JVC

MULTI FORMAT LCD MONITOR

DT-V24G2
DT-V21G2
DT-V17G2
DT-V17G25

INSTRUCTIONS

The illustration of the monitor is of DT-V21G2.

This is the English instruction manual. Instruction manuals in other languages (German, French, Italian, Spanish, Russian) are included on the supplied CD-ROM as PDF files (for Europe only).

For Customer Use:
Enter below the Model No. and Serial No. which is located on the body. Retain this information for future reference.

Model No. :
Serial No. :

HDMI®
HIGH-DEFINITION MULTIMEDIA INTERFACE

Please read the following before getting started:
Thank you for purchasing this product. Before operating this unit, please read the instructions carefully to ensure the best possible performance.

B5A-1245-00

Safety Precautions (English)

Before use, read “Safety Precautions” carefully, and then operate the product correctly.

FCC NOTICE
CAUTION: Changes or modifications not approved by JVC could void the user’s authority to operate the equipment.
NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CAN ICES-3A / NMB-3 A

Warning: This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

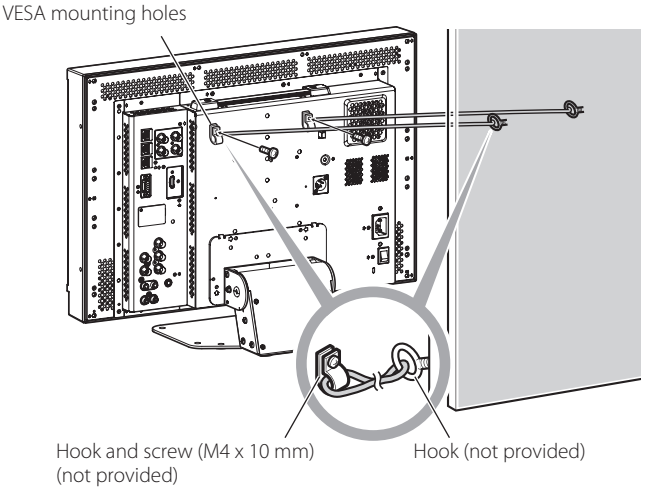
Use only the power source specified on the unit.
- AC power: 120 V/220 V – 240 V, 50 Hz/60 Hz
- DC power: 12 V – 17 V (DT-V21G2/DT-V17G2 only)

WARNING

To prevent injury by accidental fall

Fix the monitor to a wall by using strings.

Fixing the monitor
Attach the hook (not provided) to the VESA mounting holes on the rear panel (use the two holes on the upper side) using M4 x 10 mm screws (not provided). Bind the hooks on the rear panel of the monitor to a wall or a pillar using durable string.



The illustration of the monitor is of DT-V21G2.

EMC Supplement

This equipment is in conformity with the provisions and protection requirements of the corresponding European Directives. This equipment is designed for professional video appliances and can be used in the following environments:
- Controlled EMC environment (for example purpose built broadcasting or recording studio), and rural outdoors environment (far away from railways, transmitters, overhead power lines, etc.)

In order to keep the best performance and ensure electromagnetic compatibility, we recommend to use cables not exceeding the following length:

Cable	Length
Power cord (attached cable (H05VV-F 3 x 0.75 mm^2))	2.0 m
Video signal cable (coaxial cable)	2.0 m
Audio signal cable (shielded cable)	1.5 m
HDMI cable (shielded cable)	2.0 m
RS-232C cable (shielded cable) (A straight cable with a D-sub 9-pin connector)	2.0 m
RS-485 cable (twist pair cable) (A straight LAN cable)	2.0 m
REMOTE cable (twist pair cable) (A straight LAN cable)	2.0 m

CAUTION

In case where the strong electromagnetic waves or magnetism are near the audio cable or the signal cable, the sound or the picture will contain noise. In such cases, please keep the cable away from the sources of the disturbance.

Product Fiche

Supplier	JVCKENWOOD Corporation			
Model Name	DT-V24G2	DT-V21G2	DT-V17G2	DT-V17G25
Energy Efficiency Class	C	C	D	D
Visible screen size	24 inch/61 cm	21.5 inch/55 cm	16.5 inch/42 cm	16.5 inch/42 cm
On-mode Power Consumption	38.9 W	38.8 W	29.0 W	29.7 W
Annual Energy Consumption*1	57 kWh	57 kWh	43 kWh	44 kWh
Stand-by mode Power Consumption	0.29 W	0.29 W	0.30 W	0.30 W
Resolution	1920 x 1200 pixels	1920 x 1080 pixels	1920 x 1080 pixels	1920 x 1080 pixels

*1 Energy consumption XYZ kWh per year, based on the power consumption of the television operating 4 hours per day for 365 days. The actual energy consumption will depend on how the television is used.

Operating Precautions

The LCD panel and backlight have life expectancy. Due to the basic characteristics of the LCD panel, an afterimage or uneven display may occur. It is recommended that you change images occasionally, activate the power saving function, or often turn off the power to reduce the load on the LCD panel. Continuous operations of the LCD panel may accelerate the deterioration.

Caution for use of the product for many hours

In the case that you use the monitor for many hours, we recommend that you set “No Sync Action” in “Sync Function” to “Power Save” in Main Menu (☞ page 15). This will reduce power consumption and relieve strain on the monitor. To reduce damage to the LCD panel, using the LCD Saver function is recommended. (☞ page 16)

Caution for use of the product in the high temperature

Do not use the product in places of high temperature; otherwise, parts of this product or the LCD panel may be damaged. This product is equipped with a temperature sensor to give warning if the temperature becomes too high. If the temperature exceeds the range of normal use, “Temp. Over” is displayed, and the power is turned off automatically if the temperature becomes any higher. In this case, move the product to a place of low temperature to let it cool down.

Maintenance

Unplug this product from the wall outlet before cleaning.

LCD panel

To avoid irreparable change in appearance of the screen such as uneven color, discoloration, scratches, be careful about the following:

- Do not paste or stick anything using any glues or adhesive tapes.
- Do not write anything on the screen.
- Do not strike the screen with a hard object.
- Avoid condensation on the screen.
- Do not wipe the screen with any liquid such as water. In addition, wiping the screen with water-diluted neutral detergent or solvent such as alcohol, thinner, or benzine may affect the anti-reflection treatment of the screen.
- Do not wipe the screen forcefully.

Wipe stains off the LCD panel with a soft cloth. If the screen gets heavily stained, wipe it with a soft cloth soaked in water-diluted neutral detergent and wrung well, then wipe with a soft dry cloth.

Cabinet

To avoid the deterioration or damages of the cabinet such as its paint’s peeling away, be careful about the following:

- Do not wipe the cabinet using solvent such as alcohol, thinner, or benzine.
- Do not expose the cabinet to any volatile substance such as insecticides.
- Do not allow any rubber or plastic in contact for a long time.
- Do not wipe the cabinet forcefully.

Wipe stains off the cabinet with a soft cloth. If the cabinet gets heavily stained, wipe it with a soft cloth soaked in water-diluted neutral detergent and wrung well, then wipe with a soft dry cloth.

Ventilation openings

Use a vacuum cleaner to get rid of the dust around the intakes (all the openings). If a vacuum cleaner is not available, use a cloth and wipe it off. Leaving the dust around the intakes may prevent proper temperature control and cause damage to the product.

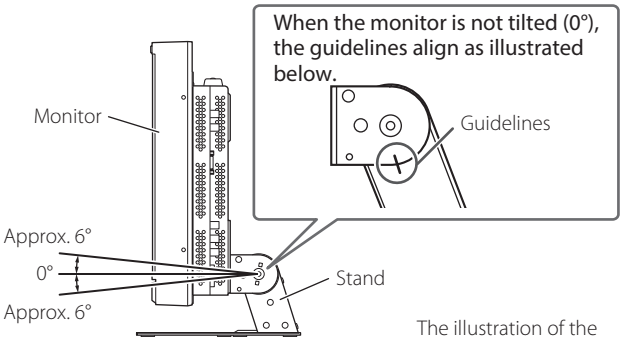
Table of Contents

Installation

- Do not rest your arm on the monitor or lean against the monitor.
- Do not touch the LCD panel when installing the monitor.
- Be sure to install the monitor securely to prevent the monitor from falling over, which may cause damage to the monitor or injury.

How to set up 1

You can tilt the monitor as follows.



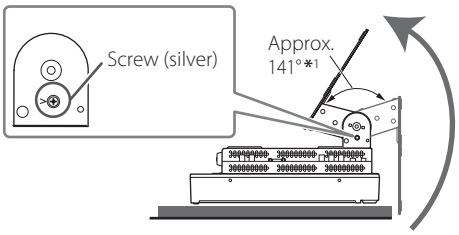
The illustration of the monitor is of DT-V21G2.

- Be careful not to pinch your fingers in the gap between the monitor and the stand.

How to set up 2

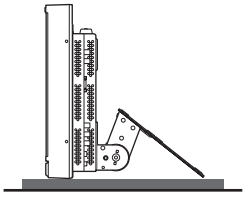
You can place the monitor as illustrated below.

1 Remove the screws on the sides of the stand (see the following illustration), and lift up the stand.



*1 Approx. 148° for DT-V24G2.

2 Attach the removed screws and place the monitor as illustrated below.



The illustration of the monitor is of DT-V21G2.

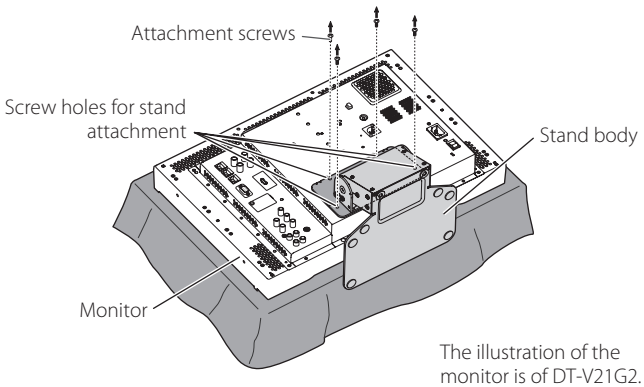
- To place the monitor as shown in "How to set up 1" again, remove the screws on the sides of the stand, align the guidelines, and then reattach the screws.

CAUTION

- When lifting up the stand...
  - Lay the monitor on a cloth with the LCD panel facing down to prevent the LCD panel from being damaged.
  - Be careful not to pinch your fingers in the moving parts.
- Make sure to lift the stand up so that the monitor will be vertical; otherwise the monitor may fall over.
- Place the monitor on a mat to avoid scratching the table surface.

To detach the stand

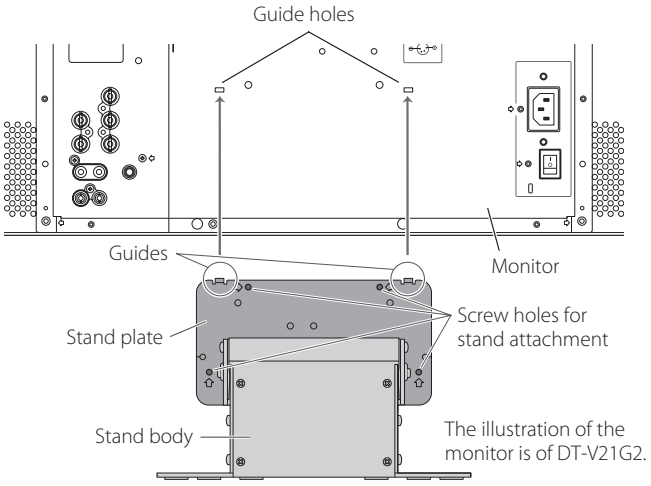
Lay the monitor on a cloth with the LCD panel facing down to prevent the LCD panel from being damaged.



The illustration of the monitor is of DT-V21G2.

To install the stand

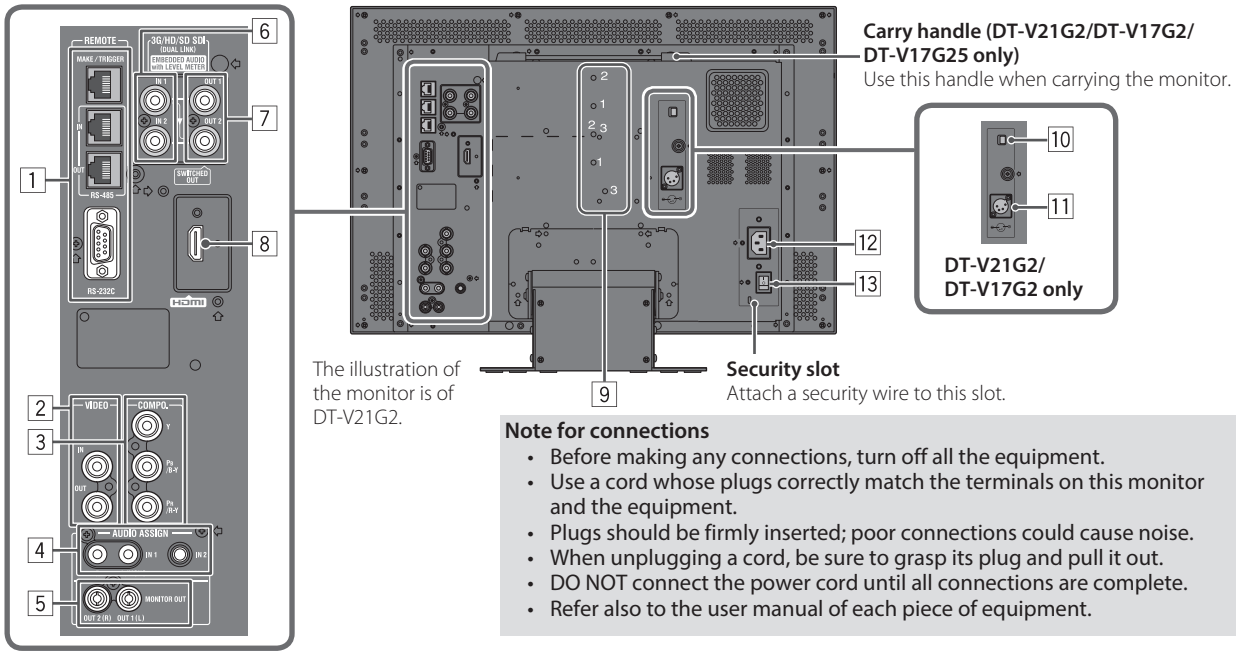
When attaching the stand to the monitor, insert the guides of the stand plate into the guide holes on the monitor to place the stand in the correct position. Then fix the stand firmly with the attachment screws.



The illustration of the monitor is of DT-V21G2.

Index of Parts and Functions

Rear panel



Note for connections

- Before making any connections, turn off all the equipment.
- Use a cord whose plugs correctly match the terminals on this monitor and the equipment.
- Plugs should be firmly inserted; poor connections could cause noise.
- When unplugging a cord, be sure to grasp its plug and pull it out.
- DO NOT connect the power cord until all connections are complete.
- Refer also to the user manual of each piece of equipment.

1 REMOTE terminal

Terminal for controlling the monitor by an external control (☞ "External Control" on page 20).

2 VIDEO terminals (BNC)

Input and output terminals for the composite signals.

3 COMPO. (Y, PB/B-Y, PR/R-Y) terminals (BNC)

Input terminals for the analog component (color difference) signal.

4 AUDIO ASSIGN (IN 1, IN 2) terminals (IN 1: pin jack, IN 2: Φ3.5 mm)

Input terminals for the analog audio signals.

- Use this terminal for the analog audio connection of the SDI. When a superimposed signal (EMBEDDED AUDIO signal on an SDI signal) is input, analog audio signals cannot be input.

5 AUDIO ASSIGN (MONITOR OUT) terminals (pin jack)

Output terminals for the analog audio signal.

- The signal is output from this terminal only when the monitor is on or in "Power Save" mode (☞ "No Sync Action" on page 15).
- The EMBEDDED AUDIO signal...
  - is decoded into an analog signal, then emitted.
  - is emitted only when "SDI 1" or "SDI 2" is selected, and when EMBEDDED AUDIO signals come in to the 3G/HD/SD SDI (IN 1 or IN 2) terminal.
- Audio signals are only output from the HDMI terminal when the signals are not protected by HDCP.
  - Even when the signals are protected by HDCP, sound is emitted from the speakers.

6 3G/HD/SD SDI (IN 1, IN 2) terminals (BNC)

Input terminals for the 3G/HD/SD SDI signals.

- The terminals accept also EMBEDDED AUDIO signals including up to 16 audio channels with a sampling frequency of 48 kHz.
- Use SDI IN 1 and SDI IN 2 terminal when selecting DUAL LINK SDI for the input.
  - Insert Link A into IN 1, and Link B into IN 2.

7 3G/HD/SD SDI (OUT 1, OUT 2: SWITCHED OUT) terminal (BNC)

Output terminal for the 3G/HD/SD SDI signals.

- For SDI OUT 1 output, the SDI IN1 signal is emitted.
- For SDI OUT 2 output, set the output signal in SDI2 OUT SEL of the Main Menu (☞ "Signal Setting" on page 12).
- When an input other than SDI 1 and SDI 2 is selected, the SDI signal of the input selected last time is emitted from this terminal.
- The signals are emitted from this terminal only when the monitor is on or in "Power Save" (☞ page 15) mode.

8 HDMI terminals

Input terminal for the HDMI signal compatible with HDCP.

9 Screw holes for external battery attachment (DT-V21G2/DT-V17G2 only)

Attach external battery for DC power supply by using 2 screw holes. Choose the appropriate screw holes from 1, 2 or 3 according to the type of external battery. (Depending on the battery type.)
Use the Anton Bauer Dionic 90 (mount: QR DXC-M3A) external battery.

Caution: Do not use the external battery for DC 24 V power supply. Use only the battery specified above. If a heavy battery is used, it may fall off depending on the way the monitor is used.

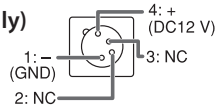
10 DC switch (DT-V21G2/DT-V17G2 only)

Turns the DC power on or off.

- You need to press ⏻/I button (☞ 20 on page 7) on the front panel to turn on the monitor after turning on the DC switch.
- The monitor consumes the battery even while the monitor is on standby. To save battery life, turn off the DC switch.

11 DC IN terminal (DT-V21G2/DT-V17G2 only)

DC 12 V (maximum DC 17 V) power input connector.



When using DC 12 V power (maximum DC 17 V), check the DC IN terminal pin signal, and use the correct polarity. If the polarity is reversed, this could cause a fire or personal injury.

- While using both the AC and DC power supply, AC power supply is preferentially used. If the AC power supply is cut off (for example, when turning off the POWER switch), the power supply automatically switches to the DC power supply.
- Use a DC power supply with the LPS (Limited Power Sources) function.

12 AC IN terminal

AC power input connector. Connect the provided AC power cord to an AC outlet.

- Attach the provided power cord holder to prevent accidental disconnection of the AC power cord. (☞ page 24)
- Attach the provided core filter. (North America only) (☞ page 24)

Caution: Do not connect the power cord until all other connections are completed.

13 POWER switch

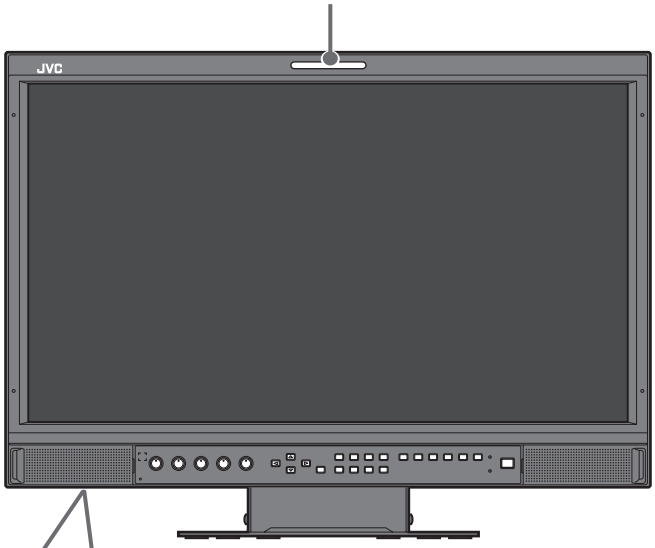
Turns AC power on or off.

- You need to press ⏻/I button (☞ 20 on page 7) to use the monitor after turning on the POWER switch.

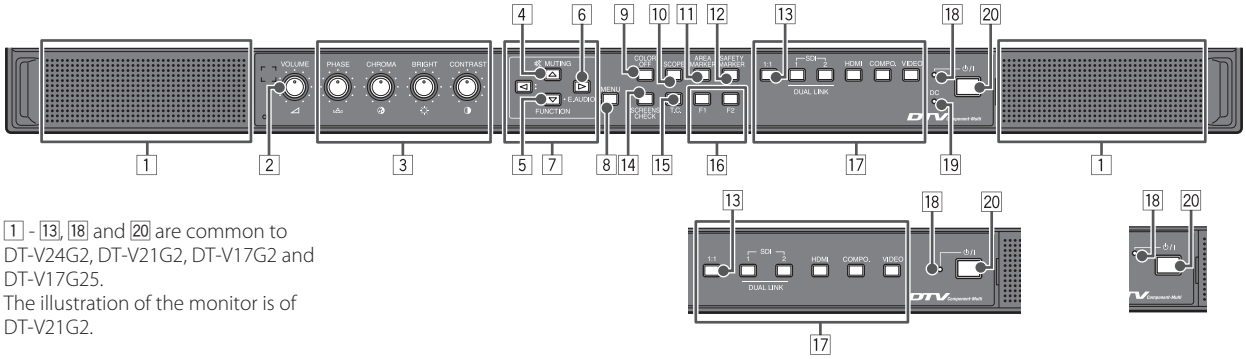
Index of Parts and Functions (cont.)

Front panel

Tally lamp
This lamp is controlled by the tally function of the MAKE/TRIGGER terminal.
- You can select the color of the tally lamp from “Green” or “Red.”
  You can also select whether the whole lamp is turned on at once, or whether it is turned on one half at a time. (☞ “Tally Setting” in “Function Setting” on page 15 and “External Control” on page 20)



The illustration of the monitor is of DT-V21G2.



1 - 13, 18 and 20 are common to DT-V24G2, DT-V21G2, DT-V17G2 and DT-V17G25.
The illustration of the monitor is of DT-V21G2.

DT-V24G2

DT-V17G25

- “No Effect” is displayed when you press a button which is not available for the current input or signal format (the lamp lights even when the function does not actually work).
- You cannot use the buttons for the items controlled by the MAKE system (“Remote On” appears, and the lamp does not light up).

1 Speakers (stereo)
The speakers emit the same audio signal emitted from the AUDIO ASSIGN (MONITOR OUT) terminals.
(☞ 5 “AUDIO ASSIGN (MONITOR OUT) terminals (pin jack)” on page 5)

2 VOLUME adjustment knob
Adjusts the volume.

3 Picture adjustment knob

PHASE:	Adjusts the picture hue
CHROMA:	Adjusts the picture color density
BRIGHT:	Adjusts the picture brightness
CONTRAST:	Adjusts the picture contrast

- PHASE and CHROMA cannot be adjusted for certain signal formats.
- When “Component Phase” is set to “Disable” and an NTSC signal is input, PHASE can be adjusted (☞ page 15).

4 MUTING button
Turns off the sound (Muting).
- To cancel the function, press the button again or turn the VOLUME adjustment knob.
- Muting function is also canceled when “Balance” of “Audio Setting” in the Main Menu is changed (☞ page 13).
- Muting function cannot be activated when a menu screen is displayed.

5 FUNCTION button
Assign functions to the F1 and F2 buttons when the menu is not displayed. (☞ page 16)

6 EMBEDDED AUDIO setting button
Selects an audio channel when EMBEDDED AUDIO signals are contained in SDI input. (☞ “Audio Channel Selection” on page 8)

7 ◁ / ▷ / △ / ▽ **buttons**

When a menu screen is displayed selects or adjusts menu items. (☞ "The operation procedure" on page 9)

- Pressing ◁ button while holding ▽ button displays the Set-Up Menu (☞ "Menu Configuration" on page 9).

8 **MENU button**

Activates/deactivates the display of the Main Menu (☞ "Menu Configuration" on page 9).

9 **COLOR OFF button/lamp**

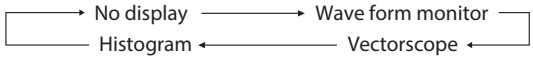
Displays only the luminance signal.

- This function does not work for RGB input signals.

10 **SCOPE button/lamp**

Displays/hides the indication of the wave form monitor and vector scope (☞ "Scope Setting" on page 14).

- Each time you press this button, the window changes in the following order.



11 **AREA MARKER button/lamp**

Displays/hides the area marker.

- Select the style of the area marker in "Marker" of the Main Menu (☞ page 12).
- This function works only when displaying the picture in 16:9 aspect ratio.
- This function does not work when "Area Marker" or "R-Area Marker" is set to "Off" in "Marker."

12 **SAFETY MARKER button/lamp**

Displays/hides the safety marker.

- Adjust the area of the safety marker in "Marker" of Main Menu (☞ page 12).
- This function will not work when the picture is displayed in 1:1 aspect ratio and "SD4:3 Size" on the menu is set to "H Full".
- This function does not work when "Safety Marker" or "R-Safety Marker" is set to "Off" in "Marker.

13 **1:1 button/lamp**

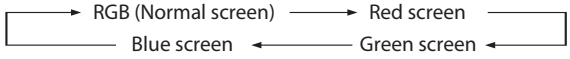
Displays the picture in the original resolution of the input signal.

- The aspect ratio of the picture may change depending on the input signal.

14 **SCREENS CHECK button/lamp**

Displays only the selected element (R, G, or B) of the video signal.

- This function does not work for RGB input signals.
- Each time you press this button, the picture changes in the following order.



15 **T.C. (time code) button/lamp**

Activates/deactivates the display of the time data (time code) contained in the SDI signal (☞ "On the Information Display" on page 8).

- Select the time code type in "Information" of Set-Up Menu (☞ page 17).

16 **F1/F2 buttons/lamps**

You can use the functions assigned to this button.

17 **INPUT SELECT buttons/lamps**

Selects an input.

SDI 1:	Input from the 3G/HD/SD SDI (IN 1) terminal
SDI 2:	Input from the 3G/HD/SD SDI (IN 2) terminal
DUAL LINK:	Input from the 3G/HD/SD SDI (IN 1, IN 2) terminals
HDMI:	Input from the HDMI terminal
COMPO.:	Input from the COMPO. terminals
VIDEO:	Input from the VIDEO terminal

- The lamp for the selected input lights.

18 **Power lamp**

Unlit:	The monitor is completely off (the POWER switch on the rear panel is turned off) or in Low Power Mode (☞ page 19)
Lights in Green:	The monitor is on
Lights in orange:	The monitor is off (on standby)
Flashes in orange:	The monitor is in the Power Save (power save) mode (☞ "No Sync Action" on page 15)

19 **DC lamp (DT-V21G2/DT-V17G2 only)**

When the DC power voltage is being lowered due to the battery consumption, the lamp changes to orange from green. When the voltage becomes lower than a certain level, the monitor automatically turns off and the lamp turns to red.

- Make sure to turn off the POWER (☞ 13 on page 5) switch and DC (☞ 10 on page 5) switch on the rear panel before replacing the battery.
- The length of time that the lamp lights in orange differs depending on the type of battery or the battery condition. It is recommended to replace the battery when the lamp turns to orange.

20 ⏻ / I **button**

Turns on and off (on standby) the monitor.

- To turn off the monitor completely, turn off the POWER switch (☞ 13 on page 5) and DC switch (☞ 10 on page 5).

Showing Input Signals

Audio Channel Selection

Select the audio channel output from the Speaker and AUDIO ASSIGN (MONITOR OUT) (OUT1(L)/OUT2(R)) terminals when an EMBEDDED AUDIO signal is input during SDI input.

- Store the setting for each input of SDI 1 and SDI 2.

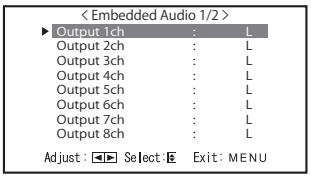
1 When the menu is not displayed, use the ▷ button
The "Embedded Audio" screen appears.
- The "Embedded Audio" screen disappears automatically is no operations are made for about 30 seconds.

2 Use the △▽ buttons to select the audio channel

3 Use the ◁▷ buttons to select the left and right channels (L ch/R ch/L ch+R ch)
- Each time you press a button the audio channel changes together with "Embedded Audio ch Setting". (☞ page 13)

4 Press the MENU button
- The "Embedded Audio" screen disappears.

Embedded Audio screen

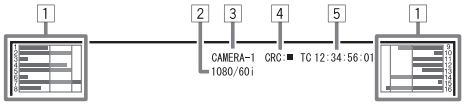


On the Information Display

The monitor displays the information below.

- Make the setting to display/hide each information using the MENU with the exception of 5, controlled with T.C. button (☞ 15 on page 7).

1 Level meter
- You can check the conditions of the EMBEDDED AUDIO signals when "Level Meter Display" is set to "Horizontal1" or "Horizontal2" or "Vertical." (☞ "Audio Setting" on page 13)
- Not displayed when "Audio Meter Display" is set to "Off" or "Lissajous".



2 Signal format
- Displayed when "Status Display" is set to "On." (☞ "Information" on page 17)
- For the contents displayed, see "Available signals" on page 27 and "On the signal format" below.

3 Source name assigned in "Character Setting"(☞ "Information" on page 17)
- Displayed when "Source ID" is set to "On" or "Auto." (☞ "Information" on page 17)
- Displayed in large letters when "Status Display" is set to "Off" or "Auto."

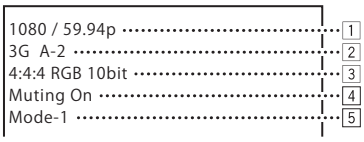
4 CRC error indication
- Displayed when "CRC Error" is set to "On." (☞ "Information" on page 17)
- A red square is displayed when an error occurs.

5 Time code
- Press T.C. button (☞ 15 on page 7).
- When the input signal includes no time code, "TC – –:– –:– –:– –" is displayed (☞ "Information" on page 17).

On the Status Display

If you press the INPUT SELECT button (☞ 17 on page 7) currently lit, the status of the input signal and setting of MUTING are displayed for about 3 seconds.

- Make the setting to display/hide the status in "Status Display" of the "Information". (☞ page 17)
- When "Status Display" is set to "Auto" or "On," the status below is also displayed in the following cases:
  – When you change the input
  – When the signal condition of the current input changes
  – When you turn on the monitor
- When "Status Display" is set to "On," the signal format and "Picture Memory Mode" will remain displayed 3 seconds after the status is displayed. If "Picture Memory Mode" is set to "Off", it will not be displayed.



1 Signal format
- For the contents displayed, see "Available signals" on page 27 and "On the signal format" below.

On the signal format

The following messages appear depending on the type of input signals and their conditions.

When a HDMI signal protected with HDCP is input	→	"*" (at the end of the indication)
When no video signal comes in	→	"No Sync"
When a noncompliant video signal comes in	→	"Out of range"

2 Signal format of HDMI and VIDEO/COMPONENT input

Status indication of DUAL LINK/3G SDI signal information
- "DUAL LINK" appears when the Main Menu "Dual Link" (☞ page 12) is set to "On" in SDI input, and the 3G SDI signal information appears when the Main Menu "Dual Link" is set to "Off."

Status indication of 3G SDI signal information

Following signal information can be displayed when a 3G SDI signal comes in.

3G A-1:	Level A mapping structure 1	**3G B-DS1:**	Level B data stream 1
3G A-2:	Level A mapping structure 2	**3G B-DS2:**	Level B data stream 2
3G A-3:	Level A mapping structure 3	**3G B-DUAL:**	Level B DUAL LINK
3G A-4:	Level A mapping structure 4		

3 Detailed information of 3G SDI/HD-SDI DUAL LINK signal input
- Displays the sampling structure/pixel resolution of the signal format.
- Displayed when the 3G SDI/HD-SDI DUAL LINK signal is input.

4 Setting of "MUTING"
- Only appears when in mute mode (☞ 4 on page 6).

5 Displaying the Picture Memory Mode
- Mode-1, Mode-2 or Mode-3 appears (☞ on page 11).

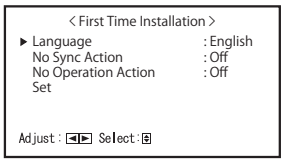
Menu Configuration

First Time Installation

When you turn on the power and the monitor, “First Time Installation” appears.
Start setting referring to the menu configuration.

For the setting items, see the pages below.

- “Language” ☞ “Language” on page 17
- “No Sync Action” ☞ “Sync Function” on page 15
- “No Operation Action” ☞ “No Operation Action” on page 15



Setting procedure

1 Press △▽ to move the cursor to the setting item

2 Press ◁▷ to select the setting values
- Each time you press one of these buttons, the setting value changes.

3 Move the cursor to “Set”

4 Press ▷ to finish setting
- When you change the settings, a confirmation message appears. Operate according to directions.

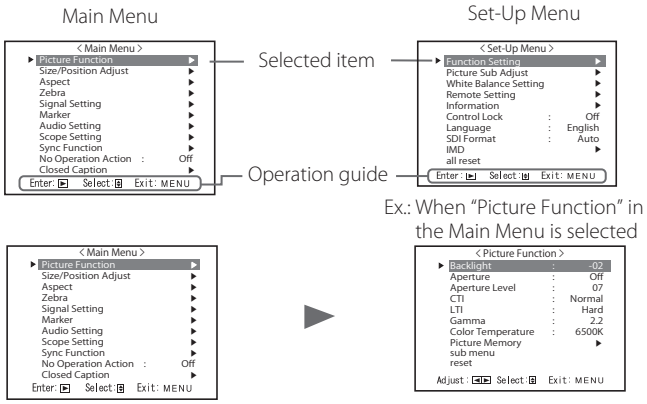
- Once the settings have been adjusted, this screen will not appear again.
- The settings can be changed afterwards in Main Menu and Set-Up Menu.

The operation procedure

1 Press the MENU button to display the Main Menu

To display the Main Menu
➔ Press the MENU button.

To display the Set-Up Menu
➔ Press the ◁ button while holding the ▽ button.



2 Use the △▽ buttons to select an item and press the ▷ button to proceed to the next screen
- For some items, pressing the ◁▷ buttons adjusts the setting.

Ex.: When “Picture Function” in the Main Menu is selected

3 Use the △▽ buttons to select an item and use the ◁▷ buttons to adjust the setting

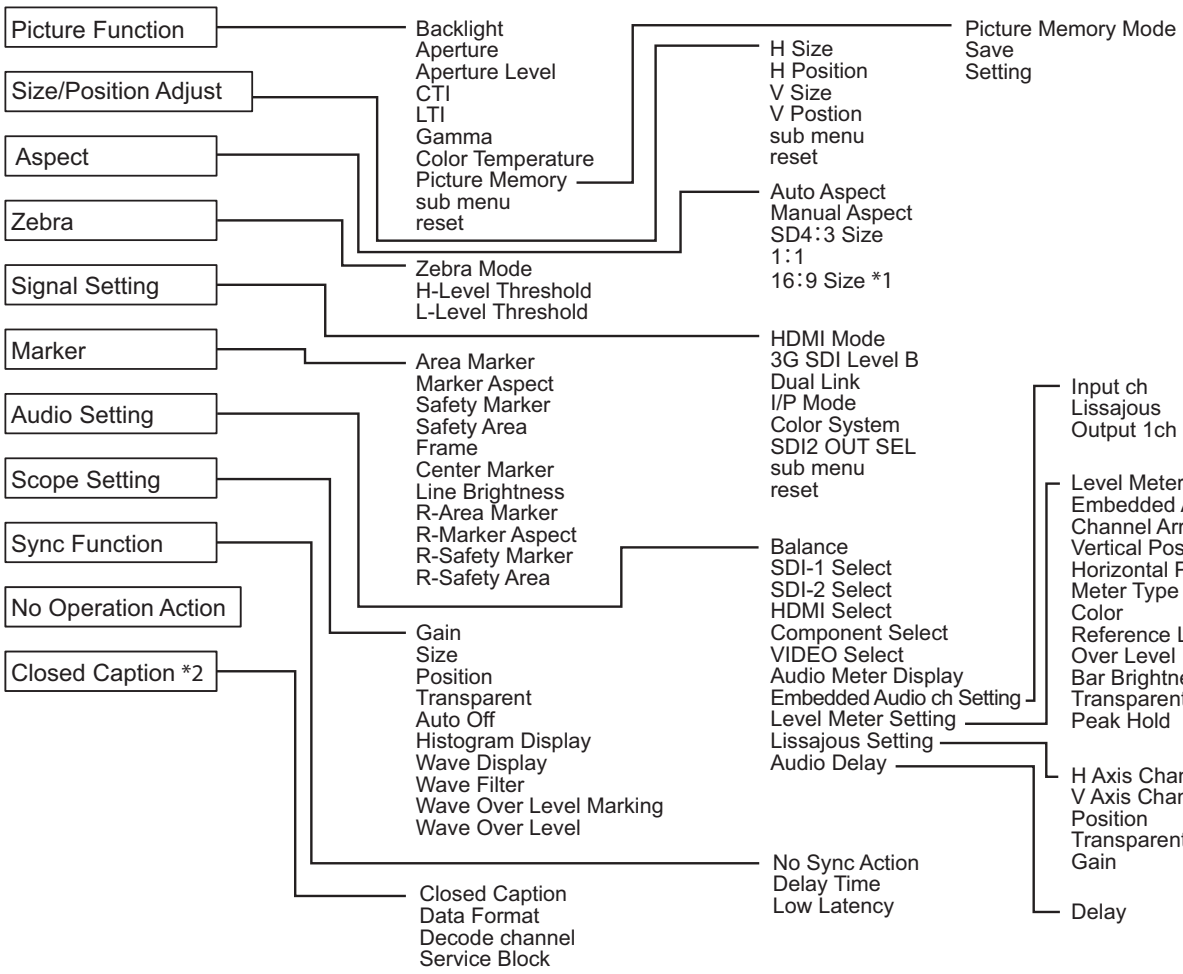
4 Press the MENU button to finish operations
- Press the MENU button repeatedly until the menu screen disappears.

- The menu screen disappears automatically if no operations are made for about 30 seconds.
- Inoperable menus will be grayed out.
- Some items will not be displayed on the menu depending on the selected input and signal format.
- “Closed Caption” is available for North America only.

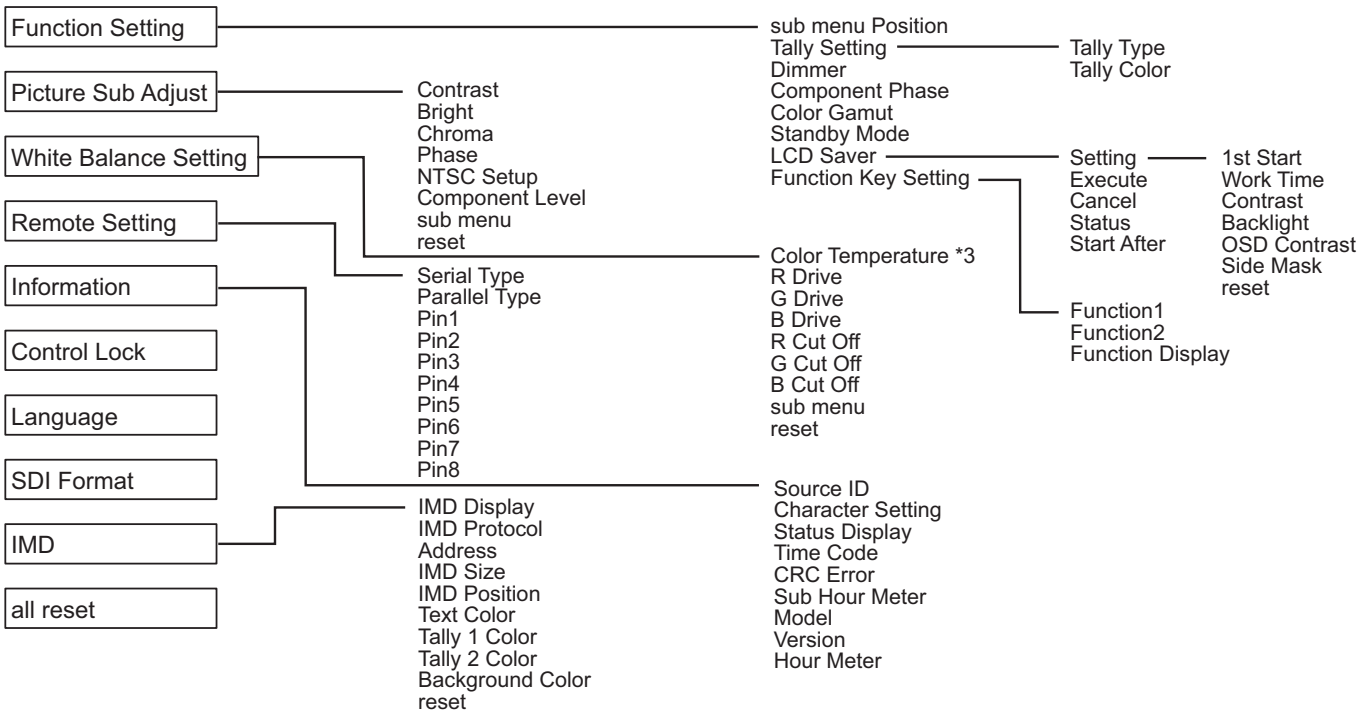
Menu Configuration (cont.)

Menu Transition Diagram

Main Menu



Set-Up Menu



*1 : DT-V24G2 only.
*2 : North America only.
*3 : "Color Temperature" is only displayed, and cannot be set/changed.

Main Menu

Picture Function

Setting for the picture quality.

Item		To do	Setting value
Backlight		Adjusts the brightness of the display.	–20 to +20
Aperture*1		Activates/deactivates the function at the level set in “Aperture Level”.	Off, On
Aperture Level*1		Compensate the frequency response of the luminance signal of the video signal.	01 to 10
CTI		Adjust the clearness of the outlines of the chrominance signal.	Off, Normal, Hard
LTI		Adjust the clearness of the outlines of the luminance signal.	Off, Normal, Hard
Gamma		Select the Gamma correction value. 2.2 is equivalent to Y 2.2, 2.35 is equivalent to Y 2.35, 2.45 is equivalent to Y 2.45, 2.6 is equivalent to Y 2.6.	2.2, 2.35, 2.45, 2.6
Color Temperature		Select the color temperature.	9300K, 6500K, 5600K, User
Picture Memory		Storage and retrieval of values set in “Picture Memory Mode,” “Save,” and “Setting”.	
Picture Memory Mode*2		Retrieves a stored setting value.	Off, Mode-1, Mode-2, Mode-3
Save		Save destination for a set value. • Values set using the picture adjustment knob and values set in the “Picture Function” menu are stored in “Picture Memory Mode”. • Only selectable when “Picture Memory Mode” is set to “Off".	Mode-1, Mode-2, Mode-3
Setting		Adjusts/stores the brightness, contrast, etc. of the picture. • Selectable when “Picture Memory Mode“ is set to “Mode-1”, “Mode-2” or “Mode-3”.	
	Contrast	Adjusts the level of the screen brightness.	-128 to +127
	Bright	Adjusts black level.	-128 to +127
	Chroma	Adjusts the color density.	-128 to +127
	Phase	Adjusts the color phase.	-128 to +127
	Backlight	Adjusts the back light brightness.	-20 to +20
	Aperture	Activates/deactivates the function at the level set in “Aperture Level”.	Off, On
	Aperture Level	Compensate the frequency response of the luminance signal of the video signal.	01 to 10
	Gamma*3	Select the Gamma correction value. 2.2 is equivalent to Y 2.2, 2.35 is equivalent to Y 2.35, 2.45 is equivalent to Y 2.45, 2.6 is equivalent to Y 2.6.	2.2, 2.35, 2.45, 2.6
	Color Temperature*3	Select the color temperature.	9300K, 6500K, 5600K, User
	R Drive*4	Adjust the drive level of each color (red, green, and blue). • The maximum (Max) and minimum (Min) values vary depending on the input signal or other settings	Min to 000 to Max.
	G Drive*4		Min to 000 to Max.
	B Drive*4		Min to 000 to Max.
	Color Gamut*3	Select the color reproduction range.	ITU-709, User, Adobe RGB
	sub menu	Display the sub menu which enables you to adjust the items in “Picture Memory Setting” while viewing the actual picture.	
	Save	Save destination for a set value. • Stored in the currently selected “Mode-*”.	
	Restore	Restore the stored values.	
sub menu		Display the sub menu which enables you to adjust the items in “Picture Function” while viewing the actual picture.	
reset		Restore the default settings for all the items in “Picture Function”.	

- If the picture adjustment knob is operated while “Picture Memory Mode” is set to “Mode-1”, “Mode-2” or “Mode-3”, “sub menu” of “Setting” is displayed and adjustment can only be performed using the ◁▷ buttons.

*1 Memorized for each input.

2 When retrieving a setting value, “Mode-1”, “Mode-2” or “Mode-3” will be displayed on the status display. When a value has been stored using “Save” after adjustment in “Setting”, or has not been restored to the stored value using “Restore”, “Mode-1”, “Mode-2*” or “Mode-3*” will be displayed.

*3 “Gamma”, “Color Temperature” and “Color Gamut” can only be set when “Picture Memory Mode” is set to “Mode-3”.

*4 “R Drive”, “G Drive” and “B Drive” can only be set when “Color Temperature” is set to “User”.

Size/Position Adjust

Adjusts the size and position of the picture.

Item	To do	Setting value
H Size*1	Adjust the horizontal picture size.	Setting value varies depending on the signals.
H Position*1	Adjust the horizontal picture position.	
V Size*1	Adjust the vertical picture size.	
V Position*1	Adjust the vertical picture position.	
sub menu	Display the sub menu which enables you to adjust the items in “Size/Position Adjust” while viewing the actual picture.	
reset	Restore the default settings for all the items in “Size/Position Adjust”.	

*1 Memorized for each signal format.

Aspect

Sets the aspect ratio of the screen for displaying videos.

Item	To do	Setting value
Auto Aspect	Select whether to adjust the aspect ratio (horizontal to vertical ratio of the screen) of the SD signal automatically or manually (Manual Aspect).	Off, On
Manual Aspect*1	Sets the aspect ratio of the SD signal.	16:9, 4:3
SD4:3 Size*1,*2	Selects the picture size when the input signal format is 4:3. **Normal** : Matches the vertical picture size to the number of pixels. **H Full** : Matches the horizontal picture size to the horizontal size of the screen. At this time, the top and bottom of the picture are overscanned. **V Full***4 : Enlarges the picture vertically.	Normal, H Full, V Full*4

Menu Configuration (cont.)

1:1*3	Displays the picture in the original resolution of the input signal. • The aspect ratio of the picture may change depending on the input signal.	Off, On
16:9 Size*1,*2,*4	Selects the picture size when the input signal format is 16:9. **Normal** : Matches the vertical picture size to the number of pixels. **V Full** : Enlarges the picture vertically. At this time, the right and left of the picture are overscanned and markers are displayed.	Normal, V Full

*1 Not activate when picture is displayed in the 1:1 mode.
*2 When the histogram, wave form monitor or vector scope is displayed, only "Normal" is available.
*3 When the histogram, wave form monitor or vector scope is displayed, only "Off" is available.
*4 DT-V24G2 only.

Zebra

Settings for displaying the range of brightness.

Item	To do	Setting value
Zebra Mode	Activate / deactivate the function.	Off, On
H-Level Threshold	Setting the maximum brightness of an image for Zebra. "Over" means the range which exceeds 100%.	5% to 100% (by 5%), Over
L-Level Threshold	Setting the minimum brightness of an image for Zebra.	0% to 100% (by 5%)

Signal Setting

Settings for input signals.

Item	To do	Setting value
HDMI Mode	Settings for formats of signals input into the HDMI terminal. • Automatically distinguishes signals when set to "Auto". (Normally, select "Auto") • Select "Compo.", "RGB" or "PC" when the picture is not displayed correctly with "Auto". • HDMI input of the monitor is compatible with HDCP.	Auto, Compo., RGB, PC
3G SDI Level B	Selects the data stream from two HD SDI signals multiplexed when a 3G SDI LEVEL B signal comes in. • The setting value will be invalid if a 3G SDI LEVEL B DUAL LINK signal is input.	DS1, DS2
Dual Link	Activates/deactivates the DUAL LINK function of SDI signals. • "Dual Link" is displayed when the setting is set to "On".	Off, On
I/P Mode	Selects a proper mode corresponding to the input picture.	Normal, Cinema
Color System	Select the color system. • If the picture is unstable with "Auto", select the color system according to the input signal.	Auto, NTSC, PAL, SECAM, NTSC 4.43, PAL-M, PAL-N, PAL60
SDI2 OUT SEL	Specify output signal from the SDI OUT 2 terminal. **Switched Out** : Signal of the currently selected SDI input (SDI 1 or SDI 2) is reclocked and then output. **SDI-2** : Signal input from SDI IN 2 terminal is output.	Switched Out, SDI-2
sub menu	Display the sub menu which enables you to adjust the items in "Signal Setting" while viewing the actual picture.	
reset	Restore the default settings for all the items in "Signal Setting".	

Marker*1

Settings for marker functions.

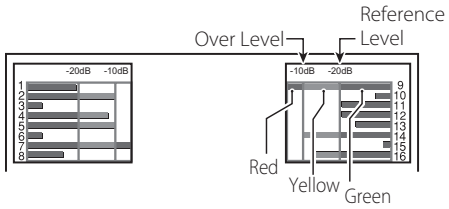
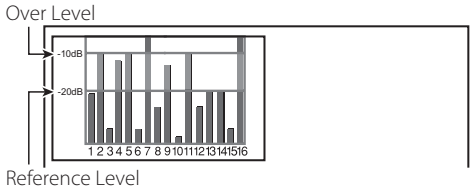
Item		To do	Setting value
1/2	**Area Marker**	Activate/deactivate the area marker and select the style of it. **Off** : Deactivate the marker. **Line** : Displays the area with an outline. **Half** : The area outside the specified aspect ratio of the screen is displayed at 50% transparency. **Half+Line** : The area of the specified aspect ratio of the screen is indicated by an outline, and the area outside of that is displayed at 50% transparency.	Off, Line, Half, Half+Line
	Marker Aspect	Select the aspect ratio of the area marker.	4:3, 16:9, 14:9, 13:9, 2.35:1, 1.85:1, 1.75:1, 1.66:1
	Safety Marker	Activate/deactivate the safety marker and select the style of it.*2	Off, Line, Half, Half+Line
	Safety Area	Adjust the area of the safety marker.	80% to 100%
	Frame*3	Displays/hides the video area.	Off, On
	Center Marker*3	Displays/hides the marker indicating the center position of the picture.	Off, On
	Line Brightness	Adjust the brightness of the marker.	Low, High
2/2	**R-Area Marker**	Activate/deactivate the area marker and select the style of it.*2	Off, Line, Half, Half+Line
	R-Marker Aspect	Select the aspect ratio of the area marker.	4:3, 16:9, 14:9, 13:9, 2.35:1, 1.85:1, 1.75:1, 1.66:1
	R-Safety Marker	Activate/deactivate the safety marker and select the style of it.*2	Off, Line, Half, Half+Line
	R-Safety Area	Adjust the area of the safety marker.	80% to 100%

- The area marker or the safety marker is displayed by using MARKER button or external control.
- "R" means "REMOTE (External control)". Select either non-"R-" items or "R-" items to activate by using external control. (☞ "External Control" on page 20)
- When a picture is displayed in 4:3 aspect ratio, the safety marker for the 4:3 area is displayed.
- To display the safety marker for the area of a picture displayed in 16:9 aspect ratio, set Area Marker to "Off".

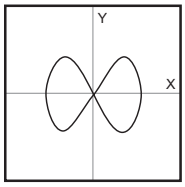
*1 Memorized for each input.
*2 The setting values are the same as that of "Area Marker".
*3 In 1:1 mode, this display is grayed out and cannot be operated.

Audio Setting

Settings for AUDIO signals, EMBEDDED AUDIO signals and audio level meter signal.

Item	To do	Setting value
Balance	Adjust the balance between the right and left speakers.	L5 to L1, 0, R1 to R5
SDI-1 Select*1 **SDI-2 Select***1	Select the input through which audio is output. **Off** : Does not output audio. **Auto** : Output digital audio prior to analog audio. **Digital** : Output audio from the SDI terminal. **Analog1** : Output audio from the AUDIO ASSIGN (IN 1) terminal. **Analog2** : Output audio from the AUDIO ASSIGN (IN 2) terminal.	Off, Auto, Digital, Analog1, Analog2
HDMI Select	Select the input through which audio is output. **Off** : Does not output audio. **Digital** : Output audio from the HDMI terminal. **Analog1** : Output audio from the AUDIO ASSIGN (IN 1) terminal. **Analog2** : Output audio from the AUDIO ASSIGN (IN 2) terminal.	Off, Digital, Analog1, Analog2
Component Select **VIDEO Select**	Select the input through which audio is output. **Off** : Does not output audio. **Analog1** : Output audio from the AUDIO ASSIGN (IN 1) terminal. **Analog2** : Output audio from the AUDIO ASSIGN (IN 2) terminal.	Off, Analog1, Analog2
Audio Meter Display	Specify whether to turn off Audio Meter Display, or display the Level Meter or Lissajous.	Off, Level Meter, Lissajous
Embedded Audio ch Setting*1	Specify an EMBEDDED AUDIO CH.	
Input ch	Displays the currently selected SDI INPUT CH.	
Lissajous	Displays the EMBEDDED AUDIO CH selected from the Lissajous screen.	
Output 1ch to 16ch	Select a channel to output.	L, R, LR, ---
Level Meter Setting*2	Specify the level meter display for EMBEDDED AUDIO signal. **Example of level meter display** - Connection between the level meter position and channel Ex: When "Horizontal1" is selected for "Level Meter Display":  Ex: When "Vertical" is selected for "Level Meter Display":  • The number of audio channels displayed on the level meter varies depending on the setting value of "Embedded Audio Group". • The level meter with no audio signal input is displayed in white for "3Colors", and in gray for "White". • Display position When "Horizontal 1" or "Horizontal 2" is selected for "Level Meter Display", the display position will be the top or bottom of the screen. When "Vertical" is selected for "Level Meter Display", the display position will be the lower right, lower left, upper left, or upper right of the screen. • When "On" is selected for "Peak Hold", the maximum value is retained a certain period when the signal level becomes maximum.	
Level Meter Display	Select the status of the level meter (display vertically or horizontally).	Vertical, Horizontal1, Horizontal2
Embedded Audio Group*2	Select the audio channel group of the EMBEDDED AUDIO signals displayed on the level meter. **1G** : channel(s) 1/2/3/4 **2G** : channel(s) 5/6/7/8 **1-2G** : channel(s) 1/2/3/4/5/6/7/8 **3G** : channel(s) 9/10/11/12 **4G** : channel(s) 13/14/15/16 **3-4G** : channel(s) 9/10/11/12/13/14/15/16 **1-4G** : channel(s) 1/2/3/4/5/6/7/8/9/10/11/12/13/14/15/16	1G, 2G, 1-2G ,3G, 4G, 3-4G, 1-4G
Channel Arrange	Select how the audio channels are displayed on the level meter.	Line, Divide
Vertical Position	Adjust the vertical level meter position.	Lower Right, Lower Left, Upper Left, Upper Right
Horizontal Position	Adjust the horizontal level meter position.	Upper, Lower
Meter Type	Specify the design of the level meter.	Bar, Block
Color	Select the color of the level meter display.	3Colors (colored depending on the level), White (white only)
Reference Level	Select the standard input level indicated on the level meter.	–20dB, –18dB
Over Level	Select the input level's lower limit indicated in red for the "3Colors" display.	–10dB, –8dB, –6dB, –4dB, –2dB
Bar Brightness	Select the brightness of the level meter.	Low, High

Menu Configuration (cont.)

	Transparent	Adjust the transparency of the level meter display against the image.	Off, Background, All
	Peak Hold	Activates/deactivates the peak hold function of the level meter.	Off, On
Lissajous Setting		Lissajous setting <Lissajous display example> 	
	H Axis Channel(X)	Select an EMBEDDED AUDIO CH to display on the horizontal axis of the Lissajous screen.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16
	V Axis Channel(Y)	Select the EMBEDDED AUDIO CH to display on the vertical axis of the Lissajous screen.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16
	Position	Select a position to display the screen.	Lower Right, Lower Left, Upper Left, Upper Right
	Transparent	Set the background of the screen to translucent.	Off, On
	Gain	Specify the Lissajous gain.	0dB, +6dB, +12dB
Audio Delay		Audio delay setting	
	Delay	Delay EMBEDDED AUDIO of SDI input.	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

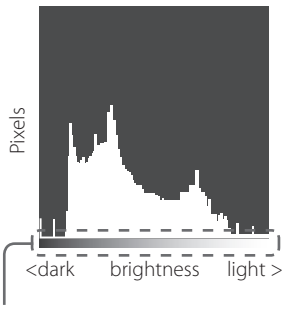
*1 Operates as SDI-1 during Dual Link input.
*2 Memorized for each input.

Scope Setting*1

Configure the settings for the wave form monitor, vector scope and histogram.

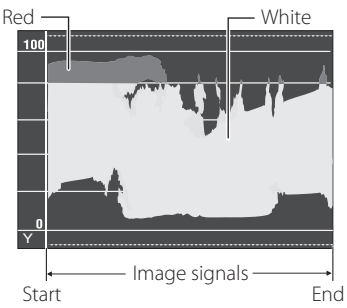
Item	To do	Setting value
Gain*2	Adjust the input gain level.	–10 to +10
Size*3	Set the window size.	Normal, Large
Position	Select the window position.	Lower Right, Lower Left Upper Left, Upper Right
Transparent	Activates/deactivates the function to make the window translucent. **Off** : Normal **On** : Translucent	Off, On
Auto Off	Set the function to turn off the window automatically 15 minutes after displayed.	Off, On
Histogram Display	Select the signal component for the histogram display.	Y, R, G, B, RGB
Wave Display	Select a wave form to be displayed for the wave form monitor.	Y, Pb, Pr (HD signal) Y, Cb, Cr (SD signal) R, G, B (RGB signal)
Wave Filter	Turn on/off the lowpass filter to put over the input wave form data.	Flat (No filter) Low pass
Wave Over Level Marking	Turn on/off the function to change the wave form color of signals over the value specified in "Wave Over Level". (☞ below)	Off, On
Wave Over Level	Adjust the lower limit for the over level.	70 – 109

<Example of the histogram display>



The start and the end of the gradient correspond to 0% and 100% of the signal.

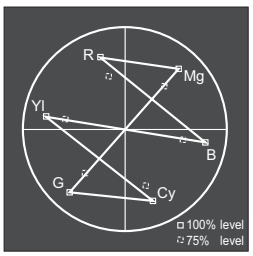
<Example of the wave form monitor>



Ex.: When the luminance signal is Y, "Wave Over Level Marking" is set to "On" and "Wave Over Level" is set to "80"

- The wave form color of signals over the value specified in "Wave Over Level" turns red.
- The display differs depending on the input signal or the "Wave Display" setting.

<Example of the vector scope>



Ex.: When the color bar is displayed

*1 The vector scope is not displayed when the input signals are RGB.
*2 Unavailable for the histogram.
*3 The size of the histogram can only be "Normal."

Sync Function

Settings for the synchronization with signals.

Item	To do	Setting value
No Sync Action	Select the screen status when no signal is coming in.	Off, Standby, Power Save (power save mode), Gray Back (gray screen)
Delay Time	Select the period until the screen status changes as selected in "No Sync Action" after signals stop coming in.	30s, 5min, 15min
Low Latency	Activates/deactivates the function to shorten the time taken to display the picture (low latency function). • If the picture is not displayed steadily while "On" is selected, select "Off." • While "On" is selected, the displayed picture may become unstable when an operation using buttons on the front panel or the menu is performed, or when the signal format changes.	Off, On

● When setting "No Sync Action" to "Gray Back," the screen color changes to gray and the power consumption of the backlight is saved by half. Selecting "Power Save" (power save mode) saves more power consumption by turning off the backlight.

No Operation Action Setting values: Off, On

Setting of the function for turning the unit off (standby) automatically when no operations are made for more than 4 hours.

Off: Does not turn off automatically
On: Turns off automatically

● When the function is turned On, a warning message will be displayed about 3 minutes before turning off automatically. When you turn on the unit with the function turned On, a message notifying that the setting is turned on will be displayed for about 30 seconds.

Closed Caption*1, *2

Settings for Closed Caption functions

Item	To do	Setting value
Closed Caption	Activate/deactivate the closed caption.	Off, On
Data Format	Select the data format of closed caption.	708, 608ANC, 608(708), 608VBI*3
Decode channel	Selects the type of closed caption.	CC1, CC2, CC3, CC4, Text1, Text2, Text3, Text4
Service Block	Selects the type of service block.	Service1, Service2, Service3, Service4, Service5

- Closed Caption does not work for all video formats.
- Closed Caption does not work for the COMPO./HDMI input.
- Closed Caption does not work for the SDI input formats 1035/60i, 1035/59.94i, 1080/60p, 1080/59.94p, 1080/50p and 3G SDI Level A.
- Depending on signal format, there maybe a case that the closed captions are not displayed properly.
- When using the 1:1 mode, closed captions may not be displayed properly.

*1 North America only.
*2 Memorized for each input.
*3 Displayed only when SD SDI signal is input.

Set-Up Menu

Function Setting

Settings for the sub menu display, tally lamp, button lamp intensity, LCD Saver and FUNCTION button.

Item	To do	Setting value
sub menu Position	Select the contents and displaying position of "sub menu." **Lower1** : Displays the current setting and adjustment bar at the lower part of the screen. **Upper1** : Displays the current setting and adjustment bar at the upper part of the screen. **Lower2** : Displays the current setting at the lower part of the screen. **Upper2** : Displays the current setting at the upper part of the screen. • The adjustment bar is not displayed for some items.	Lower1, Upper1, Lower2, Upper2
Tally Setting	Set the color and mode of the tally lamp using external control.	
Tally Type	**Normal** : Light up the entire tally. **Half** : Light up the left and right halves of the tally individually.	Normal, Half
Tally Color	Set the tally color when "Tally Type" is set to "Normal".	Green, Red
Dimmer	Select the intensity of the button lamps.	Normal, Dark
Component Phase	Deactivates the function of PHASE adjustment (Picture adjustment knob and "Picture Sub Adjust" in Set-Up Menu) except when an NTSC signal comes in (☞ on page 16).	Enable, Disable
Color Gamut	Select the color reproduction range.	ITU-709, User, Adobe RGB

Menu Configuration (cont.)

Standby Mode		Select the operation status when the monitor is powered OFF (standby). **Normal** : Changes to Low Power Mode 30 seconds after powered OFF to reduce power consumption. In this case, it cannot power on by external control. **Serial** : Can power on by external control after powered OFF. **SDI Out** : Can power on by external control after powered OFF. Furthermore, video will be output from the SDI OUT terminal.	Normal, Serial, SDI Out
LCD Saver		Configure the setting for reducing damage to the LCD panel for long-time use. (☞ on page 19)	
Setting	**1st Start**	Set the standby time. (unit: hours)	00h-24h
	Work Time	Set the time for performing the function. (unit: hours)	01h-06h
	Contrast	Set the contrast reduction.	Normal, Save
	Backlight	Reduce the backlight brightness.	Normal, Save
	OSD Contrast	Set the contrast reduction of the OSD display.	Normal, Save
	Side Mask	Select whether to use the side mask. * The Side Mask function works no matter whether the LCD Saver is active or stopped.	Off, On
	reset	Restore the default settings for all the items in "LCD Saver".	
Execute		Execute the LCD Saver function.	
Cancel		Stop the LCD Saver function. ("Cancel" will be grayed out during the function stop.)	
Status		Display the LCD Saver status.	Off, Ready
Start After		Display required time until the LCD SAVER operation starts. (unit: hours and minutes)	**h **min
Function Key Setting		Specify the function assigned to the F1/F2 button.	
Function1 **Function2**		Specify the function assigned to the F1/F2 button. * For details on the functions set up, see the menu description (pages 11 to 18).	- - -, Aperture, I/P Mode, Frame, Center Marker, Level Meter Display, Gamma, Color Temperature, CRC Error, Manual Aspect, Picture Memory Mode
Function Display		Select whether to display the status of the assigned function when you press the F1 button. **Off** : No status display. Perform the registration function. **Mode-1** : Display the status. Perform the registration function. **Mode-2** : Display the status. Do not perform the registration function. Perform the registration function when the status is displayed and the button is pressed again.	Off, Mode-1, Mode-2

- To display the "Function Key Setting" menu, press the ▽ button when the menu is not displayed.
- About the operations of F1/F2 button
  Each time you press the button, the setting value for the assigned function changes in order.
  Ex: When "Color Temperature" is assigned

  → 9300K → 6500K → 5600K → User →

  Each time you press the button, four setting values alternate.

Picture Sub Adjust

Configure the standard level of image adjustment.

Item	To do	Setting value
Contrast*1	Adjust the standard level for the contrast adjusted with the CONTRAST knob on the front panel.	–20 to +20
Bright*1	Adjust the standard level for the brightness adjusted with the BRIGHT knob on the front panel.	–20 to +20
Chroma*1	Adjust the standard level for the chroma adjusted with the CHROMA knob on the front panel.	–20 to +20
Phase*1,*2	Adjust the standard level for the phase adjusted with the PHASE knob on the front panel.	–20 to +20
NTSC Setup	Select the set-up level of the input NTSC signal.	00 (compliant with 0 % set-up signal), 7.5 (compliant with 7.5 % set-up signal)
Component Level	Select the level of the analog component signal (480i only).	B75 (compliant with BetacamVTR 7.5 % set-up signal), B00 (compliant with BetacamVTR 0 % set-up signal), SMPTE (compliant with M2VTR signals)
sub menu	Display the sub menu which enables you to adjust the items in "Picture Sub Adjust" while viewing the actual picture.	
reset	Restore the default settings for all the items in "Picture Sub Adjust".	

*1 Memorized for each input.

*2 When "Component Phase" (☞ page 15) is set to "Disable," "Phase" cannot be adjusted if no NTSC signal is input.

White Balance Setting

Display the color temperature, and adjusts the drive level and cutoff point of each color (R/G/B).

Item	To do	Setting value
Color Temperature	Select the color temperature. (Cannot be set/changed)	9300K, 6500K, 5600K, User
R Drive *1 **G Drive** **B Drive**	Adjust the drive level of each color (red, green, and blue). • The maximum (Max) and minimum (Min) values vary depending on the input signal or other settings.	Min – 000 – Max (in 1024 grades)
R Cut Off *1 **G Cut Off** **B Cut Off**	Adjust the cutoff point of each color (red, green, and blue). • The maximum (Max) and minimum (Min) values vary depending on the input signal or other settings.	Min – 000 – Max (in 1024 grades)
sub menu	Display the sub menu which enables you to adjust the items in "White Balance Setting" while viewing the actual picture.	
reset	Restore the default settings for all the items in "White Balance Setting".	

*1 Memorized for each "Color Temperature".

Remote Setting

Settings for the external control.

Item	To do	Setting value
Serial Type	Select a terminal for external control in serial mode.	RS232C, RS485
Parallel Type	Select a control method of the MAKE/TRIGGER terminal.	Make, Trigger, Set
Pin1 **Pin2** **Pin3** **Pin4** **Pin5**	Assign the control functions to the pins of the MAKE/TRIGGER terminal. • Assign a function to each pin terminal by selecting "Set" in "Parallel Type" mentioned above.	☞ "Display" in "Functions controlled by the MAKE/ TRIGGER system" on page 21
Pin6	The functions are assigned for "Pin6" – "Pin8" and you cannot change the assignment of these functions.	Tally
Pin7		Enable
Pin8		GND

Information

Settings for the information display of the monitor.

Item	To do	Setting value
Source ID	Select whether the name assigned in "Character Setting" (☞ below) is displayed on the screen (☞ "On the Information Display" on page 8). • When "Auto" is selected, the display color synchronizes with the color of the tally lamp while the tally lamp is lit.	Off, On, Auto
Character Setting	Assign a name to each video source as you like (10 characters at maximum). You can also enter a name using the RS-232C system. (☞ Page 19)	
Status Display	Display/Hide the status of the current input and the setting of MUTING. (☞ "On the Status Display" on page 8)	Auto, Off, On
Time Code	Select the type of the TIME CODE display.	VITC*1, LTC*1, D-VITC
CRC Error	Display/Hide the CRC error when the HD SDI signal is input. (☞ "On the Information Display" on page 8)	Off, On
Sub Hour Meter	Display the hours of use (unit: hour). The usage time can be reset to 0.	
Model	Display the model name of the monitor.	
Version	Display the version of the monitor.	
Hour Meter	Display the total hours of use (unit: hour). This item is used for maintenance of the monitor. You cannot reset this item.	

*1 Ancillary time code

Control Lock Setting values: Off, Volume Lock, All Lock

Settings for disabling the buttons on the front panel.

- The following operations are not available when "Volume Lock" is selected.
  - Picture adjustment knob
  - VOLUME adjustment knob
- The "All Lock" function disables to control the buttons on the front panel. But following operations are available.
  - Turning on/off (on standby) the monitor
  - Displaying the Set-Up Menu by pressing ◁ button while holding ▽ button and turning "Control Lock" to "Off"
  - Operating the monitor by an external control

If you try other operations, "Control Lock On!" appears on the screen.

Language Setting values: English, Deutsch, Français, Español, Italiano, Русский

Select the displayed language for the menu, etc.

Menu Configuration (cont.)

SDI Format Setting value: Auto, MS1YCbCr, MS2YCbCr, MS3YCbCr, MS4YCbCr, MS2 RGB, MS3 RGB, 3G-B-DS

When "Auto" is selected, 3G SDI/HD-SDI DUAL LINK signals are automatically recognized. (Normally select "Auto.")

- If the picture is unstable with "Auto", select the setting value according to the input signal format.
- "M" (meaning "Manual") is displayed on the status display when a setting other than "Auto" is selected.

IMD

Settings for IMD (In-monitor Display). (☞ Page 19)

Item	To do	Setting value
IMD Display	Display setting **Off** : Not displayed **On** : Displayed	Off, On
IMD Protocol	Serial communication protocol setting **Off** : Supports JVC protocol **TSL V4.0** : Supports TSL UMD Protocol V4.0	Off, TSL V4.0
Address	Address setting **000 to 126** : Set a particular address	000 to 126
IMD Size	Text size setting **Small** : Small size **Middle** : Middle size **Large** : Large size	Small, Middle, Large
IMD Position	Specify the display position.	Upper, Lower
Text Color	Text color setting **Command** : Same color as that set for communication (Command) **Red, Green, Amber, Blue, Cyan, Magenta, White** : Color settings	Command, Red, Green, Amber, Blue, Cyan, Magenta, White
Tally 1 Color	Tally 1 color setting **Command** : Same color as that set for communication (Command) **Red, Green, Amber, Blue, Cyan, Magenta, White** : Color settings	Command, Red, Green, Amber, Blue, Cyan, Magenta, White
Tally 2 Color	Tally 2 color setting **Command** : Same color as that set for communication (Command) **Red, Green, Amber, Blue, Cyan, Magenta, White** : Color settings	Command, Red, Green, Amber, Blue, Cyan, Magenta, White
Background Color	Display background color setting **Black** : Set the background of the IMD display to black. **Translucent** : The picture on the monitor shows through the IMD display. **Transparent** : Set the background of the IMD display transparent.	Black, Translucent, Transparent
reset	Return the "IMD" settings to their default values.	

all reset

Restores all the settings and adjustments of the monitor to the default.

- "Hour Meter" and settings specified using the Picture adjustment knob (☞ 3 on page 6) are not reset.

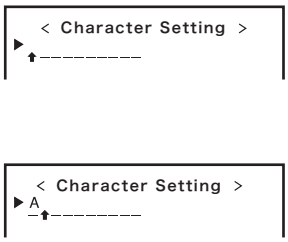
Setting of "Character Setting"

1 Change the input to one that you want to assign a video source name for.
2 Select "Character Setting".
3 Press △ ▽ buttons to select the first character.
- Each time you press △ button, the character changes as follows.
  Press ▽ button to reverse the order.

→ Space → 0～9 → A～Z → a～z → &()＊+,–./:<>_

4 Press ▷ button to move the arrow to the next space.
- The characters entered before moving the arrow are memorized.

5 Repeat steps **3** and **4** (10 characters at maximum).
6 Press MENU button to store the name.



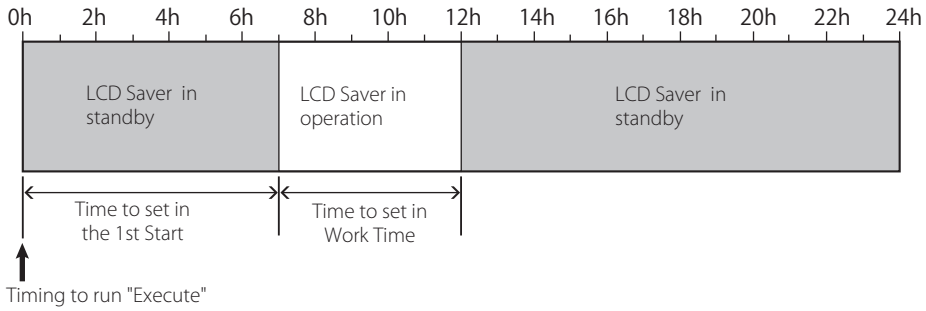
How to use the LCD Saver

1. Set reduced function to perform.
2. Set both time for starting the function and time for letting it work.
3. Activate the STANDBY MODE by Execute.

■ **Aborting the ongoing LCD Saver**
Operating this apparatus may lead to aborting the OPERATION MODE.
■ **Stopping the operation**
Executing "Cancel". Turn off the power.

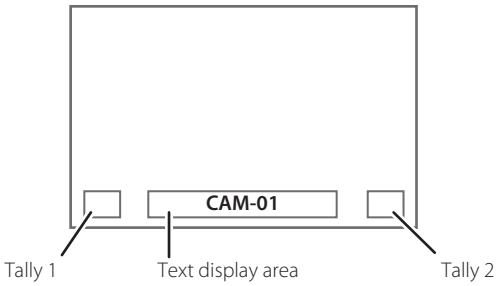
● Once operating the function, unless turned off the power or executed "Cancel", reduced function is automatically performed every 24 hours.

■ **Example of setting up "1st Start" and "Work Time"**



IMD (In-monitor Display)

This unit supports "TSL UMD Protocol – V4.0" from Television Systems Ltd.
16 character text display and one tally on each side can be controlled.
The color of both the text and the tally can be set.
Using the address setting, up to 127 units can be controlled individually.
To use, set the external control terminals of this unit to serial format.
For details of control commands, refer to the homepage of Television Systems Ltd.



*** Example of lower screen IMD display**

Low Power Mode

Puts the unit into Low Power Mode 30 seconds after the monitor is switched off (standby) to further reduce power consumption.
- Low Power Mode will not activate when "Standby Mode" on the Set-up Menu is set to "Serial" or "SDI Out".
- The power lamp will be turned off during Low Power Mode.

External Control

About the external control

This monitor has two external control terminals.

- **MAKE/TRIGGER terminal** (RJ-45): The following external control systems are available.
  (1) **MAKE (make contact) system:**
  Controls the monitor by short-circuiting the corresponding pin terminal to the GND pin terminal, or disconnecting (opening) it.
  (2) **TRIGGER (trigger) system:**
  Controls the monitor by sending the pulse signal instantaneously to the corresponding pin terminal.
  ☞ "Using the MAKE/TRIGGER system"on the right
- **RS-485 terminal** (RJ-45): Controls the monitor with the RS-485 system. (☞ "Using the serial communication" on page 21)
- **RS-232C terminal** (D-sub 9-pin): Controls the monitor with the RS-232C system. (☞ "Using the serial communication" on page 21)

Set the following items of "Remote Setting" in Set-Up Menu according to the external control terminal and control system.
(☞ "Serial Type," "Parallel Type" on page 17)

Control terminal	Control system		The settings of this unit	
			"Serial Type" setting	"Parallel Type" setting
MAKE/ TRIGGER terminal	Parallel Type	MAKE	—	Make
		TRIGGER	—	Trigger
RS-485 terminal	Serial communication	RS-485	RS485*1	—
RS-232C terminal		RS-232C	RS232C*1	—

*1 For a monitor connected to a personal computer etc, select the terminal the equipment is actually connected to. For other monitors, select "RS485."

"MAKE" takes precedence over other controls.

- You can use external control even when "Control Lock" is set to "Volume Lock" or "All Lock". (☞ page 17)
- When the monitor is off (on standby), external control is not available. But certain external controls (starting/terminating communication, turning on the monitor) are available through the serial communication. (☞ page 22)

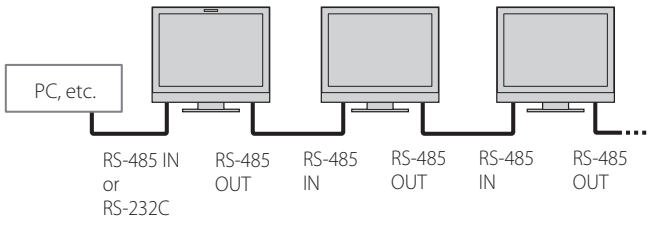
<MAKE/TRIGGER system>

You can control the monitor by a personal computer or dedicated controller*2.

- For the details, see "Using the MAKE/TRIGGER system" on the right.

*2 The controller is not commercially available. Consult your dealer if you need it.

<Serial communication>

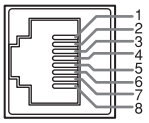


- For the details, see page 21.

Using the MAKE/TRIGGER system

The MAKE/TRIGGER terminal is configured as follows.
You can assign a function to each pin terminal in "Remote Setting".
(☞ "Pin1, Pin2, Pin3, Pin4, Pin5" in "Parallel Type" on page 17)

- You cannot change the functions assigned to the pin terminals from 6th to 8th.



This is a female terminal.

Pin No.	Pin name
1	Pin1
2	Pin2
3	Pin3
4	Pin4
5	Pin5
6	Tally*1
7	Enable*2
8	GND

*1 The 6th pin terminal controls turning on or off the tally lamp (available to control even when the 7th pin terminal is invalid).

*2 The 7th pin terminal makes the external control valid/invalid. Keep the 7th pin short-circuited to 8th pin to make the external control valid.

To assign the functions to the pin terminals

For the operation procedure, see page 9.

1. Select "Remote Setting" on the Set-Up Menu.
2. Set "Parallel Type" to "Set."
3. Select a pin name ("Pin1" – "Pin5") for which you want to assign a function, then select the function you want to assign.
   For the selectable functions, see the table on page 21.

Operation of the external control

1. Set "Parallel Type" of "Remote Setting" to "Make" or "Trigger" in the Set-Up Menu.
2. Keep the 7th pin terminal (Enable) short-circuited to the 8th pin terminal (GND) so that the monitor can be controlled by the external control.
3. When the "MAKE" system is selected: Operate each function by short-circuiting the corresponding pin terminal to the 8th pin terminal (GND) or opening it.
   When the "TRIGGER" system is selected: Operate each function by pulse control, that is short-circuiting the corresponding pin terminal to the 8th pin terminal (GND) for about 1 second and opening it.

- When changing the input with MAKE system, activate the pin you want after deactivating the currently used pin.
- When selecting the "TRIGGER" system, you can operate only one function at a time. Operate the functions one by one.

<Functions controlled by the MAKE/TRIGGER system>

Display	Functions to be controlled	Opening	Short-circuiting
– – –	No function	—	—
Tally Color	Tally lamp color selection*1	Green	Red
Tally Type	Tally lamp lighting method selection	Whole	One half at a time
Tally-L(R)	Light the left half of the tally lamp in red*2	Off	On
Tally-R(G)	Light the right half of the tally lamp in green*2	Off	On
SDI-1	Changes the input to "SDI 1"	Invalid	Valid
SDI-2	Changes the input to "SDI 2"	Invalid	Valid
HDMI	Changes the input to "HDMI"	Invalid	Valid
Compo.	Changes the input to "Compo."	Invalid	Valid
Video	Changes the input to "Video"	Invalid	Valid
Area Marker	The area marker indication	Off	On
Safety Marker	The safety marker indication	Off	On
Center Marker	The center marker indication	Off	On
Frame	Indication of the area of the specified aspect ratio	Off	On
Marker Select	Selects the items of "Marker"*3	Non-"R-" items	"R-" items
Manual Aspect	Changes the aspect ratio	4:3	16:9
1:1	Displays in 1:1 mode	Off	On
Status	Status display*4	☞ "On the Status Display" on page 8	
Level Meter	Level meter display	*5	
Time Code	Time code display	Off	On
Source ID	☞ "Source ID" in "Information" on page 17	*6	
Color Off	Color off	Color	Monochrome
Screens Check	Screens check	*7	
I/P Mode	Change a mode according to a input picture	*8	
Muting	Muting on/off	Off	On
Dimmer	Change the intensity of the button lamps	Normal	Dark
Wave Form	Wave form monitor display	Off	On
Vector Scope	Vector scope display	Off	On
Histogram	Histogram display	Off	On
Zebra Mode	Zebra mode	Invalid	Valid

*1 Can be controlled when "Tally Type" ("Set-Up Menu" ➔ "Function Setting" ➔ "Tally Setting") is set to "Normal".
*2 Can be controlled when "Tally Type" ("Set-Up Menu" ➔ "Function Setting" ➔ "Tally Setting") is set to "Half".
*3 Selects which functions in "Marker" are activated, non-"R-" items or "R-" items. (☞ "Marker" on page 12)
*4 Displays the information shown when INPUT SELECT button of the current input is pressed. (☞ "On the Status Display" on page 8) While controlling with the MAKE system, the information is displayed only at the moment of short-circuiting.
*5 While controlling with the MAKE system, the level meter is switched between displayed (short-circuiting) and hidden (opening). When "Audio Meter Display" is set to "Off" or "Lissajous" the level meter is not displayed ("No Effect" appears).
While controlling with the TRIGGER system, the pattern of the audio channel display is switched.
*6 While controlling with the MAKE system, the available set-up options will be the setting value currently selected in "Source ID" ("On" or "Auto" [short-circuiting]) and "Off" (opening). While controlling with the TRIGGER system, uses the same set-up option as those in the Set-Up Menu. (☞ "Source ID" in "Information" on page 17)
*7 While controlling with the MAKE system, the screen is switched between normal screen (opening) and blue screen (short-circuiting). While controlling with the TRIGGER system, the screen changes in the same way as when pressing SCREENS CHECK button (☞ 14 on page 7).
*8 Must be controlled with the TRIGGER system. The mode is switched between "Normal" and "Cinema". (This function cannot be controlled with the MAKE system.)

- You cannot assign the same function to different pin terminals.
- The TRIGGER system switches each function by short-circuiting the pin terminal for about 1 second and opening it.

Using the serial communication

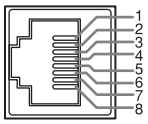
You can control the monitor from a personal computer etc. via the RS-485 or RS-232C terminal.
* Consult your dealer for the details of the external control specification.

<Communication specifications>

Input terminal	Cable	Terminal specification	Communication specifications	
RS-485	A straight LAN cable	☞ page 22	Baud Rate: 4800 bps Data Bits: 8 bits Parity: No parity	Stop Bits: 1 bit Flow Control: No control Communication Code: ASCII Code
RS-232C	A straight cable with a D-sub 9-pin connector (male for the monitor, female for the personal computer etc.)			

External Control (cont.)

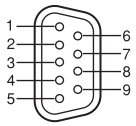
<Specifications of the RS-485 terminal>



This is a female terminal.

Pin No.	IN terminal signal	OUT terminal signal
1	TXD +	TXD +
2	TXD –	TXD –
3	RXD +	RXD +
4	NC	NC
5	NC	NC
6	RXD –	RXD –
7	NC	NC
8	GND	GND

<Specifications of the RS-232C terminal>



This is a female terminal.

Pin No.	Signal
1	NC
2	RXD
3	TXD
4	NC
5	GND
6	NC
7	RTS
8	CTS
9	NC

- The 7th terminal and the 8th terminal are connected.

<Command outline>

All commands consist of the following segments.

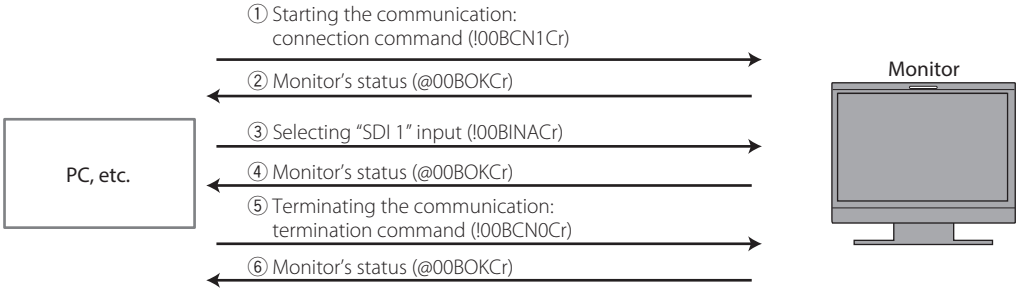
Header	Monitor ID	Function	Data	Cr (0Dh)

On Header

"!" : Operation commands from the personal computer, etc. (☞ <Basic command list> below table).
"?" : Reference commands from the personal computer, etc.
"@" : Status returns from the monitor

To start communication, send the connection command from the personal computer etc.
To terminate the communication, send the termination command from the personal computer etc.

Example of communication procedures



<Basic command list>

No.	Commands	Functions	Data
1	! * **[1] B C N O Cr	Terminates communication (termination)	No data
2	! * **[1] B C N 1 Cr	Starts communication (connection)	No data
3	! * **[1] B I D S E T x x[*2] Cr	Assigns the control ID	00-99
4	! * **[1] B I D R E T Cr	Initializes the control ID	No data
5	! * **[1] B I D D S P x x[*2] Cr	Displays/hides the control ID	00: Hide, 01: Display
6	! * **[1] B M E N U Cr	Displays the Main Menu/Quits the menu operation	No data
7	! * **[1] B U P Cr	Moves the cursor upward (△)	No data
8	! * **[1] B D O W N Cr	Moves the cursor downward (▽)	No data
9	! * **[1] B A D J R Cr	Makes setting/adjustment (▷)	No data
10	! * **[1] B A D J L Cr	Makes setting/adjustment (◁)	No data
11	! * **[1] B S E T U P Cr	Displays the Set-Up Menu	No data
12	! * **[1] B P W O Cr	Turns off monitor power control	No data
13	! * **[1] B P W 1 Cr	Turns on monitor power control	No data
14	! * **[1] B I N A Cr	Selects "A SDI1" input	No data
15	! * **[1] B I N B Cr	Selects "A SDI2" input	No data
16	! * **[1] B I N C Cr	Selects "C HDMI" input	No data
17	! * **[1] B I N D Cr	Selects "D COMPO." input	No data
18	! * **[1] B I N E Cr	Selects "E VIDEO" input	No data
19	! * **[1] B D I S P Cr	Displays signal status[*3]	No data
20	! * **[1] B A M U T E x x[*2] Cr	Turns muting on/off	00: Off, 01: On
21	! * **[1] B A S P x x[*2] Cr	Switches ASPECT (direct)	00: 4:3, 01: 16:9

- "Cr" is 0Dh.
- The commands for starting communication (connection) (No. 1), terminating communication (termination) (No. 2), and turning on the monitor (No. 9) can be used while the monitor is off (on standby) when "Standby Mode" is set to "Serial" or "SDI Out".

*1 Enter the monitor's ID for " **." The initial setting of the monitor's ID is "00." When connecting several monitors, "00" is a command for controlling all monitors at once.
*2 Enter the appropriate data to "xx."
*3 Displays the information shown when the INPUT SELECT button currently lit is pressed. (☞ "On the Status Display" on page 8)

Troubleshooting

Solutions to common problems related to the monitor are described here. If none of the solutions presented here solve the problem, unplug the monitor and consult an authorized dealer or service center.

Symptom	Probable cause and corrective action	Page
No power supply.	● Press the ⏻ / ❙ button. ● (DT-V17G2/DT-V21G2 only) Firmly insert the AC power plug or DC power plug. ● (DT-V17G2/DT-V21G2 only) Turn on the POWER switch or DC switch on the rear panel. ● (DT-V17G25/DT-V24G2 only) Firmly insert the AC power plug. ● (DT-V17G25/DT-V24G2 only) Turn on the POWER switch on the rear panel. ● When using a DC power supply, charge the battery or replace it with a charged one.	7 5 5 5 5 5
No picture with the power on.	● Select the correct input using the INPUT SELECT buttons. ● Connect the connecting cable firmly. ● Turn on the power of the connected component and set the output correctly. ● Check whether the input signal format is acceptable on the monitor.	7 5 — 27
No sound.	● Adjust the volume level. ● Deactivate the muting function. ● Connect the connecting cable firmly. ● Turn on the power of the connected component and set the output correctly. ● Set the correct inputs for “SDI-1 Select”, “SDI-2 Select”, “HDMI Select”, “Component Select” and “Video Select” in “Audio Setting”.	6 6 5 — 13
“Out of range” appears.	● Check whether the input signal format is acceptable on the monitor.	8, 27
“No Sync” appears.	● Select the correct input using the INPUT SELECT buttons. ● Connect the connecting cable firmly. ● Turn on the power of the connected component and output video signals. Or, check whether the video output of the component (video output setting of the VCR or graphic board of the computer) is set correctly.	7 5 —
Wrong color, no color.	● Adjust each picture adjustment knob on the front panel or adjust the items of “Picture Sub Adjust” in the Set-Up Menu. Or, perform “reset” in “Picture Sub Adjust.” ● Check whether the setting of COLOR OFF or SCREENS CHECK buttons are appropriate. ● Select the proper color system (“Color System”) in “Signal Setting”. ● Adjust the items of “White Balance Setting” in the Set-Up Menu. Or, perform “reset” in “White Balance Setting”.	6, 16 7 12 17
The picture becomes blurred.	● Adjust the picture contrast or brightness by using the adjustment knobs on the front panel. Or, adjust “Contrast” or “Bright” of “Picture Sub Adjust” in the Set-Up Menu.	6, 16
Wrong picture position, wrong picture size. The picture may sometimes not be able to fill the whole screen depending on the signal. In this case, nothing can be done to solve the problem. Please be aware of this beforehand.	● Check whether the setting of 1:1 is appropriate. ● Check the “Aspect” settings in the Main menu. ● Check whether the input signal format is acceptable on the monitor. ● Adjust the picture size (H Size/V Size) or position (H Position/V Position) of “Size/Position Adjust” menu.	7 11 27 11
Buttons on the monitor do not work.	● Set “Control Lock” in the Set-Up Menu to “Off.” ● You cannot use the buttons for the items controlled by the MAKE system. Disable the external control.	17 20

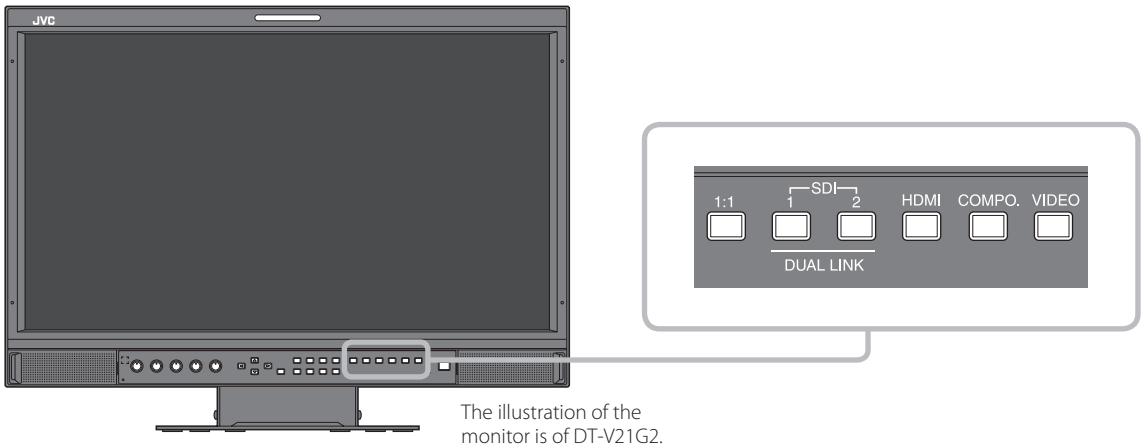
The following are not malfunctions.

- When a still image is displayed for a long time, it may remain indistinctly on the screen after the picture has changed. Though the remaining picture will disappear after a while, there may be a case that it remains for a long period depending on the length of time the still image was displayed for. This is due to the characteristics of the LCD display and is not a malfunction.
- Red spots, blue spots and green spots on the panel surface are a normal characteristic of LCD panel, and not a problem. The LCD panel is built with very high precision technology; however, be aware that a few pixels may be missing or constantly lit.
- The following symptoms are problems only when pictures or sounds are not played back normally.
  - A slight electric shock occurs when you touch the LCD panel.
  - The top and/or rear panel of the monitor becomes hot.
  - The monitor emits a cracking noise.
  - The monitor emits a mechanical noise.

Troubleshooting (cont.)

Self-check program

This monitor has a self-check function, which allows it to detect malfunctions and alert you. This makes troubleshooting easier. Whenever a problem occurs, one or some of the INPUT SELECT lamps will flash.
If this happens, follow the steps below and contact your dealer to resolve the problem.



The illustration of the monitor is of DT-V21G2.

When the screen goes blank, and one or some of the INPUT SELECT lamps (COMPO., VIDEO) on the front control panel start flashing...

1 Check which lamps are flashing.

2 Press ⏻ / I button to turn off (on standby) the monitor.

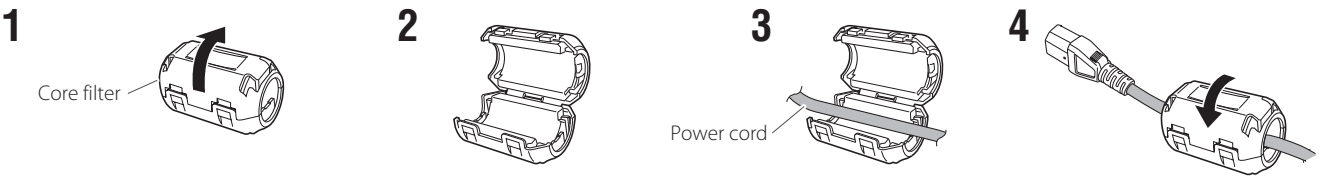
3 For DT-V21G2, DT-V17G2: Turn off the POWER switch and DC switch on the rear panel.
For DT-V24G2, DT-V17G25: Turn off the POWER switch on the rear panel.

4 For DT-V21G2, DT-V17G2: When an AC power supply is used, disconnect the AC power cord from the AC outlet.
When a DC power supply is used, detach the battery or disconnect the plug from the DC IN terminal.
For DT-V24G2, DT-V17G25: Disconnect the power cord.

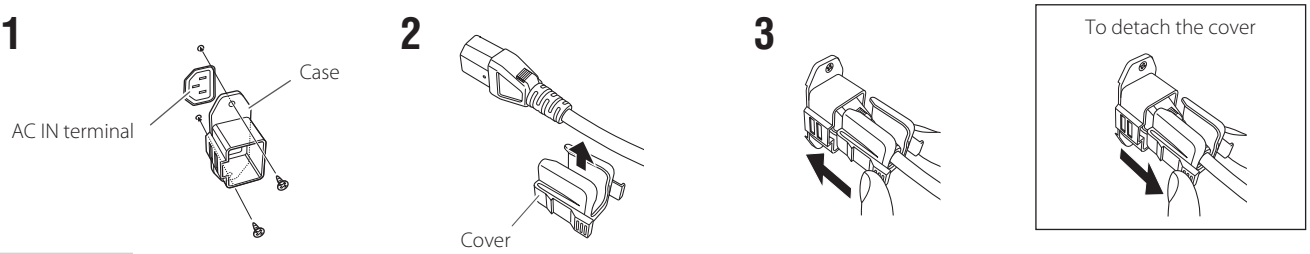
5 Contact your dealer with the information about which lamps were flashing.

- If you turn on the monitor soon after turning it off (or after a short-term power failure), the INPUT SELECT lamps may flash and no image may be displayed.
  When this happens, turn off power and wait at least 10 seconds before turning on the monitor again.
  If the INPUT SELECT lamps do not flash, you can use the monitor as normal.
- The self-check function does not work when the setup menu "Standby Mode" is set to "Normal" and you turn off the monitor (put the monitor in standby).

Attaching the Core filter (North America Only)
Using the power cord without Core filter may lead to noise.
Attach the Core filter to the AC plug end of the power cord.



Attaching the power cord holder
The provided power cord holder prevents accidental disconnection of the AC power cord from the AC IN terminal.
- The power cord holder consists of two parts, a case and a cover.



CAUTION
- Use only the provided screws.
- Make sure the plug will not be pulled out after the cover is attached to the case.

Specifications

General

Model name		DT-V24G2	DT-V21G2	DT-V17G2	DT-V17G25
Type		Multi format LCD monitor			
Screen size		Type 24 wide format	Type 21.5 wide format	Type 16.5 wide format	
Aspect ratio		16:10	16:9		
Horizontal/vertical frequency (computer signal)		H: 31.467 kHz – 75.000 kHz V: 49.990 Hz – 75.062 Hz * Some signals within this frequency range may not be displayed ("Out of range" is displayed).			
Compliant video signal format		☞ "Available signals" on page 27			
Format		3G SDI: SMPTE424M/SMPTE425M DUAL LINK HD SDI: SMPTE372M HD SDI: BTA S-004C, SMPTE292M SD SDI: ITU-R BT.656: 525/625 SMPTE259M: 525 EMBEDDED AUDIO: SMPTE299M, SMPTE272M			
Audio output		Internal speaker: 1.0 W + 1.0 W			
Operating conditions		Operating temperature: 5°C – 35°C Operating humidity: 20% – 80% (non-condensing) (Slightly variable depending on ambient conditions for installation.)			
Power requirements		AC 120 V / AC 220 V – 240 V, 50 Hz/60 Hz	AC 120 V / AC 220 V – 240 V, 50 Hz/60 Hz or DC 12 V – 17 V		AC 120 V / AC 220 V – 240 V, 50 Hz/60 Hz
Rated current	North America	0.72 A (AC 120 V)	0.61 A (AC 120 V) 5.0 A (DC 12 V – 17 V)	0.47 A (AC 120 V) 3.7 A (DC 12 V – 17 V)	0.55 A (AC 120 V)
	Europe	0.42 A (AC 220 V – 240 V)	0.39 A (AC 220 V – 240 V) 5.0 A (DC 12 V – 17 V)	0.30 A (AC 220 V – 240 V) 3.7 A (DC 12 V – 17 V)	0.33 A (AC 220 V – 240 V)
External dimensions (excluding protruding parts)	with the stand	Width: 564 mm (22 1/4″) Height: 448.6 mm (17 11/16″) Depth: 243 mm (9 5/8″)	Width: 515 mm (20 5/16″) Height: 387.6 mm (15 5/16″) Depth: 212.9 mm (8 7/16″)	Width: 430 mm (16 15/16″) Height: 349.6 mm (13 13/16″) Depth: 212.9 mm (8 7/16″)	
	without the stand	Width: 564 mm (22 1/4″) Height: 408 mm (16 1/8″) Depth: 98.7 mm (3 15/16″)	Width: 515 mm (20 5/16″) Height: 347 mm (13 11/16″) Depth: 99.8 mm (3 15/16″)	Width: 430 mm (16 15/16″) Height: 309 mm (12 3/16″) Depth: 102 mm (4 1/16″)	
Weight		10.6 kg (23.4 lbs) (with the stand) 7.7 kg (17 lbs) (without the stand)	8.6 kg (19 lbs) (with the stand) 6.2 kg (13.7 lbs) (without the stand)	8.2 kg (18.1 lbs) (with the stand) 5.8 kg (12.8 lbs) (without the stand)	8.3 kg (18.3 lbs) (with the stand) 5.9 kg (13 lbs) (without the stand)
Accessories	North America	AC power cord x 1, Power cord holder x 1, Screw x 2, Instruction manual x 1, Core filter x 1			
	Europe	AC power cord x 2, Power cord holder x 1, Screw x 2, Instruction manual x 1, CD-ROM (INSTRUCTIONS PDF) x 1			

LCD panel

	DT-V24G2	DT-V21G2	DT-V17G2	DT-V17G25
Type	24″ wide, active matrix TFT	21″ wide, active matrix TFT	17″ wide, active matrix TFT	
Effective screen size	Width: 518.4 mm (20 7/16″) Height: 324 mm (12 13/16″) Diagonal: 611.3 mm (24 1/8″)	Width: 476.1 mm (18 3/4″) Height: 267.8 mm (10 9/16″) Diagonal: 546.2 mm (21 9/16″)	Width: 365.8 mm (14 7/16″) Height: 205.7 mm (8 1/8″) Diagonal: 419.7 mm (16 9/16″)	
Number of pixels displayed	1920 x 1200	1920 x 1080		
Number of colors displayed	107.3 billion	16.77 million		107.3 billion
Viewing angle (TYP.)	178° (Horizontally), 178° (Vertically)			
Brightness (TYP.)	400 cd/m^2	300 cd/m^2		450 cd/m^2
Contrast ratio (TYP.)	1500:1			

Input/output terminals

Video	VIDEO	Input/output of composite signal: 1 line, BNC connector x 2, 1 V (p-p), 75 Ω * The input (IN) and output (OUT) terminals are bridge-connected (auto termination).
	HDMI	HDMI signal input (compatible with HDCP): HDMI connector x 1
	COMPO. (Y,PB/B-Y,PR/R-Y)	Analog Component signal input: 1 Line Y: 1 V(p-p), 75 Ω(with sync) PB/B-Y, PR/R-Y: 0.7 V (p-p), 75 Ω
	3G/HD/SD SDI (IN 1)	Digital signal input (compatible with EMBEDDED AUDIO/DUAL LINK signals): auto detection, 2 line, BNC connector x 2
	3G/HD/SD SDI (IN 2)	
	3G/HD/SD SDI (OUT1)	Digital signal output (compatible with EMBEDDED AUDIO signals): 1 line, BNC connector x 1
	3G/HD/SD SDI (OUT2: SWITCHED OUT)	Digital signal output (compatible with EMBEDDED AUDIO signals): 1 line switched out, BNC connector x 1
Audio	AUDIO ASSIGN (IN1)	Analog audio signal input: 2 line, RCA connector x 2, Stereo mini Jack x1, 500 mV (rms), high impedance
	AUDIO ASSIGN (IN 2)	
	AUDIO ASSIGN (MONITOR OUT)	Analog audio signal output: 1 line, RCA connector x 2, 500 mV (rms)
External control	REMOTE (MAKE/TRIGGER)	☞ "Using the Make/Trigger system" on page 20
	REMOTE (RS-485)	☞ "Using the serial communication" on page 21
	REMOTE (RS-232C)	

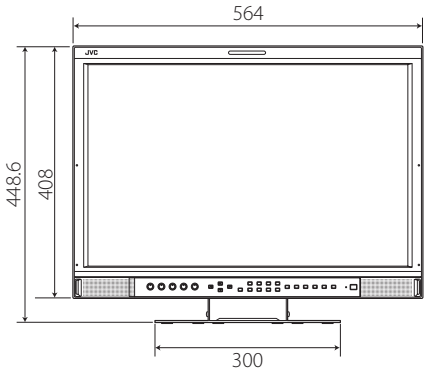
Specifications (cont.)

Dimensions

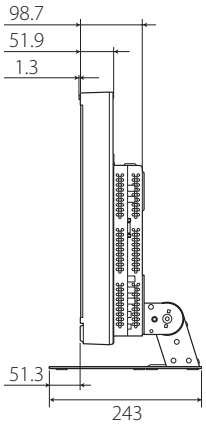
Unit: mm

DT-V24G2

<Front view>



<Side view>



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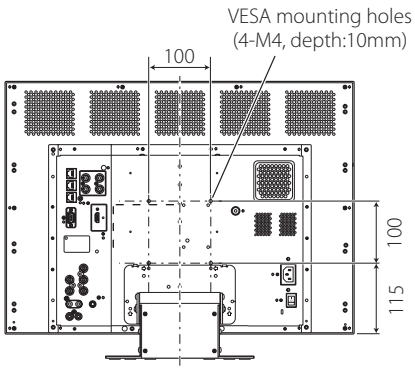
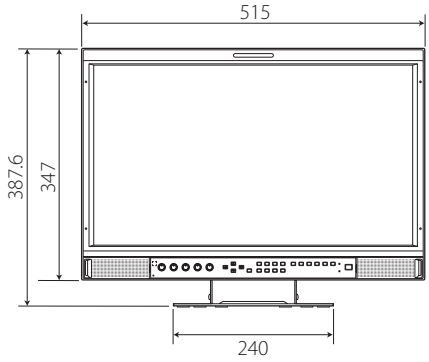
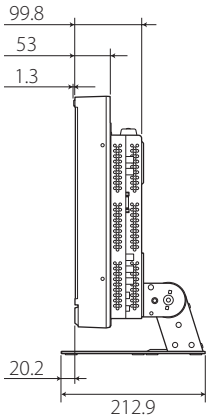


DT-V21G2

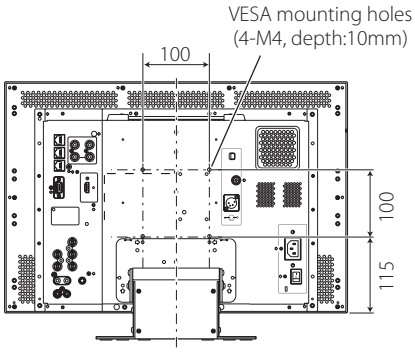
<Front view>



<Side view>

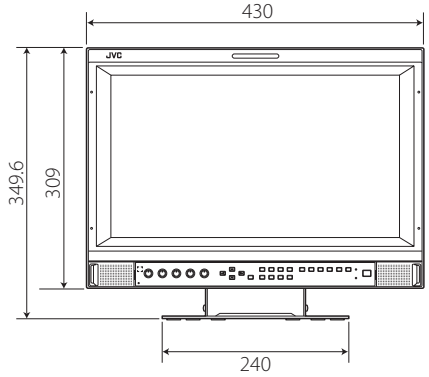


<Rear view>

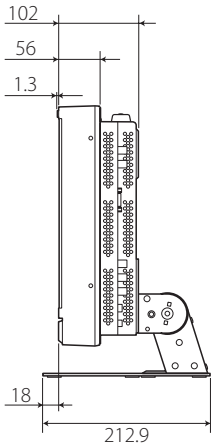


DT-V17G2, DT-V17G25 (The illustration of the monitor is of DT-V17G2)

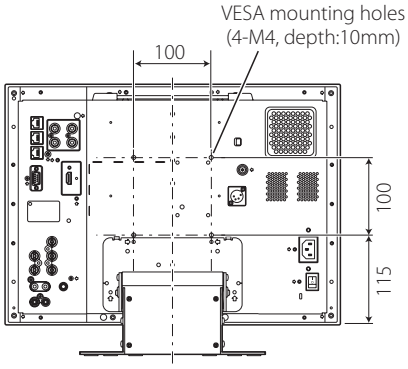
<Front view>



<Side view>



<Rear view>



Notice on transportation

This monitor is precision equipment and needs dedicated packing material for transportation.
Never use any packing material supplied from sources other than JVC or JVC-authorized dealers.

- For easy understanding, pictures and illustrations are shown by being emphasized, omitted or composed, and may be slightly different from actual products.
- Design and specifications are subject to change without notice.
- All company names and product names mentioned herein are used for identification purposes only, and may be the trademarks or registered trademarks of their respective companies.

Available signals

The following signals are available for this monitor.

Video signals

√: Acceptable
—: Not acceptable

No.	Signal name	Signal format shown in the status display (☞ page 8)*1	Input terminal					
			VIDEO	COMPO.	3G/HD/SD SDI (IN 1, IN 2)*2			HDMI
					SD/HD (1.5G)	3G SDI	DUAL LINK	
1	NTSC	NTSC	√	—	—	—	—	—
2	NTSC 4.43	N 4.43	√	—	—	—	—	—
3	PAL-M	PAL-M	√	—	—	—	—	—
4	PAL60	PAL60	√	—	—	—	—	—
5	PAL	PAL	√	—	—	—	—	—
6	PAL-N	PAL-N	√	—	—	—	—	—
7	SECAM	SECAM	√	—	—	—	—	—
8	B/W50	B/W50	√	—	—	—	—	—
9	B/W60	B/W60	√	—	—	—	—	—
10	480/60i	480/60i	—	√	—	—	—	√
11	480/59.94i	480/59.94i	—	√	√	—	—	√
12	576/50i	576/50i	—	√	√	—	—	√
13	480/60p	480/60p	—	√	—	—	—	√
14	480/59.94p	480/60p	—	√	—	—	—	√
15	576/50p	576/50p	—	√	—	—	—	√
16	640*480/60p	640*480/60p	—	—	—	—	—	√
17	640*480/59.94p	640*480/60p	—	—	—	—	—	√
18	720/60p	720/60p	—	√	√	√	—	√
19	720/59.94p	720/59.94p	—	√	√	√	—	√
20	720/50p	720/50p	—	√	√	√	—	√
21	720/30p	720/30p	—	—	√	√	—	—
22	720/29.97p	720/29.97p	—	—	√	√	—	—
23	720/25p	720/25p	—	—	√	√	—	—
24	720/24p	720/24p	—	—	√	√	—	—
25	720/23.98p	720/23.98p	—	—	√	√	—	—
26	1080/60i	1080/60i	—	√	√	√	√	√
27	1080/59.94i	1080/59.94i	—	√	√	√	√	√
28	1035/60i	1035/60i	—	—	√	—	—	√
29	1035/59.94i	1035/59.94i	—	—	√	—	—	√
30	1080/50i	1080/50i	—	√	√	√	√	√
31	1080/60p	1080/60p	—	√	—	√	√	√
32	1080/59.94p	1080/60p	—	√	—	√	√	√
33	1080/50p	1080/50p	—	√	—	√	√	√
34	1080/30p	1080/30p	—	—	√	√	√	√
35	1080/29.97p	1080/29.97p	—	—	√	√	√	√
36	1080/25p	1080/25p	—	—	√	√	√	√
37	1080/24p	1080/24p	—	—	√	√	√	√
38	1080/23.98p	1080/23.98p	—	—	√	√	√	√
39	1080/30PsF	1080/30PsF	—	—	√*6	√*3	√*3	—
40	1080/29.97PsF	1080/29.97PsF	—	—	√*7	√*4	√*4	—
41	1080/25PsF	1080/25PsF	—	—	√	√	√	—
42	1080/24PsF	1080/24PsF	—	—	√	√	√	—
43	1080/23.98PsF	1080/23.98PsF	—	—	√*8	√*5	√*5	—

- PC signals are compatible with major formats.

*1 For signal formats other than 3G/HD/SD SDI input, **/59.94, **/29.97, and **/23.98 will be displayed as **/60, **/30, and **/24 respectively.
*2 Compatible with EMBEDDED AUDIO signals.
*3 If there is no payload ID, the signal is regarded as 1080/60i, and "1080/60i" and the status appear.
*4 If there is no payload ID, the signal is regarded as 1080/59.94i, and "1080/59.94i" and the status appear.
*5 If there is no payload ID, the signal is regarded as 1080/50i, and "1080/50i" and the status appear.
*6 The signal is regarded as 1080/60i, and "1080/60i" and the status appear.
*7 The signal is regarded as 1080/59.94i, and "1080/59.94i" and the status appear.
*8 The signal is regarded as 1080/50i, and "1080/50i" and the status appear.

- HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.
- HDCP stands for High-bandwidth Digital Content Protection, a copy protection technology of high reliability licensed by Digital Content Protection, LLC.

Sicherheitsmaßregeln (Deutsch)

Vor der Verwendung lesen Sie die „Sicherheitsmaßregeln“ sorgfältig durch, und bedienen Sie das Produkt richtig.

Achtung: Dies ist ein Klasse-A-Produkt. In nichtgewerblichen Umgebungen können von dem Gerät Funkstörungen ausgehen, zu deren Beseitigung vom Benutzer geeignete Maßnahmen zu ergreifen sind.

Ausschließlich mit der zulässigen Netzspannung.
- Netzstrom: 120 V / 220 V – 240 V, 50 Hz/60 Hz
- Gleichstrom: 12 V – 17 V (Nur DT-V21G2/DT-V17G2)

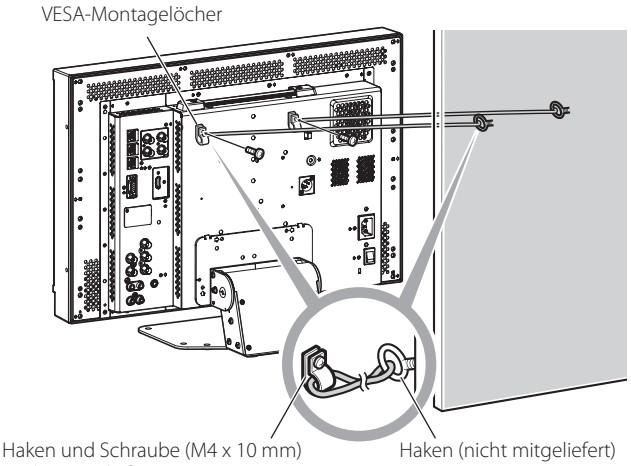
WARNUNG

Zum Verhindern von Verletzungen durch versehentliches Herunterfallen

Bringen Sie den Monitor mit Drähten an einer Wand an.

Anbringen des Monitors

Bringen Sie den Haken (nicht mitgeliefert) an die VESA-Montagelöcher an der Rückseite (verwenden Sie die beiden Löcher an der Oberseite) mit den Schrauben M4 x 10 mm (nicht mitgeliefert) an. Binden Sie die Haken an der Rückseite des Monitors an einer Wand oder einer Säule mit haltbarem Faden fest.



Die Abbildung des Monitors zeigt das Modell DT-V21G2.

EMV-Ergänzung

Dieses Gerät entspricht den Vorschriften und Schutzanforderungen der entsprechenden europäischen Richtlinien. Dieses Gerät ist für professionelle Videoausrüstungen ausgelegt und kann in den folgenden Umgebungen verwendet werden:
- Umgebung mit kontrollierter EMV (zum Beispiel speziell gebaute Sende - oder Aufnahmestudios) und ländliche Umgebungen im Freien (weit von Eisenbahnen, Sendern, Starkstromleitungen usw. entfernt).

Um die beste Leistung zu bewahren und elektromagnetische Verträglichkeit sicherzustellen, empfehlen wir, Kabel zu verwenden, die die folgende Länge nicht überschreiten:

Kabel	**Länge**
Netzkabel (befestigtes Kabel (H05VV-F 3 x 0,75 mm^2))	2,0 m
Videosignalkabel (Koaxialkabel)	2,0 m
Audiosignalkabel (abgeschirmtes Kabel)	1,5 m
HDMI-Kabel (abgeschirmtes Kabel)	2,0 m
RS-232C-Kabel (abgeschirmtes Kabel) (Ein Direktverbindungskabel mit einem D-sub 9-Pin-Anschluss)	2,0 m
RS-485-Kabel (verdrilltes Leiterpaarkabel) (Ein direktverbindendes LAN-Kabel)	2,0 m
REMOTE-Kabel (verdrilltes Leiterpaarkabel) (Ein direktverbindendes LAN-Kabel)	2,0 m

ACHTUNG

Wenn starke elektromagnetische Wellen oder Magnetismus in der Nähe des Audiokabels oder Signalkabels sind, können Ton oder Bild durch Rauschen gestört werden. In solchen Fällen verlegen Sie das Kabel bitte weiter von den Störquellen entfernt.

Produktdatenblatt

Lieferanten	JVCKENWOOD Corporation			
Modellbezeichnung	DT-V24G2	DT-V21G2	DT-V17G2	DT-V17G25
Energieeffizienzklasse	C	C	D	D
Sichtbare Bildschirmdiagonale	24 inch/61 cm	21,5 inch/55 cm	16,5 inch/42 cm	16,5 inch/42 cm
Leistungsaufnahme im Ein-Zustand	38,9 W	38,8 W	29,0 W	29,7 W
Jährliche Energieverbrauch*1	57 kWh	57 kWh	43 kWh	44 kWh
Leistungsaufnahme im Bereitschafts-Zustand	0,29 W	0,29 W	0,30 W	0,30 W
Bildschirmauflösung	1920 x 1200 pixels	1920 x 1080 pixels	1920 x 1080 pixels	1920 x 1080 pixels

*1 Energieverbrauch XYZ kWh/Jahr, auf der Grundlage eines täglich vierstündigen Betriebs des Fernsehgeräts an 365 Tagen. Der tatsächliche Energieverbrauch hängt von der Art der Nutzung des Fernsehgerätes ab.

Précautions de sécurité (Français)

Assurez-vous de lire attentivement les “Précautions de sécurité”, puis d’utiliser l’appareil correctement.

Avertissement: C’est un produit de classe A. Dans un environnement domestique, cet appareil peut causer des interférences radio et dans ce cas l’utilisateur peut être requis de prendre les mesures correctives nécessaires.

N’utiliser que la source d’alimentation spécifiée sur l’appareil.
- Alimentation secteur: 120 V / 220 V – 240 V, 50 Hz/60 Hz
- Alimentation CC: 12 V – 17 V (DT-V21G2/DT-V17G2 uniquement)

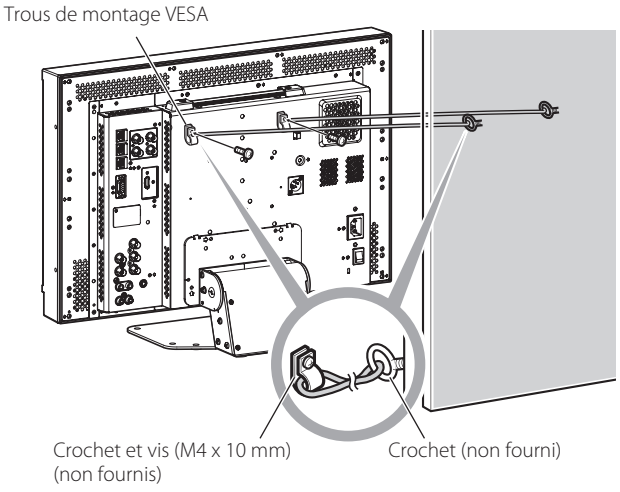
AVERTISSEMENT

Pour éviter les blessures causées par une chute accidentelle

Fixez le moniteur sur un mur en utilisant des cordes.

Fixation du moniteur

Attachez le crochet (non fourni) autres trous de montage VESA sur le panneau arrière (utilisez les deux trous de la partie supérieure) en utilisant des vis M4 x 10 mm (non fournies). Attachez les crochets du panneau arrière du moniteur sur un mur ou un pilier en utilisant une corde durable.



L’illustration du moniteur est du DT-V21G2.

Supplément EMC

Ce matériel est en conformité avec les provisions et exigences de protection des directives européennes correspondantes. Ce matériel est conçu pour des applications vidéo professionnelles et peut être utilisé dans les milieux suivants:
- Milieux contrôlés EMC (par exemple studio d’enregistrement ou conçu pour la diffusion), et en extérieur (loin des lignes de chemins de fer, des émetteurs, des lignes aériennes haute tension, etc.)

Pour maintenir la meilleure performance et pour assurer la compatibilité électromagnétique, nous recommandons l’utilisation de câbles n’excédant pas les longueurs suivantes:

Câble	Longueur
Cordon d’alimentation (câble fourni (H05VV-F 3 x 0.75 mm^2))	2,0 m
Câble de signal vidéo (câble coaxial)	2,0 m
Câble de signal audio (câble blindé)	1,5 m
Câble HDMI (câble blindé)	2,0 m
Câble RS-232C (câble blindé) (Un câble rectiligne avec un connecteur D-Sub 9 broches)	2,0 m
Câble RS-485 (câble à paire torsadée) (Un câble réseau rectiligne)	2,0 m
Câble REMOTE (câble à paire torsadée) (Un câble réseau rectiligne)	2,0 m

PRÉCAUTION

Dans le cas où il y a des ondes électromagnétiques puissantes ou du magnétisme près du câble audio ou du câble de signal, le son ou l’image contiendra du bruit. Dans ce cas, veuillez éloigner le câble des sources de la perturbation.

Fiche produit

Fournisseur	JVCKENWOOD Corporation			
Nom du modèle	DT-V24G2	DT-V21G2	DT-V17G2	DT-V17G25
Classes d’efficacité énergétique	C	C	D	D
Diagonale d’écran visible	24 inch/61 cm	21,5 inch/55 cm	16,5 inch/42 cm	16,5 inch/42 cm
Consommation électrique en mode marche	38,9 W	38,8 W	29,0 W	29,7 W
Consommation d’énergie annuelle*1	57 kWh	57 kWh	43 kWh	44 kWh
Consommation électrique en mode veille	0,29 W	0,29 W	0,30 W	0,30 W
Résolution	1920 x 1200 pixels	1920 x 1080 pixels	1920 x 1080 pixels	1920 x 1080 pixels

*1 Consommation d’énergie de “XYZ” kWh par an, sur la base de la consommation électrique d’un téléviseur fonctionnant quatre heures par jour pendant trois cent soixante-cinq jours. La consommation réelle dépend des conditions d’utilisation du téléviseur.

Precauzioni di sicurezza (Italiano)

Prima dell'uso si raccomanda di leggere con attenzione le "Precauzioni di sicurezza".

Avvertenza: Prodotto di classe A. In ambiente domestico il prodotto può provocare radiodisturbi che l'utente è tenuto ad eliminare adottando idonee misure.

Usare solamente le sorgenti di alimentazione specificate sull'apparecchio.
- Alimentazione CA: 120 V / 220 V – 240 V, 50 Hz/60 Hz
- Alimentazione CC: 12 V – 17 V (Solo DT-V21G2/DT-V17G2)

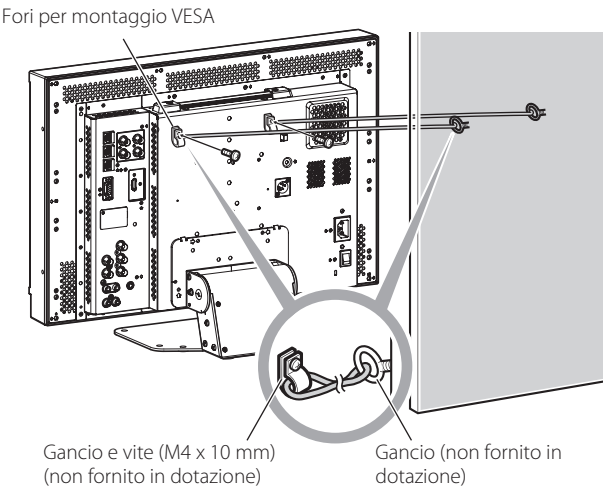
AVVERTENZA

Per impedire la caduta accidentale del monitor e conseguenti lesioni alle persone

Fissare il monitor a una parete usando cavi robusti.

Fissaggio del monitor

Con le viti M4 x 10 mm (non fornite in dotazione all'apparecchio) fissare i ganci (anch'essi non forniti) ai due fori di montaggio VESA ubicati sul pannello posteriore in posizione superiore. Fissare quindi ai ganci due cavetti robusti la cui estremità opposta dovrà a sua volta essere fissata a una parete o a una colonna.



L'illustrazione del monitor si riferisce al modello DT-V21G2.

Supplemento EMC (compatibilità elettromagnetica)

Questo apparecchio è conforme alle disposizioni e ai requisiti di protezione delle corrispondenti direttive Europee. Questo apparecchio è rivolto all'uso video professionale ed è impiegabile nei seguenti ambienti:
- Ambienti a controllo EMC, o compatibilità elettromagnetica (ad esempio negli studi di diffusione dedicati a scopi specifici) e in aree esterne isolate (lontane dalle stazioni ferroviarie, dai trasmettitori, dalle linee elettriche sospese, ecc.)

Per garantire il mantenimento delle prestazioni ottimali e la necessaria compatibilità elettromagnetica raccomandiamo di usare cavi che non eccedano la seguente lunghezza:

Cavo	Lunghezza
Cavo di alimentazione (cavo applicato (H05VV-F 3 x 0,75 mm^2))	2,0 m
Cavo dei segnali video (cavo coassiale)	2,0 m
Cavo dei segnali audio (schermato)	1,5 m
Cavo HDMI (schermato)	2,0 m
Cavo RS-232C (schermato) (Un cavo dritto provvisto di connettore D-sub a 9 contatti)	2,0 m
Cavo RS-485 (cavo elettrico bipolare) (Un cavo LAN dritto)	2,0 m
Cavo REMOTE (cavo elettrico bipolare) (Un cavo LAN dritto)	2,0 m

ATTENZIONE

Qualora nelle vicinanze del cavo audio o di quello dei segnali vi siano forti onde elettromagnetiche o comunque forti campi magnetici, il suono o le immagini potrebbero essere disturbate da rumore. In tal caso si raccomanda di mantenere questi cavi lontani da qualsiasi possibile fonte di disturbo.

Scheda prodotto

Fornitore	JVCKENWOOD Corporation			
Nome del modello	DT-V24G2	DT-V21G2	DT-V17G2	DT-V17G25
Classe di efficienza energetica	C	C	D	D
Diagonale dello schermo visibile	24 inch/61 cm	21,5 inch/55 cm	16,5 inch/42 cm	16,5 inch/42 cm
Classe di Efficienza Energetica	38,9 W	38,8 W	29,0 W	29,7 W
Consumo annuo di energia*1	57 kWh	57 kWh	43 kWh	44 kWh
Consumo di energia in modo stand-by	0,29 W	0,29 W	0,30 W	0,30 W
Risoluzione	1920 x 1200 pixels	1920 x 1080 pixels	1920 x 1080 pixels	1920 x 1080 pixels

*1 Consumo di energia XYZ kWh/anno calcolato sulla base del consumo di un televisore in funzione per 4 ore al giorno per 365 giorni. Il consumo effettivo di energia dipende dall'utilizzo reale del televisore.

Precauciones de seguridad (Español)

Para un uso seguro, asegúrese de leer detenidamente las “Precauciones de seguridad” antes de utilizar el producto.

Advertencia: Este es un producto de Clase A. En un entorno residencial, este producto puede causar interferencias, en cuyo caso el usuario debe tomar las medidas adecuadas.

Utilice sólo la fuente de alimentación especificada en la unidad.
- Alimentación de CA: 120 V / 220 V – 240 V, 50 Hz/60 Hz
- Alimentación de CC: 12 V – 17 V (Sólo DT-V21G2/DT-V17G2)

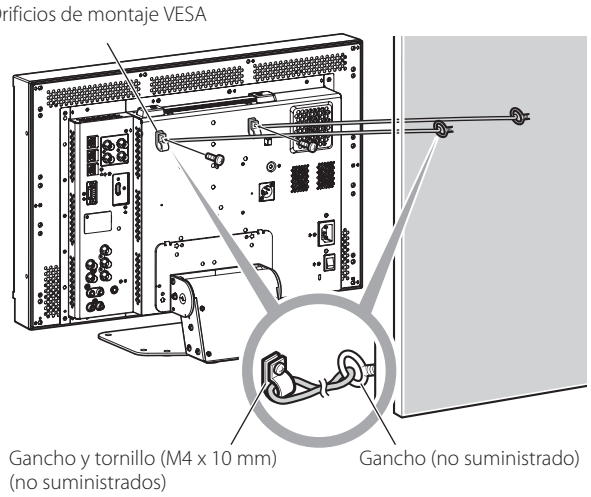
ADVERTENCIA

Para evitar lesiones mediante una caída accidental

Utilice cuerdas para fijar el monitor a la pared.

Fijación del monitor

Fije el gancho (no suministrado) en los orificios de montaje VESA del panel trasero (utilice los dos orificios del lado superior) utilizando tornillos M4 x 10 mm (no suministrados). Fije los ganchos de la parte trasera del monitor a la pared o un pilar mediante una cuerda resistente.



La ilustración muestra el monitor DT-V21G2.

Suplemento de EMC

Este equipo cumple con las provisiones y los requisitos de protección de las correspondientes Directivas Europeas. Este equipo ha sido diseñado para aparatos de vídeo profesional y puede utilizarse en los siguientes entornos:
- Entorno controlado de EMC (por ejemplo, estudio de grabación o difusión de propósito especial), y entornos rurales exteriores (alejados de ferrocarriles, transmisores, líneas aéreas eléctricas, etc.)

Para optimizar el rendimiento y asegurar compatiblidad electromagnética, se recomienda el uso de cables que no excedan la siguiente longitud:

Cable	Longitud
Cordón de alimentación (cable adjunto (H05VV-F 3 x 0,75 mm^2))	2,0 m
Cable de señal de vídeo (cable coaxial)	2,0 m
Cable de señal de audio (cable blindado)	1,5 m
Cable HDMI (cable blindado)	2,0 m
Cable RS-232C (cable blindado) (Un cable recto con un conector D-sub de 9 patillas)	2,0 m
Cable RS-485 (cable de pares trenzados) (Un cable LAN recto)	2,0 m
Cable REMOTE (cable de pares trenzados) (Un cable LAN recto)	2,0 m

PRECAUCIÓN

En el caso de haber fuertes ondas electromagnéticas o magnetismo cerca del cable de audio o del cable de señales, el sonido o la imagen contendrá ruido. En tales casos, por favor mantenga el cable alejado de las fuentes de perturbaciones.

Ficha de producto

Proveedor	JVCKENWOOD Corporation			
Nombre del modelo	DT-V24G2	DT-V21G2	DT-V17G2	DT-V17G25
Clase de eficiencia energética	C	C	D	D
Diagonal visible de la pantalla	24 inch/61 cm	21,5 inch/55 cm	16,5 inch/42 cm	16,5 inch/42 cm
Consumo de electricidad en modo encendido	38,9 W	38,8 W	29,0 W	29,7 W
Consumo de energía anual*1	57 kWh	57 kWh	43 kWh	44 kWh
Consumo de electricidad en modo de espera	0,29 W	0,29 W	0,30 W	0,30 W
Resolución	1920 x 1200 pixels	1920 x 1080 pixels	1920 x 1080 pixels	1920 x 1080 pixels

*1 Consumo de energía: XYZ kWh al año, suponiendo cuatro horas de funcionamiento diario durante 365 días. El consumo efectivo dependerá de las condiciones reales de uso de la televisión.

Меры предосторожности (Русский)

Перед эксплуатацией внимательно прочтите “Меры предосторожности”, а затем правильно управляйте изделием.

Предупреждение: Данное изделие относится к устройствам класса A. В этом случае пользователю изделия, возможно, потребуется принять соответствующие меры.

Используйте только источник питания, указанный на устройстве.
- Переменный ток: 120 В/220 В – 240 В, 50 Гц/60 Гц
- Постоянный ток: 12 В – 17 В (Только DT-V21G2/DT-V17G2)

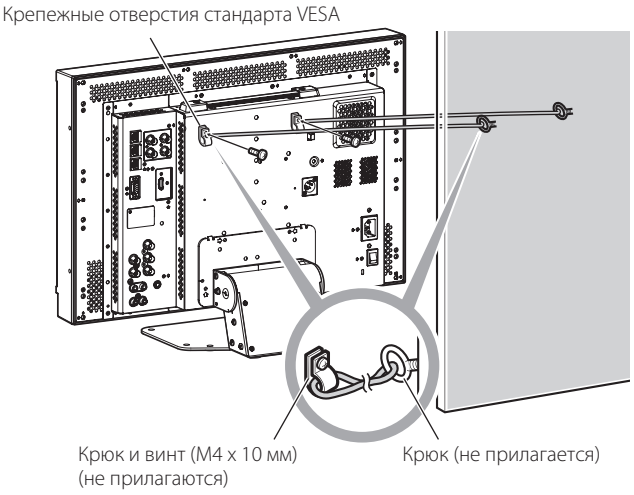
ПРЕДУПРЕЖДЕНИЕ

В целях предотвращения травм в результате случайного падения

Прикрепите монитор к стене с помощью шнуров безопасности.

Крепление монитора

Закрепите крюки (не прилагаются) в крепежных отверстиях стандарта VESA на задней панели (используйте два отверстия в верхней части) с помощью винтов M4 x 10 мм (не прилагаются). Привяжите крюки на задней панели монитора к креплению на стене или к столбу прочным шнуром.



На рисунке показан монитор DT-V21G2.

Дополнение в отношении электромагнитной совместимости

Данное оборудование отвечает положениям и требованиям безопасности соответствующих Директив ЕС. Данное оборудование разработано для профессиональных видеоустройств и может использоваться в следующих окружающих условиях:
- В условиях контролируемой EMC (например, специально построенные вещательные или записывающие студии), в условиях использования вне помещений в сельской местности (вдали от железнодорожного полотна, передатчиков, воздушных линий электропередачи и т. д.)

С целью поддержания высоких эксплуатационных характеристик и обеспечения электромагнитной совместимости, рекомендуется использовать кабели, длина которых не превышает следующие значения:

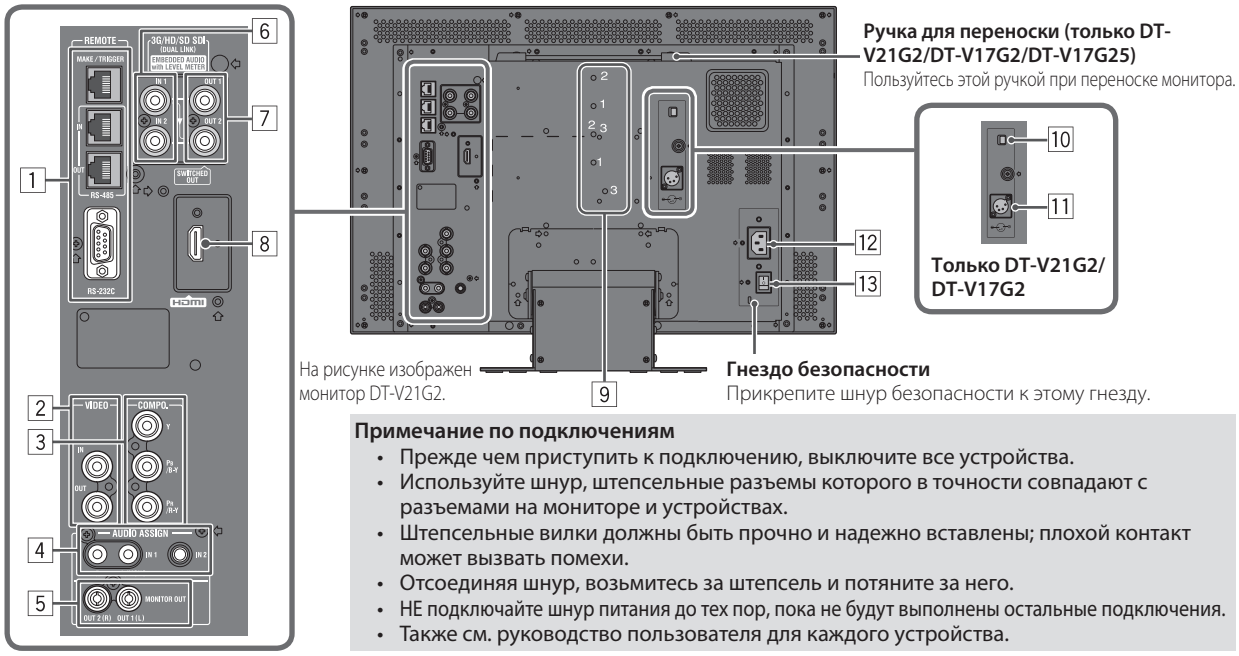
Кабель	Длина
Шнур питания (подсоединенный кабель (H05VV-F 3 x 0,75 мм^2))	2,0 м
Кабель передачи видеосигналов (коаксиальный кабель)	2,0 м
Кабель передачи аудиосигналов (экранированный кабель)	1,5 м
Кабель HDMI (экранированный кабель)	2,0 м
Кабель RS-232C (экранированный кабель) (Прямой кабель с D-sub 9-контактным соединительным разъемом.)	2,0 м
Кабель RS-485 (кабель с витой парой) (Прямой сетевой кабель)	2,0 м
Кабель REMOTE (кабель с витой парой) (Прямой сетевой кабель)	2,0 м

ПРЕДОСТЕРЕЖЕНИЕ

Наличие сильных электромагнитных волн или магнитного поля вблизи аудиокабеля или кабеля, передающего сигналы, может вызывать помехи и искажения в звуке или в картинке. В подобных случаях держите кабель вдали от источников помех.

Указатель компонентов и функций

Задняя панель



Примечание по подключениям

- Прежде чем приступить к подключению, выключите все устройства.
- Используйте шнур, штепсельные разъемы которого в точности совпадают с разъемами на мониторе и устройствах.
- Штепсельные вилки должны быть прочно и надежно вставлены; плохой контакт может вызвать помехи.
- Отсоединяя шнур, возьмитесь за штепсель и потяните за него.
- НЕ подключайте шнур питания до тех пор, пока не будут выполнены остальные подключения.
- Также см. руководство пользователя для каждого устройства.

1 Разъем REMOTE

Разъем для управления монитором с помощью внешнего устройства.

2 Разъемы VIDEO (BNC)

Входной и выходной разъемы для композитных сигналов.

3 Разъемы COMPO. (Y, PB/B-Y, PR/R-Y) (BNC)

Входные разъемы для сигнала аналогового компонента (цветового контраста).

4 Разъемы AUDIO ASSIGN (IN 1, IN 2) (IN 1: штекерное гнездо, IN 2: Φ3,5 мм)

Входные разъемы для аналоговых аудиосигналов.

- Этот разъем используется для аналогового аудиоподключения SDI. Когда на вход подается наложенный сигнал (сигнал EMBEDDED AUDIO наложен на сигнал SDI), аналоговые аудиосигналы не могут подаваться на вход.

5 Разъемы AUDIO ASSIGN (MONITOR OUT) (штекерное гнездо)

Выходные разъемы для аналогового аудиосигнала.

- Сигнал выводится через этот разъем, только когда монитор включен или находится в режиме “Энергосбереж.”.
- Сигнал EMBEDDED AUDIO...
  - декодируется в аналоговый сигнал и затем выводится;
  - выводится, только когда выбрано “SDI 1” или “SDI 2” и когда сигналы EMBEDDED AUDIO поступают на разъемы 3G/HD/SD SDI (IN 1 или IN 2).
- Аудиосигналы выводятся через разъем HDMI, только когда сигналы не защищены HDCP.
  - Даже если сигналы защищены HDCP, звук выводится через динамики.

6 Разъемы 3G/HD/SD SDI (IN 1, IN 2) (BNC)

Входные разъемы для сигналов 3G/HD/SD SDI.

- Данные разъемы также принимают сигналы EMBEDDED AUDIO, к которым относятся до 16 звуковых каналов с частотой дискретизации 48 кГц.
- Используйте разъем SDI IN 1 и SDI IN 2 при выборе DUAL LINK SDI для входа.
  - Вставьте Link A в IN 1, и Link B в IN 2.

7 Разъем 3G/HD/SD SDI (OUT 1, OUT 2: SWITCHED OUT) (BNC)

Выходной разъем для сигналов 3G/HD/SD SDI.

- Для выхода SDI OUT 1 всегда выводится сигнал SDI IN1.
- Для выхода SDI OUT 2 установите выходной сигнал в пункте “Выбор SDI2 OUT” Главное меню.
- Когда выбран какой-либо вход кроме SDI 1 и SDI 2, на выход этого разъема подается сигнал SDI входа, выбранного в прошлый раз.
- Сигналы выводятся через этот разъем, только когда монитор включен или находится в режиме “Энергосбереж.”.

8 Разъемы HDMI

Входной разъем для сигнала HDMI совместим с HDCP.

9 Отверстия для винтов крепления внешней батареи (только DT-V21G2/DT-V17G2)

С помощью 2 винтовых отверстий прикрепите внешнюю батарею, используемую в качестве источника питания постоянного тока. Выберите подходящие винтовые отверстия из 1, 2 или 3 в соответствии с типом внешней батареи. (В зависимости от типа батареи.)

Используйте внешнюю батарею Anton Bauer Dionic 90 (крепление: QR DXC-M3A).

Внимание! Не используйте внешнюю батарею в качестве источника электропитания 24 В постоянного тока. Используйте только указанную выше батарею. Если используется тяжелая батарея, то в зависимости от способа эксплуатации монитора она может отсоединиться и упасть.

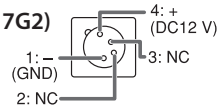
10 Выключатель DC (только DT-V21G2/DT-V17G2)

Включает и выключает питание постоянного тока.

- Чтобы включить монитор после включения выключателя DC, необходимо нажать кнопку ⏻ / | на передней панели.
- Монитор потребляет заряд батареи, даже когда находится в режиме ожидания. Чтобы продлить срок службы батареи, выключите выключатель DC.

11 Разъем DC IN (только DT-V21G2/DT-V17G2)

Разъем для подсоединения источника питания постоянного тока 12 В (макс. напряжение постоянного тока 17 В).



Когда используется источник постоянного тока 12 В (макс. напряжение постоянного тока 17 В), проверяйте сигнал на контактах разъема DC IN и соблюдайте полярность. Несоблюдение полярности может стать причиной воспламенения или травм.

- Когда одновременно используются источники питания переменного и постоянного тока, приоритет отдается использованию источника переменного тока. Если подача питания от источника переменного тока прерывается (например, при выключении выключателя POWER), питание автоматически переключается на источник питания постоянного тока.
- Используйте источник питания постоянного тока с функцией LPS (Limited Power Sources).

12 Разъем AC IN

Соединительный разъем для подачи питания от источника переменного тока. Подключите прилагаемый шнур питания от источника переменного тока к розетке переменного тока.

- Закрепите прилагаемый держатель шнура питания во избежание случайного отсоединения шнура питания переменного тока.

Внимание! Не подключайте шнур питания до тех пор, пока не будут выполнены все остальные подключения.

13 Выключатель POWER

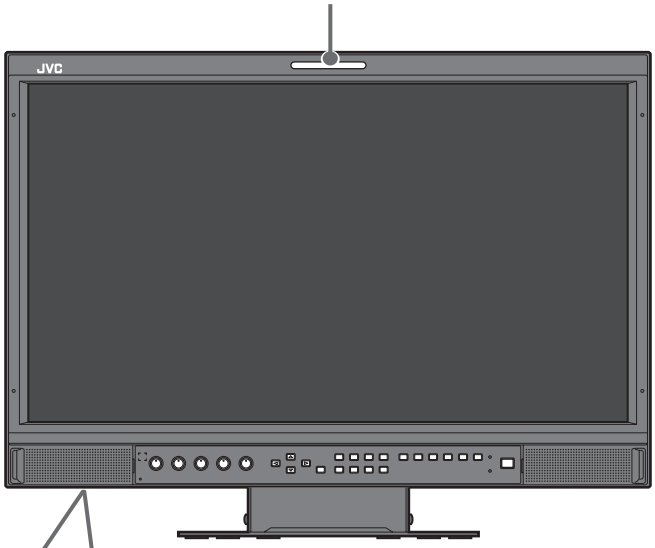
Включает и выключает питание переменного тока.

- Чтобы использовать монитор, после того как включен выключатель POWER, необходимо нажать кнопку ⏻ / |.

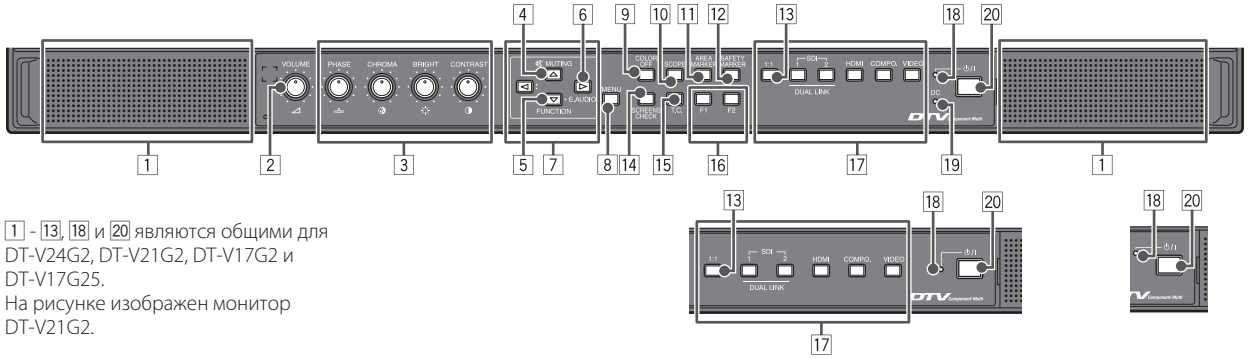
Указатель компонентов и функций (продолжение)

Передняя панель

Сигнальный индикатор
Данным индикатором управляет функция сигнальной индикации разъема MAKE/TRIGGER.
- Можно выбрать цвет сигнального индикатора из вариантов “Зеленый” или “Красный”.
  Также можно выбрать режим работы индикатора: он может включаться сразу полностью либо наполовину за раз.



На рисунке изображен монитор DT-V21G2.



1 - 13, 18 и 20 являются общими для DT-V24G2, DT-V21G2, DT-V17G2 и DT-V17G25.
На рисунке изображен монитор DT-V21G2.

DT-V24G2

DT-V17G25

- При нажатии кнопки, не предназначенной для текущего входа или формата сигнала, отображается “Недоступно” (индикатор горит, даже если функция фактически не работает).
- Невозможно использовать кнопки для регулировки элементов, которыми управляет система MAKE (отображается “Внешнее управление Вкл.”, и индикатор не загорается).

1 Динамики (стерео)
На динамики выводится тот же аудиосигнал, что и на разъемы AUDIO ASSIGN (MONITOR OUT).

2 Ручка настройки громкости VOLUME
Настройка громкости.

3 Ручка настройки изображения

PHASE:	Настройка оттенков изображения
CHROMA:	Настройка цветности изображения
BRIGHT:	Настройка яркости изображения
CONTRAST:	Настройка контрастности изображения

- Параметры PHASE и CHROMA могут не настраиваться для определенных форматов сигнала.
- Когда для параметра “Фаза Component” задано значение “Выключить” и на вход поступает сигнал NTSC, можно отрегулировать параметр PHASE.

4 Кнопка MUTING
Отключает звук (функция отключения звука).
- Для отмены функции нажмите кнопку еще раз или поверните ручку настройки VOLUME.
- Функция отключения звука также отменяется при изменении настройки “Баланс” в разделе “Настройки звука” Главное меню.
- Функция отключения звука не может активироваться, когда отображается экран меню.

5 Кнопка FUNCTION
Назначение функций кнопкам F1 и F2, когда не отображается меню.

6 Кнопка настройки EMBEDDED AUDIO
Выбор звукового канала, когда на входе SDI содержатся сигналы EMBEDDED AUDIO.

7 **Кнопки ◁ / ▷ / △ / ▽**

Когда отображается экран меню, позволяют выбрать или настроить элементы меню.

- Нажатие кнопки ◁ при нажатой кнопке ▽ выводит на экран Меню настроек.

8 **Кнопка MENU**

Включает/выключает отображение Главное меню.

9 **Кнопка/индикатор COLOR OFF**

Отображает только сигнал яркости.

- Эта функция не работает для входных сигналов RGB.

10 **Кнопка/индикатор SCOPE**

Отображает/скрывает индикацию формы сигнала и вектроскопа.

- Каждый раз при нажатии этой кнопки окно меняется в следующем порядке.

11 **Кнопка/индикатор AREA MARKER**

Отображает/скрывает маркер области.

- Стиль маркера области можно выбрать в разделе “Маркер” Главное меню.
- Эта функция работает только при выводе изображения в формате 16:9.
- Эта функция не работает, когда для параметра “Маркер области” или “Маркер области - R” установлено значение “Выкл.” в поле “Маркер”.

12 **Кнопка/индикатор SAFETY MARKER**

Отображает/скрывает маркер безопасности.

- Область маркера безопасности можно настроить в разделе “Маркер” Главное меню.
- Эта функция не будет работать, когда изображение выводится в формате 1:1 и для параметра “Размер SD4:3” в меню установлено значение “Полноразмерный”.
- Эта функция не работает, когда для параметра “Маркер безопасности” или “Маркер безопасности - R” установлено значение “Выкл.” в поле “Маркер”.

13 **Кнопка/индикатор 1:1**

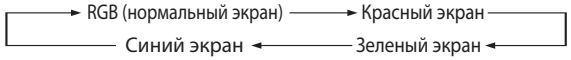
Выводит изображение с изначальным разрешением входного сигнала.

- Форматное соотношение изображения зависит от входного сигнала.

14 **Кнопка/индикатор SCREENS CHECK**

Выводит на экран только выбранный элемент (R, G или B) видеосигнала.

- Эта функция не работает для входных сигналов RGB.
- При каждом нажатии этой кнопки изображение меняется в следующем порядке.



15 **Кнопка/индикатор T.C. (временной код)**

Включает/выключает отображение данных времени (временной код), содержащихся в сигнале SDI.

- Тип временного кода можно выбрать в разделе “Информация” Меню настроек.

16 **Кнопки/индикаторы F1/F2**

Можно использовать функции, назначенные этой кнопке.

17 **Кнопки/индикаторы INPUT SELECT**

Выбор входа.

SDI 1:	Вход с разъема 3G/HD/SD SDI (IN 1)
SDI 2:	Вход с разъема 3G/HD/SD SDI (IN 2)
DUAL LINK:	Вход с разъемов 3G/HD/SD SDI (IN 1, IN 2)
HDMI:	Вход с разъема HDMI
COMPO.:	Вход с разъемов COMPO.
VIDEO:	Вход с разъема VIDEO

- Загорается индикатор для выбранного входа.

18 **Индикатор питания**

Индикатор не светится:	Монитор полностью отключен (выключен выключатель питания на задней панели) или находится в режиме низкого энергопотребления
Индикатор светится зеленым:	Монитор включен
Индикатор светится оранжевым:	Монитор отключен (в режиме ожидания)
Индикатор мигает оранжевым:	Монитор в режиме “Энергосбереж.” (энергосбережения).

19 **Индикатор DC (только DT-V21G2/DT-V17G2)**

Когда напряжение источника питания постоянного тока понижается из-за расхода заряда батареи, индикатор изменяет цвет с зеленого на оранжевый. Когда напряжение падает ниже определенного уровня, монитор автоматически отключается и индикатор становится красным.

- Перед заменой батареи обязательно выключите выключатель POWER и выключатель DC на задней панели.
- Продолжительность времени, когда индикатор светится оранжевым, определяется типом и состоянием используемой батареи. Когда индикатор начинается светиться оранжевым, батарею рекомендуется заменить.

20 **Кнопка ⏻ / I**

Включает и выключает питание (переключает монитор в режим ожидания).

- Для полного выключения монитора, выключите выключатель POWER и выключатель DC.

MULTI FORMAT LCD MONITOR DT-V24G2 / DT-V21G2 / DT-V17G2 / DT-V17G25

JVC

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