

PROTECH®

4-Screen Rack Mount HD Monitor
4連 ラックマウント HD モニター

HDM-4000

Operating Instructions

Before operating the system, please read this manual thoroughly and retain it for future reference.

取扱説明書

ご使用前に必ずこの取扱説明書をお読みください。
なお、取扱説明書は必要に応じてご覧になれるよう
大切に保管してください。

NIPPON VIDEO SYSTEM accepts no liability whatever for incidental damages arising out of the use or inability to use the product, including, but not limited to, corruption or loss of data, lost business revenue or suspension of business operations.

NIPPON VIDEO SYSTEM accepts no liability whatever for damages arising from improper use not conforming to the instructions in the instruction manuals.

To ensure proper usage, be sure to read the Safety Precautions thoroughly before using the product. Always keep this manual available for future reference. Be sure to follow the safety information to prevent injury to the user and other persons, as well as damage to property.

The following describes the meaning of safety symbols and signal words.


この製品の使用、または使用不能から生ずる付随的な損害(情報内容の変化・消失、事業利益の損失、事業の中断など)に関して、当社は責任を負いかねますのであらかじめご了承ください。

取扱説明書の記載内容を守らないこと、あるいは取扱説明書の記載内容の誤記、等により生じた損害に関して、当社は責任を負いかねますのであらかじめご了承ください。

ご使用前に、この『安全上の注意』をよくお読みのうえ、正しくお使いください。また、お読みになった後は大切に保管してください。安全上の注意は、お使いになる人や、他の人への危害、財産への損害を未然に防ぐための内容になっていますので、必ずお守りください。

表示と図記号の意味は次のようになっています。

 **Warning** Indicates a potentially hazardous operation that could result in death or serious injury to the user.


 **警告** “取扱いを誤った場合、使用者が死亡または重傷を負うことが想定されること”を示します。


- If something unusual happens; for example, it emits smoke, an unusual odor or sound, turn the power switch off.
- If it is dropped or subjected to excessive shock or is damaged, turn the power switch off.
- If water or any other fluid enters it, turn the power switch off.
- If a foreign body enters it, turn the power switch off.







- 煙が出ている、変なおいや音がする等の異常が発生した場合は、電源スイッチを切る！
- 本機を落としたり、強い衝撃を与えたり、破損した場合は、電源スイッチを切る！
- 本機の内部に水などが入った場合は、電源スイッチを切る！
- 本機の内部に異物などが入った場合は、電源スイッチを切る！

※Failing to do so may cause overheating, fire, electric shock, injury or malfunction.

※そのまま使用すると感電・事故を起こす恐れがあります。

 **Caution** Indicates a potentially hazardous operation that could result in minor or moderate injury to the user or damage to the property.

 **注意** “取扱いを誤った場合、使用者が傷害を負うことが想定されるか、または、物的損害の発生が想定されること”を示します。

-  **Prohibition 禁止** ■ Do not place any containers of fluids or any metal objects on it. Doing so may cause overheating, fire, electric shock, injury or malfunction.
-  **Prohibition 禁止** ■ Do not insert or drop objects into an opening such as vent hole in it. Doing so may cause overheating, fire, electric shock, injury or malfunction.
-  **Keep water away 水ぬれ禁止** ■ Do not wet it with fluids such as water, perspiration or seawater. Doing so may cause overheating, fire, electric shock, injury or malfunction. Take care especially when using in rainy or snowy weather or at the waterside.
-  **Keep water away 水場禁止** ■ Do not set up or leave it wherever water or any other fluid is used. Doing so may cause overheating, fire, electric shock, injury or malfunction.
-  **No disassembly 分解禁止** ■ Do not disassemble, modify or repair it. Doing so may cause overheating, fire, electric shock, injury or malfunction.
-  **Caution 注意** ■ Use a designated battery, when you will use battery for the power supply! Not doing so may result in falling. And it may cause the damage or the injury.

- 本機の上に水の入った容器、小さな金属物を置かない！
こぼれて、本機内部に入ると、発熱や火災、感電など、故障や事故を起こす恐れがあります。
- 機器の開口部から異物を差し込んだり、落とすことしないで！
発熱や火災、感電など、故障や事故を起こす原因となります。
- 機器が水、汗、海水などの液体で濡れたりしないようにする！
発熱や火災、感電など、故障や事故を起こす原因となります。
雨天、降雪中、海岸、水辺でのご使用は特にご注意ください。
- 水などの液体が使われたり、かかったりする場所で使用しない！
発熱や火災、感電など、故障や事故を起こす原因となります。
- 本機を分解、改造、修理しない！
発熱や火災、感電など、故障や事故を起こす原因となります。
- 本機の電源にバッテリーを使用する場合は、必ず指定品をご使用ください！
バッテリーが落下して、故障、破損や事故を起こす原因となります。

For inspection, overhaul or repair, contact the purchase shop or PROTECH Service center.

点検・整備・修理は、販売店または PROTECHサポートセンター にご依頼ください。

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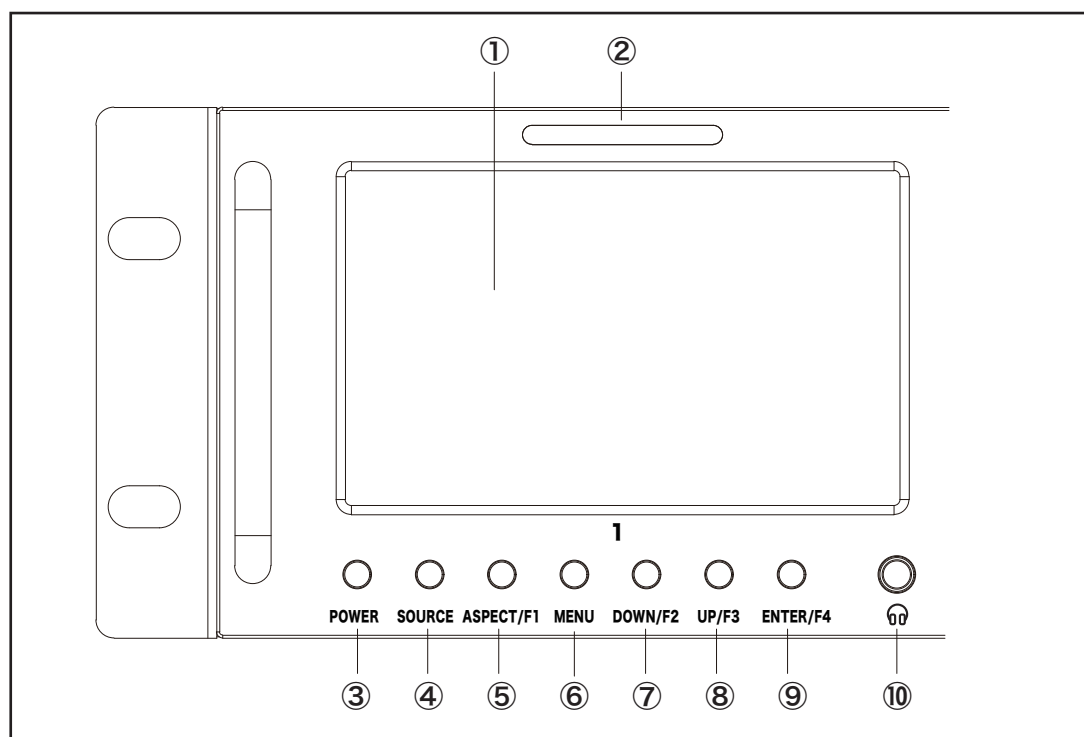
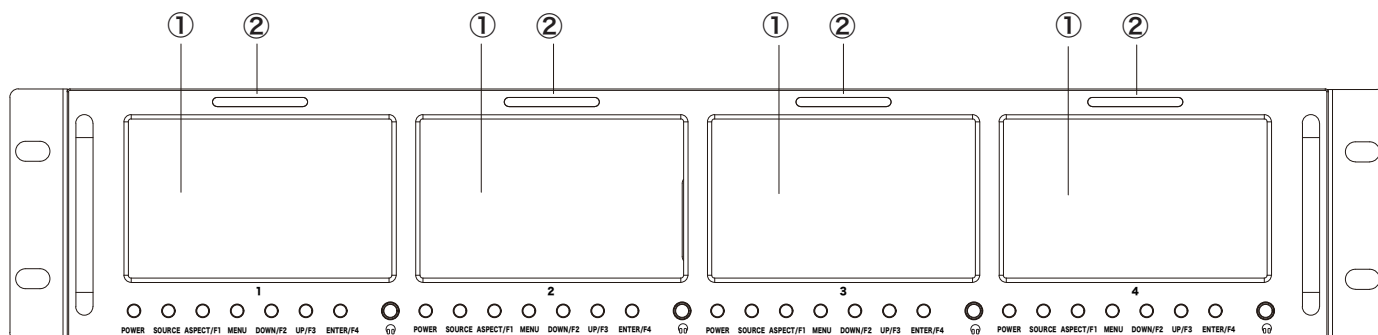
Names and Functions of Parts 各部名称と働き

4-Screen Rack Mount HD Monitor HDM-4000

各部名称と働き

Front panel

フロントパネル



① Screen

LCD screen

The display screen is 4.2 inches diagonal LCD.

① Screen

LCD 画面

画面は 4.2インチ液晶。

② TALLY

TALLY indicator

Lights up when a tally signal is input to the GPI connector on the rear panel.

② TALLY

TALLY 表示

背面の GPI コネクタに入力されるタリー信号により点灯します。

③ POWER

Power switch and indicator

Switches the power supply ON/OFF.

③ POWER

Power電源スイッチ / 表示

DC IN 12V 電源を ON/OFFします。

④ SOURCE

Input Source Select Button

Press to select the input signal to display.

SDI → HDMI → VBS Video
↑

⑤ ASPECT/F1

Aspect Select Button/ Function4 Button

Press to the aspect ratio to display.

AUTO → Full → 1:1 → 16:9 → 4:3
↑

And ASPECT/F1 button can be set to another function in the menu.

⑥ MENU

MENU Button

Press to open/display the menu, to exit the menu or to return to a previous menu.

⑦ DOWN/F2

MENU Select Button/ Function2 Button

Press to move the cursor downwards and select item. And also to confirm the function assigned to F2.

F2: factory preset function: VolDec

⑥ UP/F3

MENU Select Button/ Function3 Button

Press to move the cursor upwards and select item. And also to confirm the function assigned to F3.

F3: factory preset function: VolPlus

⑧ ENTER/F4

MENU Entry Button/ Function4 Button

Press to confirm the setting or to open a submenu. And also to confirm the function assigned to F4.

F4: factory preset function: Luma

④ SOURCE

Input Source Select Button

入力信号の選択をします。

SDI → HDMI → VBS Video
↑

⑤ ASPECT/F1

Aspect 選択ボタン/ Function4 ボタン

アスペクトの選択をします。

AUTO → Full → 1:1 → 16:9 → 4:3
↑

また、ASPECT/F1に、メニューで他の機能を設定できます。

⑥ MENU

MENU Button

メニューを表示する、メニューを消す、または一つ前のメニューに戻るときに押します。

⑦ DOWN/F2

MENU 選択ボタン/ Function2 ボタン

カーソルの下方向への移動および設定項目の選択をします。また、F2にメニュー設定した機能を実行します。

F2: 工場出荷時プリセットファンクション: VolDec

⑥ UP/F3

MENU 選択ボタン/ Function3 ボタン

カーソルの上方向への移動および設定項目の選択をします。また、F3にメニュー設定した機能を実行します。

F3: 工場出荷時プリセットファンクション: VolPlus

⑧ ENTER/F4

MENU 入力ボタン/ Function4 ボタン

押すと、設定を入力/確定、または、サブメニューへ進みます。また、F4にメニュー設定した機能を実行します。

F4: 工場出荷時プリセットファンクション: Luma

F1/F2/F3/F4 button can be set to another function in the menu.

Aspect Key (F1)	: Image size,	Luma, Vector,	TC Mode,	Audio Level,	Marker,	Color temp
Enter Key (F4)	: Aspect Ratio,	Luma, Vector,	TC Mode,	Audio Level,	Marker,	Color temp
Up Key (F3)	: VolPlus,	Luma, Vector,	TC Mode,	Audio Level,	Marker,	Color temp
Down Key (F2)	: VolDec,	Luma, Vector,	TC Mode,	Audio Level,	Marker,	Color temp

F1/F2/F3/F4に、メニューで他の機能を設定できます。

⑩ (HEADPHONE) (3.5φ)

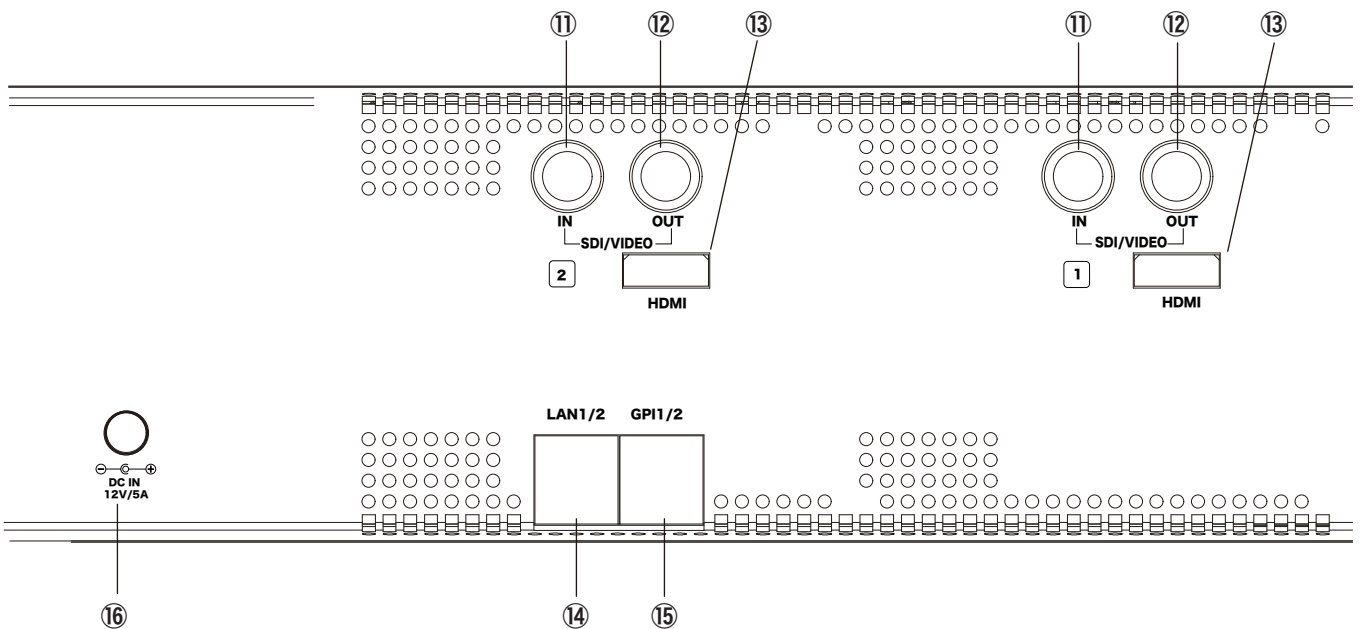
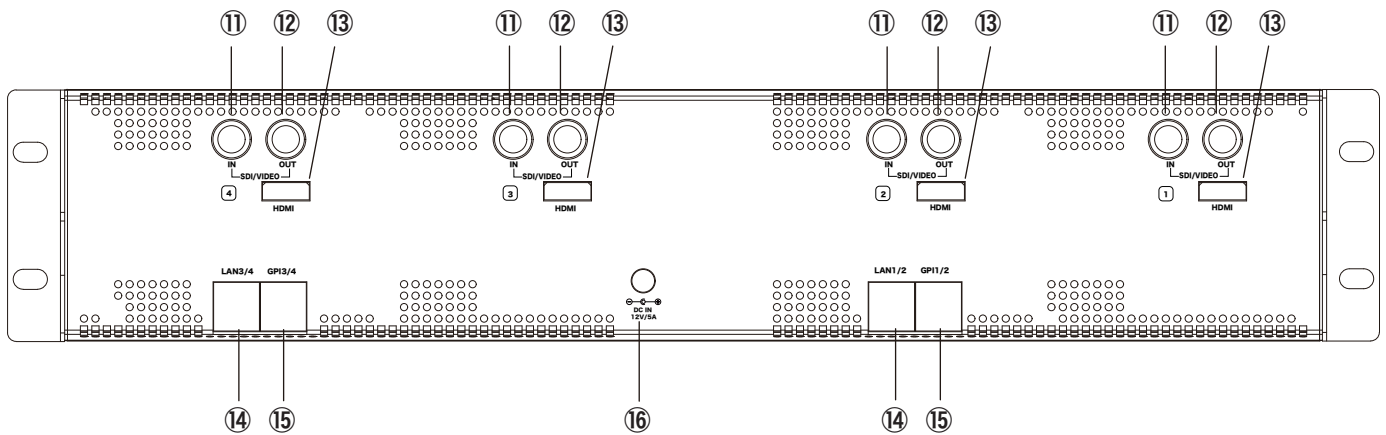
Headphone Connector

Connects to a headphone to monitor the audio.

⑩ (HEADPHONE) (3.5φ)

ヘッドホンコネクタ

ヘッドホンを接続し、オーディオをモニターします。



⑪ SDI/VBS IN 1/2/3/4 (BNC)
SDI/VBS Signal Input Connector 1/2/3/4

Connect the SDI signal or VBS video signal.
 The SOURCE button selects the input signal to display.
 Compatible with 3G-SDI.

⑪ SDI/VBS IN 1/2/3/4 (BNC)
SDI/VBS 信号入力コネクタ 1/2/3/4

SDI または VBS ビデオ信号を接続します。
 SOURCEボタンを押して入力信号を切り替えます。
 3G-SDI 対応。

⑫ OUT (SDI) 1/2/3/4 (BNC)
SDI Signal Output Connector 1/2/3/4

Outputs the SDI/VBS IN input SDI signal as is.

⑫ OUT (SDI) (BNC)
SDI 信号出力コネクタ 1/2/3/4

SDI/VBS IN 入力 SDI信号をスルー出力します。

**⑬ HDMI IN 1/2/3/4 (HDMI)
HDMI Signal Input Connector 1/2/3/4**

Connect the HDMI signal.
The SOURCE button selects the input signal to display.

**⑬ HDMI IN 1/2/3/4 (HDMI)
HDMI Signal Input Connector 1/2/3/4**

HDMI 信号を接続します。
SOURCE ボタンを押して切り替えます。

**⑭ LAN 1/2 / LAN 3/4 (RJ45)
LAN Connector 1/2/3/4**

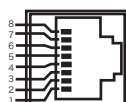
Ethernet port for color correction, upgrading, remote network control.

**⑩ LAN 1/2 / LAN 3/4 (RJ45)
LAN コネクタ 1/2/3/4**

色補正、アップグレード、リモートネットワーク制御用のイーサネットポート。

**⑮ GPI 1/2 / GPI 3/4 (RJ45)
GPI Interface Connector 1/2/3/4**

**⑮ GPI 1/2 / GPI 3/4 (RJ45)
GPI インターフェースコネクタ 1/2/3/4**



GPI 1/2

Pin	Function	Control panel	Description
1	GPI0	Panel 2	Screen 1 corresponds to GPI0, when this pin is connected with GND, GPIO works, GPIO function can be set in menu GPI option.
2	GPI1	Panel 2	Screen 1 corresponds to GPI1, when this pin is connected with GND, GPIO works, GPI1 function can be set in menu GPI option.
3	GPI0	Panel 1	Screen 2 corresponds to GPI1, when this pin is connected with GND, GPIO works, GPI1 function can be set in menu GPI option.
4	TX	Panel 1&2	Screen 1 and 2 of the RS232 interface TX, through the RS232 interface, control the first and the second screen UMD
5	RX	Panel 1&2	Screen 1 and 2 of the RS232 interface RX, through the RS232 interface, control the first and the second screen UMD
6	GPI1	Panel 1	Screen 2 corresponds to GPI1, when this pin is connected with GND, GPI1 works, GPI1 function can be set in menu GPI option.
7	NC		Not connect
8	GND		Ground

GPI 3/4

Pin	Function	Control panel	Description
1	GPI0	Panel 4	Screen 3 corresponds to GPI0, when this pin is connected with GND, GPIO works, GPIO function can be set in menu GPI option.
2	GPI1	Panel 4	Screen 3 corresponds to GPI1, when this pin is connected with GND, GPIO works, GPI1 function can be set in menu GPI option.
3	GPI0	Panel 3	Screen 4 corresponds to GPI1, when this pin is connected with GND, GPIO works, GPI1 function can be set in menu GPI option.
4	TX	Panel 3&4	Screen 3 and 4 of the RS232 interface TX, through the RS232 interface, control the first and the second screen UMD
5	RX	Panel 3&4	Screen 3 and 4 of the RS232 interface TX, through the RS232 interface, control the first and the second screen UMD
6	GPI1	Panel 3	Screen 4 corresponds to GPI1, when this pin is connected with GND, GPI1 works, GPI1 function can be set in menu GPI option.
7	NC		Not connect
8	GND		Ground

**⑯ DC IN 12V/5A
DC 12V Power Input Connector**

DC 12V power supply.

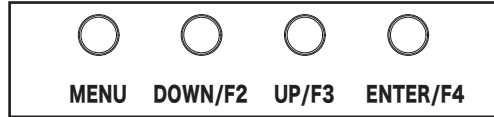
**⑯ DC IN 12V/5A
DC 12V 電源入力コネクタ**

DC 12V 電源入力コネクタ。

Menu

MENU Buttons

Used to display menus, select and adjust settings and confirm menu selections.



[MENU] Button

Press to open/display the menu, to exit the menu or to return to a previous menu.

[DOWN] Select Button

Press to move the cursor downwards and select item.

[UP] Select Button

Press to move the cursor upwards and select item.

[ENTER] Entry Button

Press to confirm the setting or to open a submenu.

MENU Operation

1. Press [MENU] to display the MAIN menu.
2. Press [DOWN][UP] to select a menu and press [ENTER].
3. Press [DOWN][UP] to select a sub menu and press [ENTER].
4. Press [DOWN][UP] to select a setting and press [ENTER].
To cancel, press [MENU].
5. To return to the previous screen, press [MENU].

Menu Configuration

1. Status

Menu display on screen

メニュー表示

Main Menu	Status
Status >	Source SDI
Picture >	Format No Signal
Img. Adj >	Color Temp 6500K
Color >	Image Size AUTO
Audio >	Scan Mode 100% Scan
Marker Setting >	Model
IMD >	Firmware
Scope >	McuSoftware
Setup >	DspSoftware
GPI&FuncKey >	

Status	
Menu item	Description
Source	Current window input signal
Format	Current window input signal format
Color Temp	Current color temperature
Image Size	The image size of the current window input signal
Scan Mode	The scan mode of the current window input signal
Model	Type version of the current monitor software
Firmware	The firmware version of the current monitor
McuSoftware	Software version of Mcu burning in the current monitor
DspSoftware	Software version of FPGA burning in the current monitor

メニュー

MENU ボタン

MENUの表示、設定の選択および調整、およびメニューで設定された機能の実行に使用します。

[MENU] ボタン

メニューを表示する、メニューを消す、または一つ前のメニューに戻るときに押します。

[DOWN] 選択ボタン

カーソルの下方向への移動および設定項目の選択をします。

[UP] 選択ボタン

カーソルの上方向への移動および設定項目の選択をします。

[ENTER] 入力ボタン

設定を入力/確定、または、サブメニューへ進みます。

MENU 操作

1. [MENU]を押して MAINメニューを表示する。
2. [DOWN][UP] を押してメニューを選択、[ENTER]を押す。
3. [DOWN][UP] を押してサブメニューを選択、[ENTER]を押す。
4. [DOWN][UP] を押して設定値を選択、[ENTER]を押す。
キャンセルするには、[MENU]を押す。
5. 一つ前の画面に戻るには、[MENU]を押す。

Menu 構成

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2. Picture

Menu display on screen

メニュー表示

Main Menu	Picture	
Status	> Brightness	50
Picture	> Contrast	50
Img. Adj	> Sharpness	50
Colour	> Colour	50
Audio	> Hue	50
Marker Setting	>	
IMD	>	
Scope	>	
Setup	>	
GPI&FuncKey	>	

↑ Factory preset values Menu display on screen
↑ 工場出荷時設定値

Picture		
Sub Menu	Setting	Description
Brightness	0-100	Brightness Adjustment
Contrast	0-100	Contrast Adjustment
Sharpness	0-100	Sharpness Adjustment
Colour	0-100	Saturation Adjustment
Hue	0-100	Color Adjustment

3. Img.Adj

Main Menu	Img. Adj	
Status	> Image Size	AUTO
Picture	> Scan Mode	100% Scan
Img. Adj	> CTI	Off
Colour	> Gray Mode	Off
Audio	> Blue Mode	Off
Marker Setting	>	
IMD	>	
Scope	>	
Setup	>	
GPI&FuncKey	>	

Img. Adj		
Sub Menu	Setting	Description
Image Size	FILL ASPECT	Original ratio of the signal source
	Full Screen	Full screen image
	1:1	At 1:1 pixel-to-pixel display.
	16:9	16:9 aspect ratio
Scan Mode	4:3	4:3 aspect ratio
	100% Scan	100% Image display
	Over Scan 5%	95% Image display
CTI	Under Scan 5%	105% image display
	On	Turn on Color Transient Improvement, a better color transition
	Off	Turn off Color Transient Improvement
Gray Mode	On	Monochrome mode with black and white image
	Off	image
Blue Mode	On	Display in Blue only
	Off	

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4. Color

Main Menu	Color	
Status	> Color space	Bypass
Picture	> Color Temp	6500K
Img. Adj	> Color custom	>
Colour	> Color adjust	>
Audio	>	
Marker Setting	>	
IMD	>	
Scope	>	
Setup	>	
GPI&FuncKey	>	

Color		
Sub menu	Setting	Description
Color Temp	3200K 5600K 6500K 9300K User	Color temperature has 4 kinds of fixed options (3200K, 5600K, 6500K, 9300K) and a custom choice.
Color custom	Red gain 0–255 Green gain 0–255 Blue gain 0–255	When adjusting the red, green, blue gain options, the “Custom” option for color temperature is automatically saved.

5. Audio

Main Menu	Audio	
Status	> Volume	20
Picture	> Audio Level	Off
Img. Adj	> Audio Out channel	CH1&CH2
Color	> Display mode	Horizontal
Audio	>	
Marker Setting	>	
IMD	>	
Scope	>	
Setup	>	
GPI&FuncKey	>	

Audio		
Sub menu	Setting	Description
Volume	0–100	Volume adjustment
Audio Level	On Off	Turn on audio meter display Turn off audio meter display
Audio Out channel	CH1&CH2 CH3&CH4 CH5&CH6 CH7&CH8	Select SDI audio CH1 and CH2 channel output Select SDI audio CH3 and CH4 channel output Select SDI audio CH5 and CH6 channel output Select SDI audio CH7 and CH8 channel output
Display mode	Vertical display Horizontal display	Audio meters vertically displayed Audio meters horizontally displayed

6. Marker Setting

Main Menu	Marker Setting	
Status	> Marker Enable	Off
Picture	> Marker Select	Off
Img. Adj	> Centert Marker	Off
Color	> Safety Area	Off
Audio	> Marker Level	Transparency
Marker Setting	> Marker Mat	Off
IMD	>	
Scope	>	
Setup	>	
GPI&FuncKey	>	

Marker Setting		
Sub menu	Setting	Description
Marker Enable	ON	All markers on
	OFF	All markers off
Marker Select	OFF	NO marker display
	4:3	Marker display 4:3
	16:9	Marker display 16:9
	15:9	Marker display 15:9
	14:9	Marker display 14:9
	13:9	Marker display 13:9
	1.85:1 2.35:1	Marker display 1.85:1 Marker display 2.35:1
Center Marker	ON	Turn on target marker
	OFF	Turn on center mark
	USER	Turn on user target tag
Safety Area	OFF	No Safety Area display
	80%	80% Safety Area display
	85%	85% Safety Area display
	88%	88% Safety Area display
	90% 93%	90% Safety Area display 93% Safety Area display
Marker Level	White	Marker line is white
	Gray	Marker line is gray
	Dark	Marker line is dark
Marker Mat	OFF	Turn off Fill up the background beyond marker
	Transparency	Background beyond marker transparent
	Half	Background beyond marker filled up with gray
	Black	filled up with black

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7. IMD

Main Menu	IMD
Status	> UMD Display Off
Picture	> UMD ID 128
Img. Adj	> UMD Char UMD-WIN0
Color	> UMD Color White
Audio	> UMD position Bottom Center
Marker Setting	> UMD Protocol TSL3.1
IMD	> OSD Tally Mode Off
Scope	> Led Tally Off
Setup	> Tally Source GPI
GPI&FuncKey	>

IMD		
Sub menu	Setting	Description
UMD Display	ON OFF	Turn on/off the UMD display
UMD ID	0-255	UMD ID can be set any value from 0-255.
UMD Char	xxxxxxx	Static UMD display, UMD characters can be manually set. UMD characters can be arbitrarily set in 8 "xxxxxxx". The setting process: Select the option to the UMD character option, press the ENTER key, select the first UMD character to be adjusted, the character to be adjusted will turn yellow, press the DOWN key or the UP key to select the desired character, After selecting, press the MENU button to exit to set the first UMD character. Similarly, set the rest of the characters.
UMD Color	Red Blue Green White	UMD Character color set to red UMD Character color set to blue UMD Character color set to green UMD Character color set to white
UMD position	Bottom Right Top Center Bottom Center	UMD display at Bottom Right UMD display at Top Center UMD display at Bottom Center
UMD	TSL3.1 TSL4.0	Select TSL3.1 Select TSL4.0
OSD Tally Mode	OFF RG GR RGY	Turn off OSD Tally Mode OSD Tally select RG mode OSD Tally select GR mode OSD Tally select RGY mode
Led Tally	ON OFF	Turn on/off the LED Tally
Tally Source	GPI TSL	Select GPI control Select TSL protocol control

8. Scope(only for SDI/HDMI/DVI signal)

Main Menu	Scope	
Status	> Luma Mode	On
Picture	> Waveform Alarm	100
Img. Adj	> Waveform Scale	Digital
Color	> Vector	Off
Audio	> Vector Scale	100%
Marker Setting	> TC Mode	Off
IMD	>	
Scope	>	
Setup	>	
GPI&FuncKey	>	

Scope(only for SDI/HDMI/DVI signal)		
Sub menu	Setting	Description
Luma Mode	On	Turn on the Y brightness waveform
	Off	Turn off the Y brightness waveform
Waveform Alarm	84%-100%	Waveform alarm can be set at any percentage between 84%-100%, it will alarm when measured waveform reach or exceed the value you set and mark them with red
Waveform Scale	Digital	Display in digital
	IRE	Display in percentage of luminance
Vector	ON OFF	Turn on/off vector
Vector Scale	100%	Vector 100% display
	75%	Vector zoom out to 75% display
TC Mode	Off	Turn off TC Mode
	LTC	Time code display as LTC mode
	VITC1	Time code display as VITC1
	VITC2	Time code display as VITC2

9. Setup

Main Menu	Setup
Status	> Language English
Picture	> Menu Timeout 20s
Img. Adj	> Menu H Position 0
Color	> Menu V Position 0
Audio	> Source Display Off
Marker Setting	> Source Char SDI
IMD	> Factory Reset >
Scope	>
Setup	>
GPI&FuncKey	>

Setup		
Sub menu	Setting	Description
Language	Chinese English	Select Chinese/English in menu
Menu Timeout	Always 20s 40s 60s	Setting menu display time
Menu H Position	0-100	Menu horizontal position adjustment
Menu V Position	0-100	Menu vertical position adjustment
Source Display	Off On	Turn off Source Display Turn on Source Display
Source Char	xxxxx	Source names can be customized. The source name can be set freely in 5 "xxxxx". The setting process: Select the option to the source name character options, press the ENTER key, select the first source name to adjust the characters to be adjusted characters will turn yellow, then press the DOWN key or the UP key to select the desired character, select a good, press the MENU key, you can exit to set the first source name. Similarly, set the rest of the characters.
Factory Reset	Yes No	Factory reset

Factory Reset

This function is to reset the monitor to factory preset. Please try to reset the monitor, when the following situations occur:

- 1.The monitor parameters are adjusted incorrect by user.
- 2.The monitor picture or sound is abnormal, and not due to hardware problem.

To do factory reset, please follow the below steps:

- 1.Press MENU button to enter main menu.
- 2.Press UP or DOWN button to select item "Setup" and Press ENTER button to enter sub menu.
- 3.Press UP or DOWN button to item "Factory reset" and Press ENTER button to enter setting.
- 4.Press UP or DOWN button to item "Yes" and Press ENTER button, and the monitor resets to factory preset.

工場出荷時設定へのリセット

この機能は、モニターを工場出荷時のプリセットにリセットします。

次のような状況が発生した場合に、モニターをリセットします。

1. モニターパラメーターが正しく調整されていない。
2. モニターの画像または音声に異常である。
(ハードウェアの問題によるものではない場合)

工場出荷時の状態にリセットする手順：

- 1.MENUボタンを押してメインメニューに入ります。
- 2.UP またはDOWNボタンを押して "Setup"を選択、ENTERボタンを押してサブメニューに入ります。
- 3.UP またはDOWNボタンを押して "Factory reset"を選択、ENTERボタンを押して Settingに入ります。
- 4.UP またはDOWNボタンを押して "Yes"を選択、ENTERボタンを押すと工場出荷時のプリセットにリセットされます。

10. GPI&FuncKey

Main Menu	GPI	
Status	> Aspect Key (F1)	Image size
Picture	> Enter Key (F4)	Luma
Img. Adj	> Up Key (F3)	VolPlus
Color	> Down Key (F2)	VolDec
Audio	> GPIO	Red Tally
Marker Setting	> GPI1	Green Tally
IMD	>	
Scope	>	
Setup	>	
GPI&FuncKey	>	

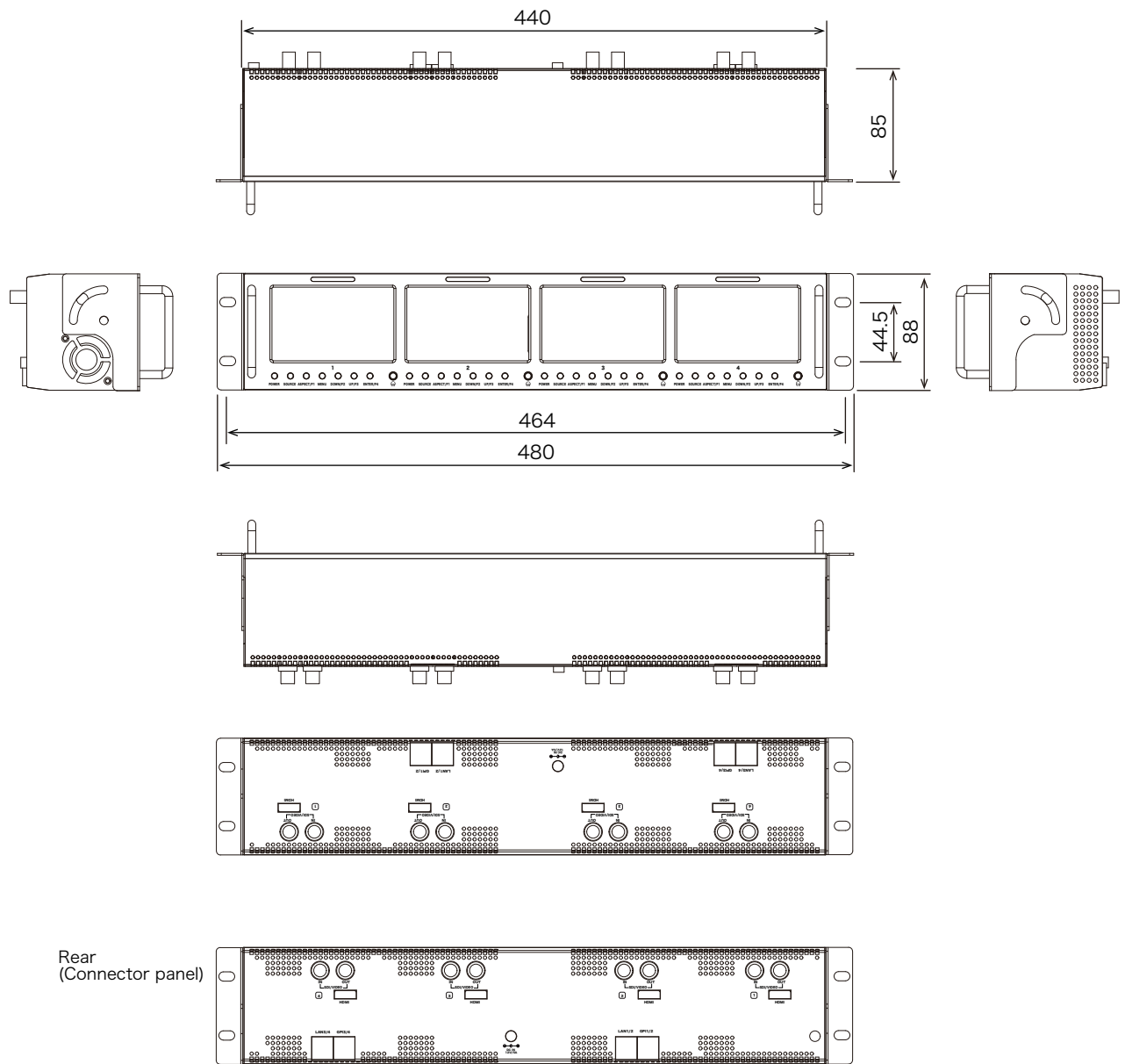
↑ Factory preset values Menu display on screen

↑ 工場出荷時設定値

GPI		
Sub menu	Setting	Description
Aspect Key (F1)	Image size Luma Vector TC Mode Audio Level Marker Color temp	ASPECT/F1 button can be customized into other function key.
Enter Key (F4)	Aspect Ratio Luma Vector TC Mode Audio Level Marker Color temp	ENTER/F4 button can be customized into other function key
Up Key (F3)	VolPlus Luma Vector TC Mode Audio Level Marker Color temp	Up/F3 button can be customized into other function key.
Down Key (F2)	VolDec Luma Vector TC Mode Audio Level Marker Color temp	DOWN/F2 button can be customized into other function key.
GPIO	Red Tally Green Tally SDI HDMI VIDEO	GPIO can be customized into other function.. When GPIO is grounded, control Tally or switch Source.
GPI1	Red Tally Green Tally SDI HDMI VIDEO	GPI1 can be customized into other function. When GPI1 is grounded, control Tally or switch Source

Dimensions 外形寸法図

4-Screen Rack Mount HD Monitor HDM-4000



Dimensions (unit: mm)
外形寸法図 (単位: ミリ)

Specifications 仕様

4-Screen Rack Mount HD Monitor HDM-4000

仕様

Display		画面		
LCD Panel	LCD パネル	IPS-LCD panel		
Size	画面サイズ	4.2" diagonal (93(H) x 55(V) mm)		
Aspect Ratio	アスペクト比	16 : 10		
Resolution	解像度	1280(H) x 768(V) HD		
Viewing Angle	視野角	170° (H), 160° (V)		
Color	色再現性	16.7M Colors		
Input / Output (Each screen)		入力 / 出力 (各画面)		
SDI Input	SDI 入力	SDI/VIDEO IN	BNC x1 (各画面)	Compatible with 3G SDI
SDI Output	SDI 出力	SDI/VIDEO OUT	BNC x1 (各画面)	SDI Input Through Output
HDMI Input	HDMI入力	HDMI IN	HDMI x1 (各画面)	
Video Signal Input	VIDEO(CVBS)入力	SDI/VIDEO IN	BNC x1 (各画面)	Composite Video (CVBS)
REMOTE	リモートコントロール	LAN 1/2 / LAN 3/4	RJ45 x1	
		GPI 1/2 / GPI 3/4	RJ45 x1	
SDI Audio Input	AUDIO入力	SDI/VIDEO IN	(各画面) 8 Channels Embedded Audio	
Audio Meter Display	AUDIOモニター	Audio Level Meter	(各画面) Vertical/Horizontal audio level meter display	
Aodio Headphone Output	AUDIOモニター出力	3.5φ Headphone Jack x1 (各画面)		
General		一般		
Power requirement	DC 電源	DC 12 V		
Power consumption	消費電力	approx. 40 W		
Operating Temperature	動作温度	0°C ~ +40°C		
Operating Humidity	動作湿度	30% ~ 85% (No condensation)(結露のないこと)		
Storage Temperature	保存温度	-10°C ~ +40°C		
Storage Humidity	保存湿度	0% ~ 90%		
Weight	質量	approx. 1.9 kg		
Dimensions (WxHxD)	外形寸法	480 x 88 x 85 mm (main body)		
VESA Installation	VESA取付	19" EIA Rack 2RU		
Accessories		付属品		
AC Power Adaptor ACアダプター/Operating Instructions 取扱説明書				

NOTE Features, design and specifications are subject to change without notice.

デザイン、仕様は、予告なく変更することがあります。

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