

MEDUSA UHDMI44

UHD HDMI2.0 Matrix Switcher With Scaler

**HDMI2.0 4x4 matrix
With Scaler converter**

HDMI2.0

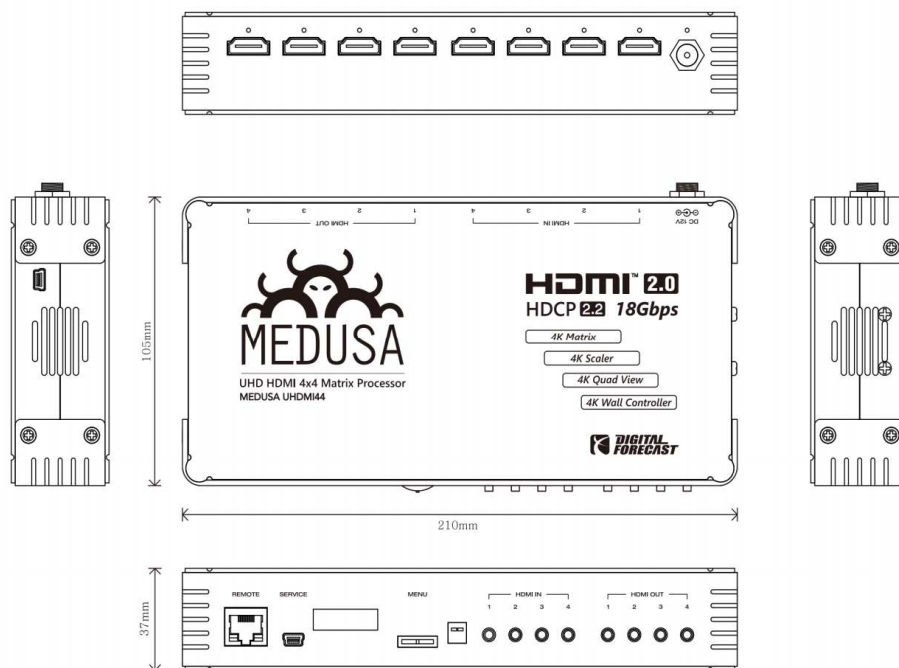
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SCALER

FEATURES

- 4 x HDMI 2.0 INPUTS
- 4 x HDMI 2.0 OUTPUTS
- 4 x 4 Matrix / Quad View/ Wall controller Function
- Standard HDMI (Max 4096x2160) format support
- Quad UHD 4K Scaler (HDMI output individual scaler settings)

DIMENSION / INTERFACE



UHD HDMI2.0 Matrix Switcher with Scaler

- 4 x HDMI 2.0 Input
- 4 x HDMI 2.0 Output
- 1 x OLED Setting LCD
- Weight: 900g

HDMI VIDEO INPUT STANDARD

- Support HDMI 2.0 standard format
- Support various PC resolutions
- Supports HD grade up to 4K resolution
 - VGA : 800x600, 1024x768, 1366x768, 1600x1200, 1920x1200
 - HD : 1280x720, 1920x1080i
 - FHD : 1920x1080
 - WFHD : 2560x1080
 - QHD : 2560x1440
 - WQXVGA : 2560x1600
 - WQHD : 3440x1440
 - UHD : 3840x2160
 - 4KUHD : 4096x2160

VIDEO OUTPUT STANDARDS

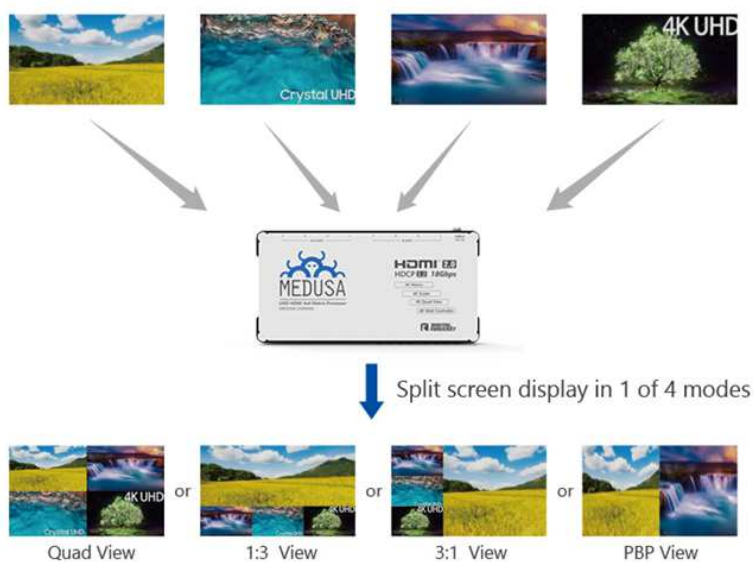
- HD : 720p (60/59.94/50) , 1080i (60/59.94/50) , 1080p (23.98/24/25/29.97/30)
- FHD : 1080p (60/59.94/50)
- 2K4K : 2160p (23.98/24/25/29.97/30)
- 4K : 2160p (60/59.94/50)

Operation Mode

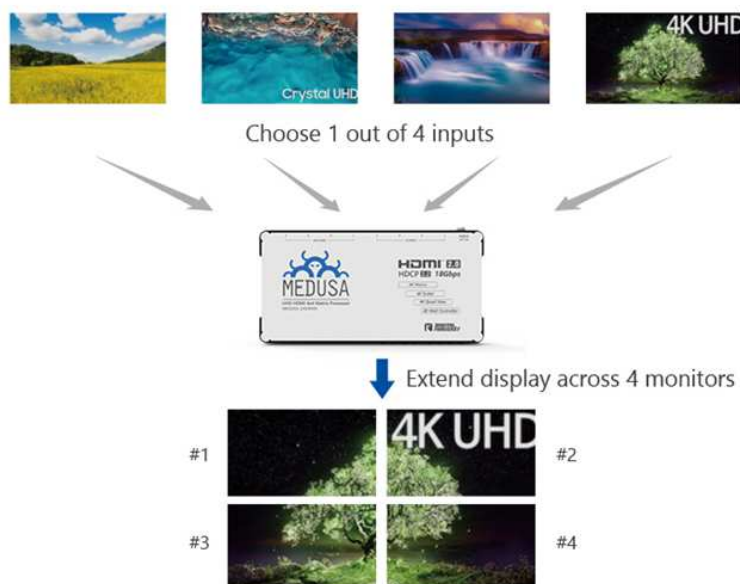
1. UHD 4x4 Matrix router mode



2. Quad View mode



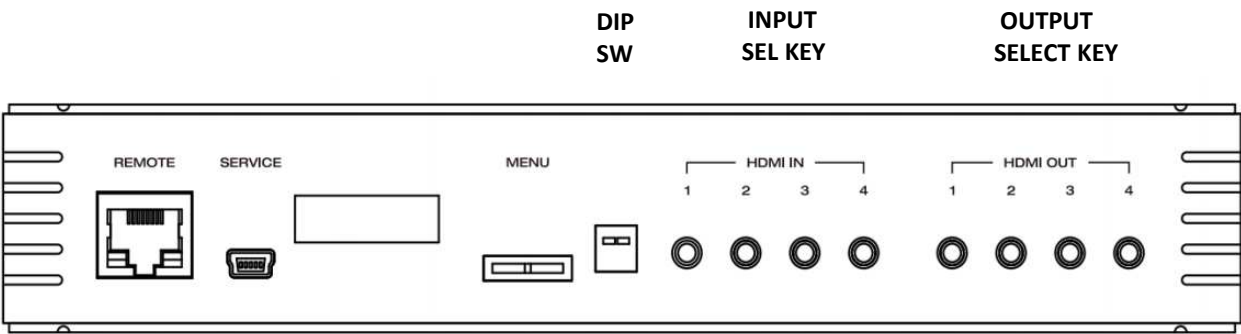
3. Wall mode



***NOTICE**

- The OLED screen turns ON when you press the input/output key or the menu button.
- In matrix mode, you can select output and input by pressing the INPUT/OUT key on the front.
- If you change the matrix mapping, press the output key you want to change first, then select the input to change it.

DIMENSION / INTERFACE



[DIP 스위치 setting]

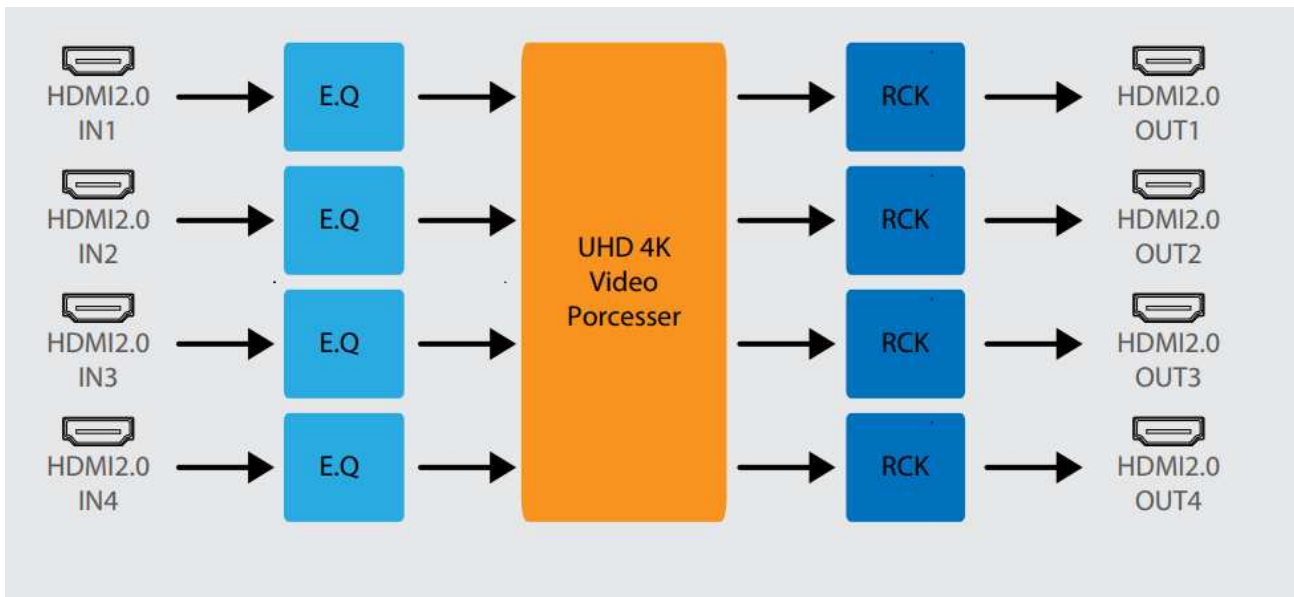
	UP	DOWN
DIP1	Normal operation	F/W Update Mode
DIP2	Not Used	Not Used

[INPUT/OUT KEY]

	INPUT	OUTPUT
1	Select input 1	Select Output 1
2	Select input 2	Select Output 2
3	Select input 3	Select Output 3
4	Select input 4	Select Output 4

(Warning)
If DIP S/W1 is not in the normal mode UP, it may switch to F/W update mode and may not operate normally.
For normal operation, be sure to set DIP1 S/W to UP.

BLOCK DIAGRAM



OPERATION ENVIRONMENT

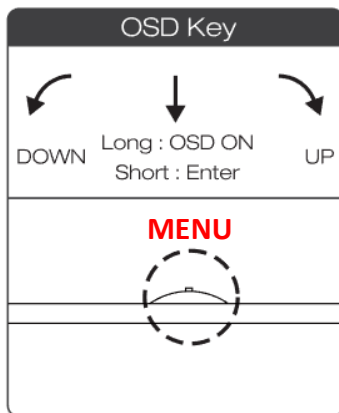
- Power Level : 12V DC Power
- Power Consumption : 20 Watts (Max: 24 Watts)
- Operating Temperature : 0°C ~ 55°C
- Humidity : 0 to 95% RH, non-condensing
- Data Rate : HDMI (Max 600Mhz)
- Signal Level : 800mVp-p +/- 80mV

PRODUCT COMPONENTS

- Medusa UHDMI44 Main Body
- +12V DC Power

OPERATION (Menu)

- To bring up the menu, you must press and hold the MENU button for more than 2 seconds.
- You can select a menu by adjusting the Up/Down keys and enter the submenu.



- LCD initial screen

The main screen is displayed depending on the UHDMI44 operation mode.

[OUT]: 1 2 3 4
[IN]: 1 2 3 4

=> HDMI output port

=> HDMI input port set to HDMI output port

OPERATION (Menu List)

- There are a total of 5 sub-menus.
 - A. Operation Setting Menu (Operation Mode Setting)
 - Choose from 3 operation modes: Matrix / Quad View / Wall Mode
 - B. Setting menu in Matrix mode (if Matrix is set in Op mode)
 - A menu where you can set the input source mapping settings for HDMI output and the output resolution settings.
 - C. Quad View mode setting menu (when Quad View mode is set in Op mode)
 - QuadView's output mode, output resolution, and input source settings menu
 - D. Wall setting menu (if Wall mode is set in Op mode)
 - Wall's output mode, output resolution, and input source settings menu
 - E. System Menu
 - Check factory reset and firmware version

OPERATION (OP Menu)

- This is the menu that appears when you enter the detailed menu.

Sub Menu	Value	Note
Main Menu [1] OP Mode Set		Operation Mode Settings Menu
OP mode menu [1] Op mode	[1] Matrix [2] QuadView [3] Wall	Setting the 3 modes of Operation

OPERATION (Matrix Set Menu)

- Sub Menu to set when entering the menu screen.

Sub Menu	Value	Note
Main Menu [2] Matrix Set		Matrix Mode Settings Menu
Matrix Menu [1] out1 Select	[1] Input1 [2] Input2 [3] Input3 [4] Input4	Select input source for HDMI output 1
Matrix Menu [2] out2 Select	[1] Input1 [2] Input2 [3] Input3 [4] Input4	Select input source for HDMI output 2
Matrix Menu [3] out3 Select	[1] Input1 [2] Input2 [3] Input3 [4] Input4	Select input source for HDMI output 3
Matrix Menu [4] out4 Select	[1] Input1 [2] Input2 [3] Input3 [4] Input4	Select input source for HDMI output 4
HDMI Out Menu [5] Out1 Res Set	1] 720p50 • [25] 4kp60	Output of HDMI output 1 Resolution selection
HDMI Out Menu [6] Out1 Res Set	1] 720p50 • [25] 4kp60	Output of HDMI output 2 Resolution selection
HDMI Out Menu [7] Out1 Res Set	1] 720p50 • [25] 4kp60	Output of HDMI output 3 Resolution selection
HDMI Out Menu [8] Out1 Res Set	1] 720p50 • [25] 4kp60	Output of HDMI output 4 Resolution selection

OPERATION (Quad View Menu)

- Sub Menu to set when entering the menu screen.

Sub Menu	Value	Note
Main Menu [3] Quadview Set		Quad View Mode Settings Menu
Quad view menu [1] Display mode	[1] Quad [2] 3+1 [3] 1+3 [4] PBP	Quadview mode Setting output format
Quad view menu [2] Out Res set	1] 720p50 . [25] 4kp60	Quadview mode Setting output resolution
Quad view menu [3] SRC IN1 sel	[1] Input1 [2] Input2 [3] Input3 [4] Input4	Selecting Input Source in Quadview Window 1
Quad view menu [4] SRC IN2 sel	[1] Input1 [2] Input2 [3] Input3 [4] Input4	Selecting Input Source in Quadview Window 2
Quad view menu [5] SRC IN3 sel	[1] Input1 [2] Input2 [3] Input3 [4] Input4	Selecting Input Source in Quadview Window 3
Quad view menu [6] SRC IN4 sel	[1] Input1 [2] Input2 [3] Input3 [4] Input4	Selecting Input Source in Quadview Window 4

OPERATION (Wall mode Menu)

- Sub Menu to set when entering the menu screen.

Sub Menu	Value	Note
Main Menu [4] Wall Set		Wall Mode Settings Menu
Wall menu [1] Display mode	[1] Wall 2x2 [2] Wall 1x4 [3] Wall 4x1	Wall Mode Setting Output Format
Wall menu [2] Out Res set	1] 720p50 • [25] 4kp60	Wall Mode Setting Output Resolution
Wall menu [3] Wall SRC sel	[1] Input1 [2] Input2 [3] Input3 [4] Input4	Select Wall Mode Input Source

OPERATION (System Menu)

- Sub Menu to set when entering the menu screen.

Sub Menu	Value	Note
Main Menu [5] System		System Settings Menu
System Menu [1] F/W version	[1] [V2024-0712]	⇒ F/W version information
System Menu [2] Factory Set	[1] Yes [2] No	⇒ Factory reset set ⇒ Cancel factory reset

WARRANTY

- Applies for 2 years from the date of purchase of the product

Authorized Distributor of Digital Forecast Co., Ltd. located in South Korea.

(signature)

DATE . . .

Bridge" UHD
All the ways to UHD



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