 = STATUS 4 = METER
l10audMeterTBL	l10audioTBL.3	Aggregate	--	--
l10audMeterDRange	l10audMeterTBL.1	INTEGER	R/W	1 = -60DBFS 2 = -90DBFS
l10audMeterResponse	l10audMeterTBL.2	INTEGER	R/W	1 = TRUE PEAK 2 = PPM 3 = VU+TRUE 4 = VU+PPM 5 = PPM(I) 6 = PPM(II) 7 = VU+PPM(I) 8 = VU+PPM(II) 9 = LOUDNESS-F 10 = LOUDNESS-S
l10audMeterPeakHold	l10audMeterTBL.3	INTEGER	R/W	1 = 0.5SEC 2 = 1SEC 3 = 1.5SEC 4 = 2SEC 5 = 2.5SEC 6 = 3SEC 7 = 3.5SEC 8 = 4SEC 9 = 4.5SEC 10 = 5SEC 11 = HOLD
l10audMeterOverLevel	l10audMeterTBL.4	OctetString	R/W	-40.0 to 0.0
l10audMeterWarningLevel	l10audMeterTBL.5	OctetString	R/W	-40.0 to 0.0
l10audMeterRefLevel	l10audMeterTBL.6	OctetString	R/W	-40.0 to 0.0
l10audLissajouTBL	l10audioTBL.4	Aggregate	--	--
l10audLissajouIntenTBL	l10audLissajouTBL.1	Aggregate	--	--
l10audLissajouIntenLissajou	l10audLissajouIntenTBL.1	INTEGER	R/W	-128 to 127
l10audLissajouIntenScale	l10audLissajouIntenTBL.2	INTEGER	R/W	-8 to 7
l10audLissajouDisplay	l10audLissajouTBL.2	INTEGER	R/W	1 = SINGLE 2 = MULTI

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10audLissajouForm	l10audLissajouTBL.3	INTEGER	R/W	1 = X-Y 2 = MATRIX
l10audLissajouAutoGain	l10audLissajouTBL.4	INTEGER	R/W	1 = ON 2 = OFF
l10audLissajouMapTBL	l10audLissajouTBL.5	Aggregate	--	--
l10audlissajouMapSingleL	l10audLissajouMapTBL.1	INTEGER	R/W	1 = CH1 2 = CH2 3 = CH3 4 = CH4 5 = CH5 6 = CH6 7 = CH7 8 = CH8 9 = CH9 10 = CH10 11 = CH11 12 = CH12 13 = CH13 14 = CH14 15 = CH15 16 = CH16 17 = LT
l10audlissajouMapSingleR	l10audLissajouMapTBL.2	INTEGER	R/W	1 = CH1 2 = CH2 3 = CH3 4 = CH4 5 = CH5 6 = CH6 7 = CH7 8 = CH8 9 = CH9 10 = CH10 11 = CH11 12 = CH12 13 = CH13 14 = CH14 15 = CH15 16 = CH16 17 = RT
l10audlissajouMapMultiL1	l10audLissajouMapTBL.3	INTEGER	R/W	1 = CH1 2 = CH2 3 = CH3 4 = CH4 5 = CH5 6 = CH6 7 = CH7 8 = CH8 9 = CH9 10 = CH10 11 = CH11 12 = CH12 13 = CH13 14 = CH14 15 = CH15 16 = CH16

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10audlissajouMapMultiR1	l10audLissajouMapTBL.4	INTEGER	R/W	1 = CH1 2 = CH2 3 = CH3 4 = CH4 5 = CH5 6 = CH6 7 = CH7 8 = CH8 9 = CH9 10 = CH10 11 = CH11 12 = CH12 13 = CH13 14 = CH14 15 = CH15 16 = CH16
l10audlissajouMapMultiL2	l10audLissajouMapTBL.5	INTEGER	R/W	1 = CH1 2 = CH2 3 = CH3 4 = CH4 5 = CH5 6 = CH6 7 = CH7 8 = CH8 9 = CH9 10 = CH10 11 = CH11 12 = CH12 13 = CH13 14 = CH14 15 = CH15 16 = CH16
l10audlissajouMapMultiR2	l10audLissajouMapTBL.6	INTEGER	R/W	1 = CH1 2 = CH2 3 = CH3 4 = CH4 5 = CH5 6 = CH6 7 = CH7 8 = CH8 9 = CH9 10 = CH10 11 = CH11 12 = CH12 13 = CH13 14 = CH14 15 = CH15 16 = CH16

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10audlissajouMapMultiL3	l10audLissajouMapTBL.7	INTEGER	R/W	1 = CH1 2 = CH2 3 = CH3 4 = CH4 5 = CH5 6 = CH6 7 = CH7 8 = CH8 9 = CH9 10 = CH10 11 = CH11 12 = CH12 13 = CH13 14 = CH14 15 = CH15 16 = CH16
l10audlissajouMapMultiR3	l10audLissajouMapTBL.8	INTEGER	R/W	1 = CH1 2 = CH2 3 = CH3 4 = CH4 5 = CH5 6 = CH6 7 = CH7 8 = CH8 9 = CH9 10 = CH10 11 = CH11 12 = CH12 13 = CH13 14 = CH14 15 = CH15 16 = CH16
l10audlissajouMapMultiL4	l10audLissajouMapTBL.9	INTEGER	R/W	1 = CH1 2 = CH2 3 = CH3 4 = CH4 5 = CH5 6 = CH6 7 = CH7 8 = CH8 9 = CH9 10 = CH10 11 = CH11 12 = CH12 13 = CH13 14 = CH14 15 = CH15 16 = CH16

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10audlissajouMapMultiR4	l10audLissajouMapTBL.10	INTEGER	R/W	1 = CH1 2 = CH2 3 = CH3 4 = CH4 5 = CH5 6 = CH6 7 = CH7 8 = CH8 9 = CH9 10 = CH10 11 = CH11 12 = CH12 13 = CH13 14 = CH14 15 = CH15 16 = CH16
l10audlissajouMapMultiL5	l10audLissajouMapTBL.11	INTEGER	R/W	1 = CH1 2 = CH2 3 = CH3 4 = CH4 5 = CH5 6 = CH6 7 = CH7 8 = CH8 9 = CH9 10 = CH10 11 = CH11 12 = CH12 13 = CH13 14 = CH14 15 = CH15 16 = CH16
l10audlissajouMapMultiR5	l10audLissajouMapTBL.12	INTEGER	R/W	1 = CH1 2 = CH2 3 = CH3 4 = CH4 5 = CH5 6 = CH6 7 = CH7 8 = CH8 9 = CH9 10 = CH10 11 = CH11 12 = CH12 13 = CH13 14 = CH14 15 = CH15 16 = CH16

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10audlissajouMapMultiL6	l10audLissajouMapTBL.13	INTEGER	R/W	1 = CH1 2 = CH2 3 = CH3 4 = CH4 5 = CH5 6 = CH6 7 = CH7 8 = CH8 9 = CH9 10 = CH10 11 = CH11 12 = CH12 13 = CH13 14 = CH14 15 = CH15 16 = CH16
l10audlissajouMapMultiR6	l10audLissajouMapTBL.14	INTEGER	R/W	1 = CH1 2 = CH2 3 = CH3 4 = CH4 5 = CH5 6 = CH6 7 = CH7 8 = CH8 9 = CH9 10 = CH10 11 = CH11 12 = CH12 13 = CH13 14 = CH14 15 = CH15 16 = CH16
l10audlissajouMapMultiL7	l10audLissajouMapTBL.15	INTEGER	R/W	1 = CH1 2 = CH2 3 = CH3 4 = CH4 5 = CH5 6 = CH6 7 = CH7 8 = CH8 9 = CH9 10 = CH10 11 = CH11 12 = CH12 13 = CH13 14 = CH14 15 = CH15 16 = CH16

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10audlissajouMapMultiR7	l10audLissajouMapTBL.16	INTEGER	R/W	1 = CH1 2 = CH2 3 = CH3 4 = CH4 5 = CH5 6 = CH6 7 = CH7 8 = CH8 9 = CH9 10 = CH10 11 = CH11 12 = CH12 13 = CH13 14 = CH14 15 = CH15 16 = CH16
l10audlissajouMapMultiL8	l10audLissajouMapTBL.17	INTEGER	R/W	1 = CH1 2 = CH2 3 = CH3 4 = CH4 5 = CH5 6 = CH6 7 = CH7 8 = CH8 9 = CH9 10 = CH10 11 = CH11 12 = CH12 13 = CH13 14 = CH14 15 = CH15 16 = CH16
l10audlissajouMapMultiR8	l10audLissajouMapTBL.18	INTEGER	R/W	1 = CH1 2 = CH2 3 = CH3 4 = CH4 5 = CH5 6 = CH6 7 = CH7 8 = CH8 9 = CH9 10 = CH10 11 = CH11 12 = CH12 13 = CH13 14 = CH14 15 = CH15 16 = CH16
l10audSImageTBL	l10audioTBL.5	Aggregate	--	--
l10audSImageIntenTBL	l10audSImageTBL.1	Aggregate	--	--
l10audSImageIntenSImage	l10audSImageIntenTBL.1	INTEGER	R/W	-128 to 127
l10audSImageIntenScale	l10audSImageIntenTBL.2	INTEGER	R/W	-8 to 7
l10audSImageSurround	l10audSImageTBL.2	INTEGER	R/W	1 = 3-1 2 = 3-2 3 = 3-2-2
l10audSImageAutoGain	l10audSImageTBL.3	INTEGER	R/W	1 = ON 2 = OFF

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10audSImageMapTBL	l10audSImageTBL.4	Aggregate	--	--
l10audSImageMapL	l10audSImageMapTBL.1	INTEGER	R/W	1 = CH1 2 = CH2 3 = CH3 4 = CH4 5 = CH5 6 = CH6 7 = CH7 8 = CH8 9 = CH9 10 = CH10 11 = CH11 12 = CH12 13 = CH13 14 = CH14 15 = CH15 16 = CH16
l10audSImageMapR	l10audSImageMapTBL.2	INTEGER	R/W	1 = CH1 2 = CH2 3 = CH3 4 = CH4 5 = CH5 6 = CH6 7 = CH7 8 = CH8 9 = CH9 10 = CH10 11 = CH11 12 = CH12 13 = CH13 14 = CH14 15 = CH15 16 = CH16
l10audSImageMapLs	l10audSImageMapTBL.3	INTEGER	R/W	1 = CH1 2 = CH2 3 = CH3 4 = CH4 5 = CH5 6 = CH6 7 = CH7 8 = CH8 9 = CH9 10 = CH10 11 = CH11 12 = CH12 13 = CH13 14 = CH14 15 = CH15 16 = CH16

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10audSImageMapRs	l10audSImageMapTBL.4	INTEGER	R/W	1 = CH1 2 = CH2 3 = CH3 4 = CH4 5 = CH5 6 = CH6 7 = CH7 8 = CH8 9 = CH9 10 = CH10 11 = CH11 12 = CH12 13 = CH13 14 = CH14 15 = CH15 16 = CH16
l10audSImageMapC	l10audSImageMapTBL.5	INTEGER	R/W	1 = CH1 2 = CH2 3 = CH3 4 = CH4 5 = CH5 6 = CH6 7 = CH7 8 = CH8 9 = CH9 10 = CH10 11 = CH11 12 = CH12 13 = CH13 14 = CH14 15 = CH15 16 = CH16
l10audSImageMapLfe	l10audSImageMapTBL.6	INTEGER	R/W	1 = CH1 2 = CH2 3 = CH3 4 = CH4 5 = CH5 6 = CH6 7 = CH7 8 = CH8 9 = CH9 10 = CH10 11 = CH11 12 = CH12 13 = CH13 14 = CH14 15 = CH15 16 = CH16

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10audSImageMapLl	l10audSImageMapTBL.7	INTEGER	R/W	1 = CH1 2 = CH2 3 = CH3 4 = CH4 5 = CH5 6 = CH6 7 = CH7 8 = CH8 9 = CH9 10 = CH10 11 = CH11 12 = CH12 13 = CH13 14 = CH14 15 = CH15 16 = CH16
l10audSImageMapRr	l10audSImageMapTBL.8	INTEGER	R/W	1 = CH1 2 = CH2 3 = CH3 4 = CH4 5 = CH5 6 = CH6 7 = CH7 8 = CH8 9 = CH9 10 = CH10 11 = CH11 12 = CH12 13 = CH13 14 = CH14 15 = CH15 16 = CH16
l10audStatusTBL	l10audioTBL.6	Aggregate	--	--
l10audStatusDisplay	l10audStatusTBL.1	INTEGER	R/W	1 = DEFAULT 2 = CH-STATUS 3 = USER-BIT
l10audStatusChStatus	l10audStatusTBL.2	INTEGER	R/W	1 = CH1 2 = CH2 3 = CH3 4 = CH4 5 = CH5 6 = CH6 7 = CH7 8 = CH8 9 = CH9 10 = CH10 11 = CH11 12 = CH12 13 = CH13 14 = CH14 15 = CH15 16 = CH16

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10audStatusUserBit	l10audStatusTBL.3	INTEGER	R/W	1 = CH1 2 = CH2 3 = CH3 4 = CH4 5 = CH5 6 = CH6 7 = CH7 8 = CH8 9 = CH9 10 = CH10 11 = CH11 12 = CH12 13 = CH13 14 = CH14 15 = CH15 16 = CH16
l10audStatusErrorReset	l10audStatusTBL.4	INTEGER	R/WO	1 = Error Reset
l10audStatusStatusAlign	l10audStatusTBL.5	INTEGER	R/W	1 = LSB 1st 2 = MSB 1st
l10audStatusUserAlign	l10audStatusTBL.6	INTEGER	R/W	1 = LSB 1st 2 = MSB 1st
l10audPhonesTBL	l10audioTBL.7	Aggregate	--	--
l10audioPhonesVolume	l10audPhonesTBL.1	INTEGER	R/W	-128 to 127
l10audPhonesLRCh	l10audPhonesTBL.2	INTEGER	R/W	1 = ch1-2 2 = ch3-4 3 = ch5-6 4 = ch7-8 5 = ch9-10 6 = ch11-12 7 = ch13-14 8 = ch15-16 9 = Lt/Rt 10 = AUX1/AUX2 11 = L/R
l10audDolbyTBL	l10audioTBL.8	Aggregate	--	--
l10audDolbyMode	l10audDolbyTBL.1	INTEGER	R/W	1 = E 2 = OFF 3 = AC-3
l10audDolbyGroup	l10audDolbyTBL.2	INTEGER	R/W	1 = ch1-2 2 = ch3-4 3 = ch5-6 4 = ch7-8 5 = ch9-10 6 = ch11-12 7 = ch13-14 8 = ch15-16
l10audDolbyEDialnorm	l10audDolbyTBL.3	INTEGER	R/W	1 = ON 2 = OFF
l10audDolbyEPulldown	l10audDolbyTBL.4	INTEGER	R/W	1 = ON 2 = OFF

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10audDolbyEMetaPrm	l10audDolbyTBL.5	INTEGER	R/W	1 = PRM1 2 = PRM2 3 = PRM3 4 = PRM4 5 = PRM5 6 = PRM6 7 = PRM7 8 = PRM8
l10audDolbyDListening	l10audDolbyTBL.6	INTEGER	R/W	1 = FULL 2 = EX 3 = 3stereo 4 = PHANTOM 5 = STEREO 6 = MONO
l10audDolbyDPrologic	l10audDolbyTBL.7	INTEGER	R/W	1 = ON 2 = OFF
l10audDolbyDDrc	l10audDolbyTBL.8	INTEGER	R/W	1 = BYPASS 2 = LINE 3 = RF
l10audDolbyAuxCh	l10audDolbyTBL.9	INTEGER	R/W	1 = LtRt 2 = LoRo 3 = MONO 4 = MUTE
l10audDolbyAuxChDrc	l10audDolbyTBL.10	INTEGER	R/W	1 = LINE 2 = RF
l10audDolbyEbiMetaPrm	l10audDolbyTBL.11	INTEGER	R/W	1 = PRM1 2 = PRM2 3 = PRM3 4 = PRM4 5 = PRM5 6 = PRM6 7 = PRM7 8 = PRM8
l10audInputSelect	l10audioTBL.9	INTEGER	R/W	1 = DIGITAL 2 = ANALOG

- l10statusTBL(7) group * Valid when MODE of DISPLAY selected is STATUS.

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10staCounter	l10statusTBL.1	INTEGER	R/W	1 = SEC 2 = FIELD 3 = PER-FIELD
l10staReset	l10statusTBL.2	INTEGER	R/WO	1 = STATUS RESET
l10staLogTBL	l10statusTBL.3	Aggregate	--	--
l10staLog	l10staLogTBL.1	INTEGER	R/WO	1 = LOG DISPLAY
l10staLogLog	l10staLogTBL.2	INTEGER	R/W	1 = START 2 = STOP
l10staLogMode	l10staLogTBL.3	INTEGER	R/W	1 = OVER-WR 2 = STOP
l10staLogClear	l10staLogTBL.4	INTEGER	R/WO	1 = LOG CLEAR
l10staDumpTBL	l10statusTBL.4	Aggregate	--	--
l10staDump	l10staDumpTBL.1	INTEGER	R/WO	1 = DUMP DISPLAY
l10staDumpMode	l10staDumpTBL.2	INTEGER	R/W	1 = RUN 2 = HOLD 3 = FRM-CAP
l10staDumpDisplay	l10staDumpTBL.3	INTEGER	R/W	1 = SERIAL 2 = COMPONENT 3 = BINARY
l10staDumpDisplayDual	l10staDumpTBL.4	INTEGER	R/W	1 = A 2 = B 3 = A/B
l10staDumpLineNumber	l10staDumpTBL.5	INTEGER	R/W	1 to 1125
l10staDumpSample	l10staDumpTBL.6	INTEGER	R/W	0 to 2199
l10staDumpEav	l10staDumpTBL.7	INTEGER	R/WO	1 = EAV DISPLAY
l10staDumpSav	l10staDumpTBL.8	INTEGER	R/WO	1 = SAV DISPLAY

- l10eyeTBL(8) group * Valid when MODE of DISPLAY selected is EYE.

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10eyeIntenTBL	l10eyeTBL.1	Aggregate	--	--
l10eyeIntenEye	l10eyeIntenTBL.1	INTEGER	R/W	-128 to 127
l10eyeIntenScale	l10eyeIntenTBL.2	INTEGER	R/W	-8 to 7
l10eyeMode	l10eyeTBL.2	INTEGER	R/W	1 = EYE 2 = JITTER
l10eyeAutoMeasure	l10eyeTBL.3	INTEGER	R/W	1 = ON 2 = OFF
l10eyeGainTBL	l10eyeTBL.4	Aggregate	--	--
l10eyeGainVar	l10eyeGainTBL.1	INTEGER	R/W	1 = CAL 2 = VAR
l10eyeGainVal	l10eyeGainTBL.2	OctetString	R/W	0.50 to 2.00
l10eyeSweepSweep	l10eyeTBL.5	INTEGER	R/W	1 = 2UI 2 = 4UI 3 = 16UI
l10eyeFilter	l10eyeTBL.6	INTEGER	R/W	1 = 100kHz 2 = 1kHz 3 = 100Hz 4 = 10Hz 5 = Timing 6 = Alignment
l10eyeJitterTBL	l10eyeTBL.7	Aggregate	--	--
l10eyeJitterPeakHold	l10eyeJitterTBL.1	INTEGER	R/W	1 = ON 2 = OFF
l10eyeJitterPeakClear	l10eyeJitterTBL.2	INTEGER	R/WO	1 = PEAK CLEAR

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10eyeJitterGain	l10eyeJitterTBL.3	INTEGER	R/W	1 = X1 2 = X2 3 = X8
l10eyeJitterSweep	l10eyeJitterTBL.4	INTEGER	R/W	1 = 1H 2 = 2H 3 = 1V 4 = 2V
l10eyeJitterFilter	l10eyeJitterTBL.5	INTEGER	R/W	1 = 100kHz 2 = 1kHz 3 = 100Hz 4 = 10Hz 5 = Timing 6 = Alignment
l10eyeMonTBL	l10eyeTBL.8	Aggregate	--	--
l10eyeAmplitude (*1)	l10eyeMonTBL.1	OctetString	R/O	0.0 to1200.0mV Unable to measure:---
l10eyeTr (*1)	l10eyeMonTBL.2	OctetString	R/O	HD:0 to 674ps SD:0 to 3700ps Unable to measure:---
l10eyeTf (*1)	l10eyeMonTBL.3	OctetString	R/O	HD:0 to 674ps SD:0 to 3700ps Unable to measure:---
l10eyeTimingJitterPs (*2)	l10eyeMonTBL.4	OctetString	R/O	HD:0 to 6470ps SD:0 to 35520ps Unable to measure:---
l10eyeTimingJitterUi (*2)	l10eyeMonTBL.5	OctetString	R/O	HD:0 to 9.600UIp-p SD:0 to 9.600UIp-p Unable to measure:---
l10eyeCurrentJitterPs (*2)	l10eyeMonTBL.6	OctetString	R/O	HD:0 to 6470ps SD:0 to 35520ps Unable to measure:---
l10eyeCurrentJitterUi (*2)	l10eyeMonTBL.7	OctetString	R/O	HD:0 to 9.600UIp-p SD:0 to 9.600UIp-p Unable to measure:---

*1 Valid during eye pattern display. Sends the displayed measured value.

*2 Valid during jitter display. Sends the displayed measured value.

- l10trapTBL(9) group

MIB	OID	SYNTAX	ACCESS	VALUE/RANGE
l10trapStrTBL	l10trapTBL.1	Aggregate	--	--(Variable Binding List)
l10trapIpTBL	l10trapTBL.2	Aggregate	--	--
l10trapIp1TBL	l10trapipTBL.1	Aggregate	--	--
l10trapManagerIp1	l10trapIp1TBL.1	IpAddress	R/W	Transmission destination of TRAP IP address1 of Manager
l10trapManagerIp1Act	l10trapIp1TBL.2	INTEGER	R/W	1 = ENABLE 2 = DISABLE
l10trapIp2TBL	l10trapipTBL.2	Aggregate	--	--
l10trapManagerIp2	l10trapIp2TBL.1	IpAddress	R/W	Transmission destination of TRAP IP address2 of Manager
l10trapManagerIp2Act	l10trapIp2TBL.2	INTEGER	R/W	1 = ENABLE 2 = DISABLE
l10trapIp3TBL	l10trapipTBL.3	Aggregate	--	--
l10trapManagerIp3	l10trapIp3TBL.1	IpAddress	R/W	Transmission destination of TRAP IP address3 of Manager
l10trapManagerIp3Act	l10trapIp3TBL.2	INTEGER	R/W	1 = ENABLE 2 = DISABLE
l10trapIp4TBL	l10trapipTBL.4	Aggregate	--	--
l10trapManagerIp4	l10trapIp4TBL.1	IpAddress	R/W	Transmission destination of TRAP IP address4 of Manager
l10trapManagerIp4Act	l10trapIp4TBL.2	INTEGER	R/W	1 = ENABLE 2 = DISABLE
l10TrapStatusTBL	l10trapTBL.4	Aggregate	--	--
l10TrapStaCableLen	l10TrapStatusTBL.1	INTEGER	R/O	Cable Warning --(Variable Binding List)

3.5 Enterprise Trap

This section describes the enterprise traps of the LV 5800(A).
The LV 5800(A) will not be able to perform trap processing on all events when events occur consecutively at a rate of one event per second or more. The trap buffer can store up to 1000 events. The LV 5800(A) will not perform trap processing after the number of events exceeds 1000.

3.5.1 Configuring the SNMP Manager

- Set the community name as follows:

  TRAP community： LDRUser

- Set the IP address

  Refer to Section 3.3.2, "Setting the LV 5800(A)" for setting the IP address.

3.5.2 Specific Trap

Description	Specific Trap Type
Fan stop detection	1
NO SIGNAL	3
Line number error detection	6
CRC error detection (LUMA)	7
CRC error detection (CHROMA)	8
Checksum error detection	9
BCH error detection	10
EDH error detection	11
Reserved area error detection	12
Parity error detection	13
TRS error detection (POS)	15
TRS error detection (CODE)	16
Freeze error detection	17
Black out error detection	18
Equivalent cable length meter error detection	19
Equivalent cable length meter warning detection	20
SDI DELAY error detection	21
Gamut error detection	23
Composite gamut error detection	24
Level error detection (LUMA)	25
Level error detection (CHROMA)	26
UnKnown (Format)	27
No error (at error recovery and startup)	37
Parity error detection (AUDIO)	40
DBN error detection (AUDIO)	41
INH error detection (AUDIO)	42
Amplitude error detection (EYE:HD)	60
Rise time error detection (EYE:HD)	61
Fall time error detection (EYE:HD)	62
Delta time error detection (EYE:HD)	63
Timing jitter error detection (EYE:HD)	64
Current jitter error detection (EYE:HD)	65
Amplitude error detection (EYE:SD)	66
Rise time error detection (EYE:SD)	67
Fall time error detection (EYE:SD)	68
Delta time error detection (EYE:SD)	69
Timing jitter error detection (EYE:SD)	70
Current jitter error detection (EYE:SD)	71

3.5.3 Variable Binding List

- index 1

  OID: leader(20111).lv5800(10).lv5800ST1(1).trapTBL(9).trapStrTBL(1).1.0
  Syntax: Counter
  Range: 1 to 4294967295 (overflow occurs if this range is exceeded)
  Description: The total number of enterprise traps sent after starting up.

- index 2

  OID: leader(20111).lv5800(10).lv5800ST1(1).trapTBL(9).trapStrTBL(1).2.0
  Syntax: Octet String
  Range: Up to 40 characters
  Description: Date/Time when the error occurred and line information
  Example) 2007/07/02 11:30:11 1,A
  YYYY/MM/DD hh:mm:ss mod,sdi
  YYYY = Year, MM = Month, DD = Day, hh = Hour, mm = Minute,
  ss = Second, mod = Unit number (1 to 4), sdi = Input channel (A or B)

- index 3

  OID: leader(20111).lv5800(10).lv5800ST1(1).trapTBL(9).trapStrTBL(1).3.0
  Syntax: Octet String
  Range: Up to 40 characters
  Description: Format information (Refer to next page “List of format information for TRAP)
  Example) 1080sF/30

- index 4

  OID: leader(20111).lv5800(10).lv5800ST1(1).trapTBL(9).trapStrTBL(1).4.0
  Syntax: Octet String
  Range: Up to 40 characters
  Description: Error information (Refer to next page “List of error information for TRAP)
  Example) TRS_P_ERR

- index 5 (*1)

  OID: leader(20111).lv5800(10).lv5800ST1(1).trapTBL(9).trapStrTBL(1).5.0
  Syntax: INTEGER
  Range: 1 to 4294967295 (m)
  Description: Cable length meter information at the time of the error detection.

*1 Attach only to detection of equivalent cable length meter error or detection of equivalent cable length meter warning.

List of format information for TRAP

Syntax	Format
1080i/60	1080i/60
1080sF/30	1080sF/30
1080i/59.94	1080i/59.94
1080sF/29.97	1080sF/29.97
1080i/50	1080i/50
1080sF/25	1080sF/25
1080sF/24	1080sF/24
1080sF/23.98	1080sF/23.98
1080p/60	1080p/60
1080p/59.94	1080p/59.94
1080p/50	1080p/50
1080p/30	1080p/30
1080p/29.97	1080p/29.97
1080p/25	1080p/25
1080p/24	1080p/24
1080p/23.98	1080p/23.98
720p/60	720p/60
720p/59.94	720p/59.94
720p/50	720p/50
720p/30	720p/30
720p/29.97	720p/29.97
720p/25	720p/25
720p/24	720p/24
720p/23.98	720p/23.98
525i/59.94	525i/59.94
625i/50	625i/50
UnKnown	UnKnown
NO_SIGNAL	NO SIGNAL

List of error information for TRAP

Syntax	Description
CRC_Y_ERR	CRC error detection (LUMA)
CRC_C_ERR	CRC error detection (CHROMA)
EDH_ERR	EDH error detection
TRS_P_ERR	TRS error detection (POS)
TRS_C_ERR	TRS error detection (CODE)
ILLEGAL_ERR	Reserved area error detection
LINE_ERR	Line number error detection
CABLE_ERR	Equivalent cable length meter error detection
CABLE_WAR	Equivalent cable length meter warning detection
CHK_ERR	Checksum error detection
PRTY_ERR	Parity error detection
GMUT_ERR	Gamut error detection
CGMUT_ERR	Composite gamut error detection
LVL_L_ERR	Level error detection (LUMA)
LVL_C_ERR	Level error detection (CHROMA)
FRZ_ERR	Freeze error detection
BLK_ERR	Black out error detection
BCH_ERR	BCH error detection
A_PRTY_ERR	Parity error detection (AUDIO)
A_DBN_ERR	DBN error detection (AUDIO)
A_INH_ERR	INH error detection (AUDIO)
EYE_HD_AMP_ERR	Amplitude error detection (EYE:HD)
EYE_HD_TR_ERR	Rise time error detection (EYE:HD)
EYE_HD_TF_ERR	Fall time error detection (EYE:HD)
EYE_HD_TR_TF_ERR	Delta time error detection (EYE:HD)
EYE_HD_T_JIT_ERR	Timing jitter error detection (EYE:HD)
EYE_HD_A_JIT_ERR	Current jitter error detection (EYE:HD)
EYE_SD_AMP_ERR	Amplitude error detection (EYE:SD)
EYE_SD_TR_ERR	Rise time error detection (EYE:SD)
EYE_SD_TF_ERR	Fall time error detection (EYE:SD)
EYE_SD_TR_TF_ERR	Delta time error detection (EYE:SD)
EYE_SD_T_JIT_ERR	Timing jitter error detection (EYE:SD)
EYE_SD_A_JIT_ERR	Current jitter error detection (EYE:SD)
SDI_DELAY_ERR	SDI DELAY error detection
FAN_STOP	FAN stop detection

4. FIRMWARE REVISION HISTORY

This manual was written for the following firmware versions:

- Ver. 1.2 on the LV 5800A
- Ver. 11.1 on the LV 5800

To confirm the version, press a key in order of SYS => F•5 SYSTEM INFORMATION.

- Ver 5.5 on the LV 5800
  - Telnet and SNMP support were added for the new features of the LV 58SER01(A).
- Ver 5.4 on the LV 5800
  - Telnet and SNMP support were added for the new features of the LV 58SER01(A), LV 58SER04, and LV 58SER40A.
- Ver 4.7 on the LV 5800
  - Telnet and SNMP support were added for the new features of the LV 58SER01(A), LV 58SER03, and LV 58SER04.
- Ver. 3.7 on the LV 5800
  - Telnet and SNMP support were added for the new features of the LV 5800 and for the features of the LV 58SER04 and LV 58SER40A.
- Ver. 3.4 on the LV 5800
  - Telnet and SNMP support were added for the new features of the LV 5800.
- Ver. 3.1 on the LV 5800
  - The Telnet function is added.
  - The SNMP function is added.

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