

PARTILINK

User Manual- VP-QV41H

Quadview Video Processor



Contents

- 1. Overview..... 1**
- 2. Features..... 1**
- 3. Specifications 2**
- 4. Hardware Descriptions 4**
 - 4.1 Product Appearance 4**
 - 4.2 Front Panel 5**
 - 4.3 Rear Panel 7**
 - 4.4 IR Remote Control..... 8**
- 5. Installation 11**
 - 5.1 Wiring Diagram..... 11**
 - 5.2 Rack Mount Installation 12**
- 6. Configurations 13**
 - 6.1 Front Panel Buttons 13**
 - 6.2 Front Panel Buttons 13**
 - 6.3 Web UI..... 13**
 - 6.3.1 Directly Connect to PC via Ethernet Cable..... 13**
 - 6.3.2 Ethernet Hub or Router..... 14**
 - 6.3.3 System Setting Page in Web UI 15**
 - 6.3.4 Multi View Page in Web UI 16**
 - 6.3.5 Load Default in Web UI 22**
 - 6.4 RS232/TELNET 23**
 - 6.4.1 Serial Port Settings 23**
 - 6.4.2 Commands 23**

7. Package Contents	27
A. Appendix 1: Function NA list	28
B. Appendix 2: Front Panel Screen Layout Indicator	28

1. Overview

The Quadview Video Processor is a simple, cost-effective video scaler designed to enable a true 4K@60Hz UHD, HD, SD video display device, virtually handling any input resolution up to 4K@60Hz. It provides 4 HDMI inputs and 1 HDMI output.

2. Features

- 4K@60 display output which does full screen/PIP/POP/quadview
- 6 pre-defined screen layouts and extra 8 customized screen layouts which can be modified easily anytime by user
- Input resolution up to 4K@60Hz, 4:4:4 color sampling.
- Output resolution up to 4K@60Hz, 4:4:4 color sampling
- Upscaling up to 4K@60Hz, 4:4:4 color sampling
- Deep Color and HDCP 1.4 / 2.2
- Fast switching between input channels or screen layout modes
- Rotation R90°/ L90° or flip output in full screen layout
- Stereo audio output
- Front panel button, IR remote control, RS232/TELNET
- User friendly Web UI control
- USB port firmware upgrade

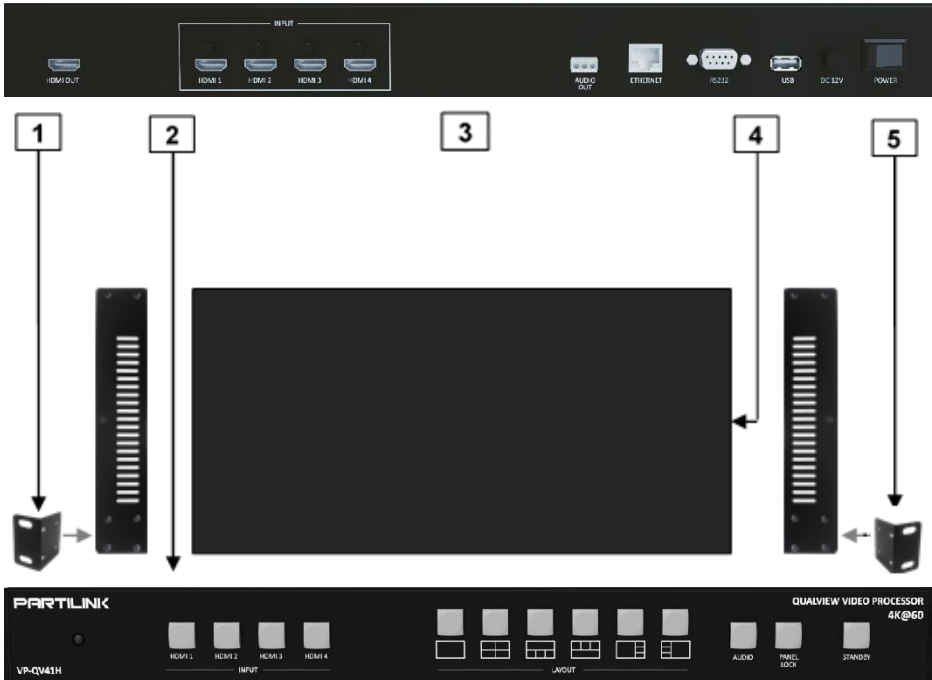
3. Specifications

MODEL NO.	VP-QV41H	
Product Hardware Information	System structure	Pure Hardware
	Start up	< 12 sec
	Operating system	No CPU and operating system
Input / Output	Input	4 x HDMI 2.0 with locking
	Output	1 x HDMI 2.0 with locking
	Audio output	Terminal Block 3 Pole, Stereo
Image processing	Display mode	Full screen, Quad view, PIP, POP
	Max Input resolution	Up to 3840 x 2160@60Hz, 4:4:4 color sampling
	Input resolutions	3840x2160 - 60Hz, 50Hz, 30Hz, 25Hz
		1920x1080 - 60Hz, 50Hz, 30Hz, 25Hz
		1280x720 - 60Hz, 50Hz, 30Hz, 25Hz
		720x480 - 60Hz, 50Hz, 30Hz, 25Hz
	480i, 576i - 24Hz to 60 Hz	
	Output Color Format	4:4:4, 4:2:2, 4:2:0
	Max Output resolution	Up to 3840 x 2160@60Hz, 4:4:4 color sampling
	Output resolutions	3840x2160 - 60Hz, 50Hz, 30Hz, 25Hz
1920x1080 - 60Hz, 50Hz, 30Hz, 25Hz		
1280x720 - 60Hz, 50Hz, 30Hz, 25Hz		
720x480 - 60Hz, 50Hz, 30Hz, 25Hz		
Output Color Format	4:4:4	
Output Color depth	8 bpc (24 bit/px)	
Scaler	Scaling up to 4K@60Hz, 4:4:4 color sampling and downscaling as well	
Video Bandwidth	Up to 18 Gbps	
HDMI Compliance	HDMI 1.4 and HDMI 2.0	
HDCP Compliance	HDCP 1.4 and 2.2	

Control Methods	Front panel buttons	4 x select HDMI 1,2,3,4 input and/or audio, 6 x display layout, 1 x Audio Selection, 1 x Panel lock, 1x Standby
	IR	1 x IR remote control
	RS232/TELNET	1 x D9 Female Connector / Compatible with third party control system
	ETHERNET PORT	1 x RJ45
	Web UI	Browser / Touch screen
Stability	Safety	Hardware structure, no risk of virus interference
	Running time	No auto-reboot during 365 days/year, 7days/7, 24h/24
Firmware	Possible upgrade	1 x USB 2.0
Led Indicator	INPUT	blue backlight
	OUTPUT	blue backlight
	PANEL LOCK	blue backlight
	STANDBY on	red backlight
	STANDBY off	green backlight
Power	Internal Power Supply	DC 12V/2A, locking barrel connector
	Power consumption	15W
	Power adaptor	Universal power adaptor
Environment	Operating temperature	0 °C~ 45°C
	Operating humidity	20~90% RH
	Storage temperature	-20 °C ~60 °C
Physical	Dimensions	440.4 x 230 x 45 mm (L x W x H, standard 1U)
	Fixing components	Rear bracket, footpad and screws
	Weight	3.0 KG

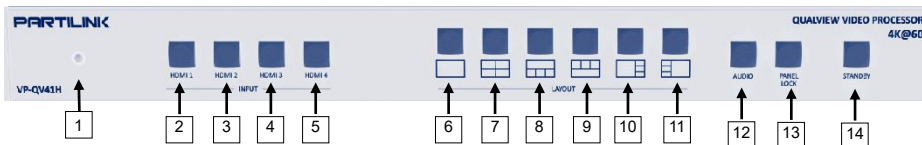
4. Hardware Descriptions







4.1 Product Appearance



No.	Feature	Description
1	Rack Mount Bracket	Attach the bracket to the left side of the system chassis for rack mount installation
2	Front Panel	Control Quadview Video Processor or directly via the front panel push Buttons
3	Rear Panel	Connect Video and Audio signal via rear panel input connectors
4	System Chassis	Black metal housing and the size is 1 rack unit
5	Rack Mount Bracket	Attach the bracket to the right side of the system chassis for rack mount installation

4.2 Front Panel



No.	Feature	Description
1	IR Receiver	Receives signals from the remote control transmitter
2	INPUT	HDMI1 Select the HDMI 1 input in full screen mode Select HDMI 1 audio in quadview mode
3		HDMI2 Select the HDMI 2 input in full screen mode Select HDMI 2 audio in quadview mode
4		HDMI3 Select the HDMI 3 input in full screen mode Select HDMI 3 audio in quadview mode
5		HDMI4 Select the HDMI 4 input in full screen mode Select HDMI 4 audio in quadview mode
6	LAYOUT	 Select Layout A (full screen mode)
7		 Select Layout B
8		 Select Layout C
9		 Select Layout D
10		 Select Layout E
11		 Select Layout F
12	AUDIO	Select audio source circularly

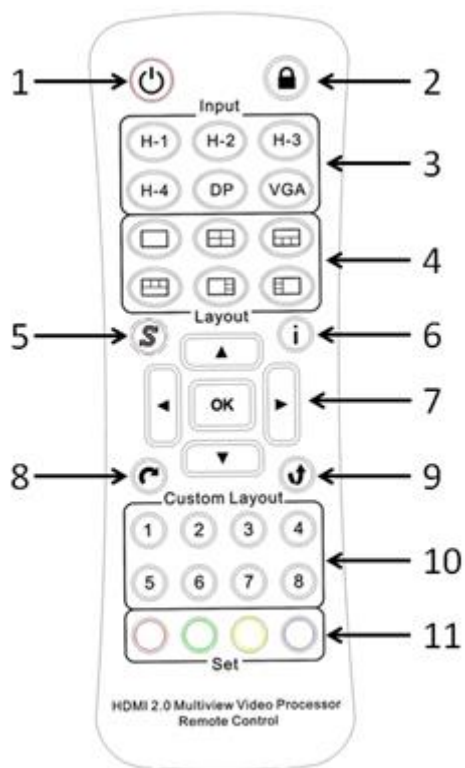
13	PANEL LOCK	Lock or unlock the front panel buttons
14	STANDBY	Put the system into standby mode or wake up the system















4.3 Rear Panel





No.	Feature		Description
1	OUTPUT	HDMI	Connect to the HDMI display device, connector on rear panel with locking
2	INPUT	HDMI1	Connect to the HDMI source, connector on rear panel with locking
3		HDMI2	Connect to the HDMI source, connector on rear panel with locking
4		HDMI3	Connect to the HDMI source, connector on rear panel with locking
5		HDMI4	Connect to the HDMI source, , connector on rear panel with locking
6	AUDIO OUT		Connect to the audio amplifier
7	ETHERNET		Connect to PC, NB or other Controllers through IP network
8	RS232/TELNET		Connect to PC, NB or other Controllers
9	USB		Attach a USB flash drive for firmware upgrade
10	12V DC		Connect to the 12V/2A power supply, connector on rear panel with locking
11	POWER ON/OFF		Power switch for turn ON or OFF the Quadview Video Processor

4.4 IR Remote Control



No.	Feature		Description
1	Standby		Press to set system into standby mode or wake up the system
2	Lock		Press to Lock or unlock the front panel buttons
3	Input	H-1	Select HDMI 1 in full screen mode Select HDMI 1 audio in quadview mode
		H-2	Select HDMI 2 in full screen mode Select HDMI 2 audio in quadview mode.
		H-3	Select HDMI 3 in full screen mode Select HDMI 3 audio in quadview mode
		H-4	Select HDMI 4 in full screen mode Select HDMI 4 audio in quadview mode
		DP	Reserved
		VGA	Reserved
4	Layout*		Select Layout A (full screen mode)
			Select Layout B
			Select Layout C
			Select Layout D
			Select Layout E
			Select Layout F
5			Reserved
6	Info.		System information
7	OK	OK	Reserved
	Up		Reserved
	Down		Reserved
	Left		Reserved
	Right		Reserved

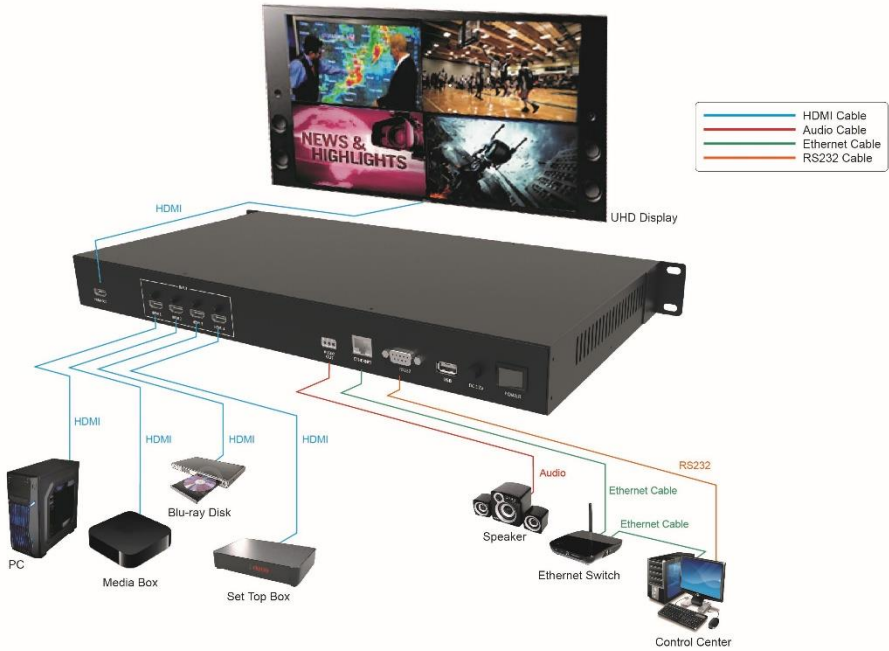
8	Rotate*		Rotate the video display R90°/ L90° in full screen mode
9	Flip*		Flip display screen in full screen mode

No.	Feature	Description	
10	Custom Layout*	1	Select custom screen layout 1
		2	Select custom screen layout 2
		3	Select custom screen layout 3
		4	Select custom screen layout 4
		5	Select custom screen layout 5
		6	Select custom screen layout 6
		7	Select custom screen layout 7
		8	Select custom screen layout 8
11	Set	Red	Set output resolution to 3840x2160@60Hz(with Auto Detect)
		Green	Set output resolution to 3840x2160@30Hz
		Yellow	Set output resolution to 1920x1080@60Hz
		Blue	Set output resolution to 1280x720@60Hz

* Please see Appendix 1

5. Installation

5.1 Wiring Diagram



Do the following steps for device connections.

- a. Connect a HDMI source to the HDMI 1 input connector.
- b. Connect a HDMI source to the HDMI 2 input connector.
- c. Connect a HDMI source to the HDMI 3 input connector.
- d. Connect a HDMI source to the HDMI 4 input connector.
- e. Connect the HDMI output connector to a HDMI display device
- f. Connect the audio output connector to the audio amplifier, as required.
- g. Connect the 12V/2A adapter to 12V DC connector.

5.2 Rack Mount Installation

Take the following steps to attach the two brackets to the system chassis and install into rack.

- a. Remove all cables and power supply before mount the Quadview Video Processor in the rack
- b. Place the system chassis on a sturdy surface
- c. Attach bracket to the left side of the system chassis by using the screw driver and four screws
- d. Attach the other bracket to the right side of the system chassis by using the screw driver and four screws
- e. Use your tape measure and level to ensure that the supporting shelf and the chassis are installed straight and level
- f. Make sure that your path to the rack is unobstructed.
- g. Slide the unit into the rack and position using the attached L brackets so that the slots in the brackets are positioned over the appropriate mounting holes in the side rails of the rack
- h. Securely fasten the unit into the rack by using the four screws which are supplied with the rack mount kit, installing two of the screws on each side of the unit. Use a screw driver to tighten the screws on each side of the unit.

6. Configurations

6.1 Front Panel Buttons

Please see the section 4.2.

6.2 Remote Control

Please see the section 4.4

6.3 Web UI

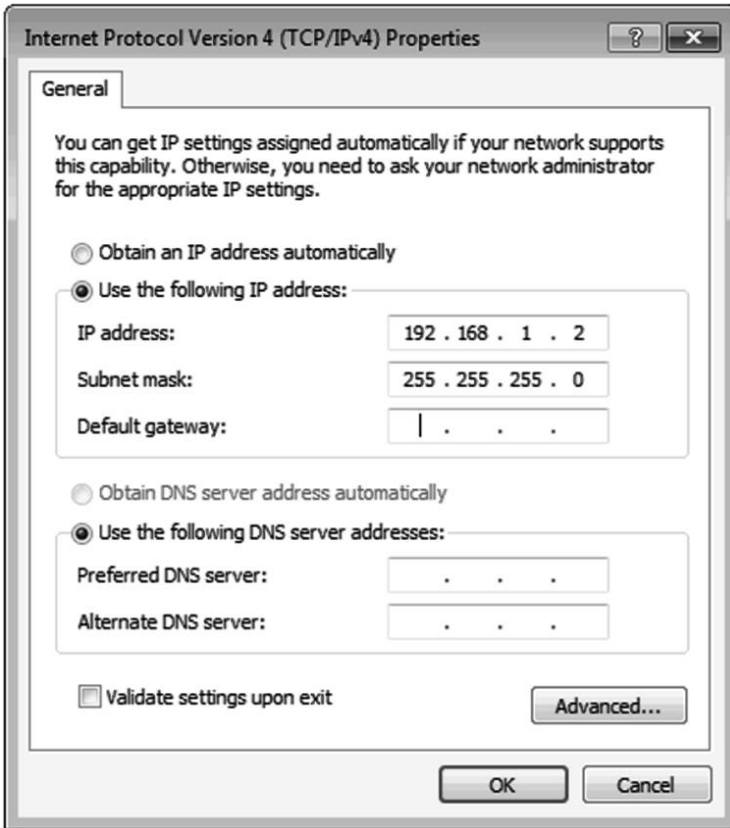
You can connect the Ethernet directly from PC to Quadview Video Process.

Please follow below steps to configure your PC Ethernet setting.

6.3.1 Directly Connect to PC via Ethernet Cable

- a. Click Start > Control Panel > Network and Sharing Center
- b. Click “Change Adapter Settings”
- c. Highlight the network adapter you want to use to connect to the device and click “Change Settings” of this connection. The “Local Area Connection Properties” window for the selected network adapter.
- d. Highlight the Internet Protocol Version 4 (TCP/IPv4)
- e. Click Properties. The Internet Protocol Properties window is relevant to your IT system.
- f. Select “Use the following IP Address for static IP address” and fill in the details. For TCP/IPv4 you can use any IP address in the range 192.168.1.1 to 192.168.1.255 (excluding 192.168.1.202).
- g. Subnet mask fills in 255.255.255.0.
- h. Click “OK”.

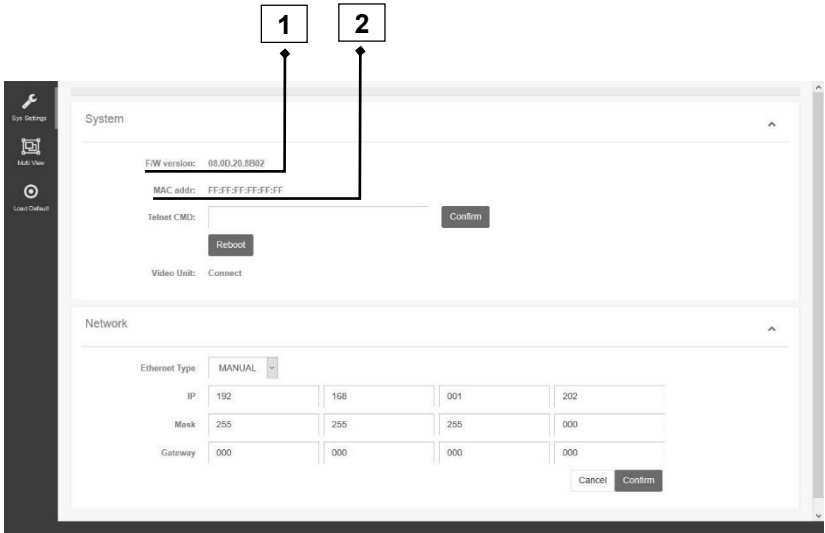
- i. After doing the steps from a. to h. successfully, you can click into Web UI by typing the 192.168.1.202 IP address in IE or Chrome.



6.3.2 Ethernet Hub or Router

At first, please follow section 6.3.1 and open web browser then follow 6.3.3 to set the Ethernet type to DHCP. You can connect the Ethernet port of the Quadview Video Processor to the Ethernet port on a network hub or network router, via an Ethernet cable with RJ-45 connector.

6.3.3 System Setting Page in Web UI



No.	Feature	Description	
1	System	FW version	System firmware version
		MAC addr.	MAC address of Quadview Video Processor
		Telnet CMD	Refer to sec. 6.3 for telnet commands. The response of the commands is not shown on Web UI.
2	Reboot	Reboot Quadview Video Processor	
3	Network	Ethernet Type	Change the network type to Static IP or DHCP Press “Confirm” after setting has finished or press “Cancel” to ignore the modification.

6.3.4 Multi View Page in Web UI

The image displays a web UI interface for system settings, divided into two main sections: **Output Setting** and **Color Setting**. A vertical sidebar on the left contains three options: **Sys Settings** (with a wrench icon), **Multi View** (with a monitor icon), and **Load Default** (with a circular arrow icon).

Output Setting Panel:

- Resolution:** A dropdown menu showing **3840x2160@30Hz**.
- Audio Source:** A dropdown menu showing **Window A**.
- Buttons:** **Cancel** and **Confirm** buttons.

Color Setting Panel:

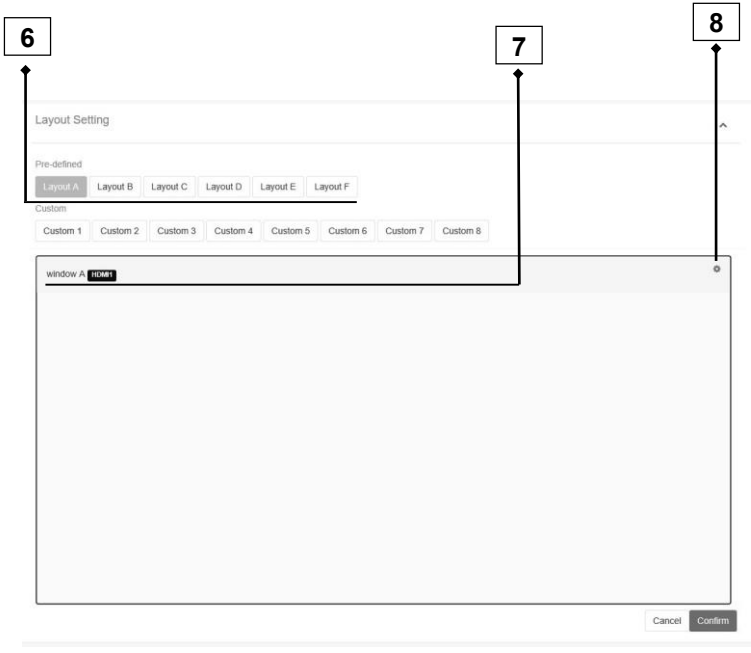
- Brightness:** A slider with markers at 0, 50, and 100.
- Contrast:** A slider with markers at 0, 50, and 100.
- Hue:** A slider with markers at 0, 50, and 100.
- Saturation:** A slider with markers at 0, 50, and 100.
- Buttons:** **Cancel** and **Confirm** buttons.

Numbered callouts (1-5) are positioned above the panels with arrows pointing to specific UI elements:

- 1:** Points to the **Resolution** dropdown in the **Output Setting** panel.
- 2:** Points to the **Audio Source** dropdown in the **Output Setting** panel.
- 3:** Points to the **Confirm** button in the **Output Setting** panel.
- 4:** Points to the **Confirm** button in the **Color Setting** panel.
- 5:** Points to the **Confirm** button in the **Color Setting** panel.

No.	Feature		Description
1	Output Setting	Resolution*	Select output resolution 1: Auto (default) 2: 3840x2160@60Hz 3: 3840x2160@50Hz 4: 3840x2160@30Hz 5: 1920x1080@60Hz 6: 1280x720@60Hz 7: 480p@60Hz Press "Confirm" after setting has finished or press "Cancel" to ignore the modification.
2		Audio Source	Select audio output source 1: HDMI1 (default) 2: HDMI2 3: HDMI3 4: HDMI4 5: Mute Press "Confirm" after setting has finished or press "Cancel" to ignore the modification.
3	Full Screen Setting*	Flip	Flip video display in full screen mode 1: On 2: Off (default) Press "Confirm" after setting has finished or press "Cancel" to ignore the modification.
4		Rotate	Rotate video display in full screen mode 1: Off (default) 2: L90° 3: R90° Press "Confirm" after setting has finished or press "Cancel" to ignore the modification.
5	Color Setting	Color Setting	Modify color setting 1: 50 (default) 2: 0~100 Press "Confirm" after setting has finished or press "Cancel" to ignore the modification.

* Please see Appendix 1



No.	Feature		Description
6	Layout Setting	Pre-defined*	Select display layout type on monitor 1: Layout A (default, full screen) 2: Layout B 3: Layout C 4: Layout D 5: Layout E 6: Layout F Press "Confirm" after setting has finished or press "Cancel" to ignore the modification.
7		Window Info.	Main Screen: Window A Sub Screen: Window B, Window C, Window D Window A input source: HDMI1 (default) Window B input source: HDMI2 (default) Window C input source: HDMI3 (default) Window D input source: HDMI4 (default) Press "Confirm" after setting has finished or press "Cancel" to ignore the modification.
8	Layout Setting	Layout A Gear icon	Select Input Source 1: HDMI1 (default) 2: HDMI2 3: HDMI3 4: HDMI4

13 9

10 11 12

Layout Setting

Pre-defined

Layout A Layout B

Custom

Custom 1 Custom 2 Custom 3 Custom 4 Custom 5 Custom 6 Custom 7 Custom 8

Window A	HDMI1	Bottom	o x	Window B	HDMI2	Layer3	o x
Window C	HDMI3	Layer2	o x	Window D	DP	Upper	o x

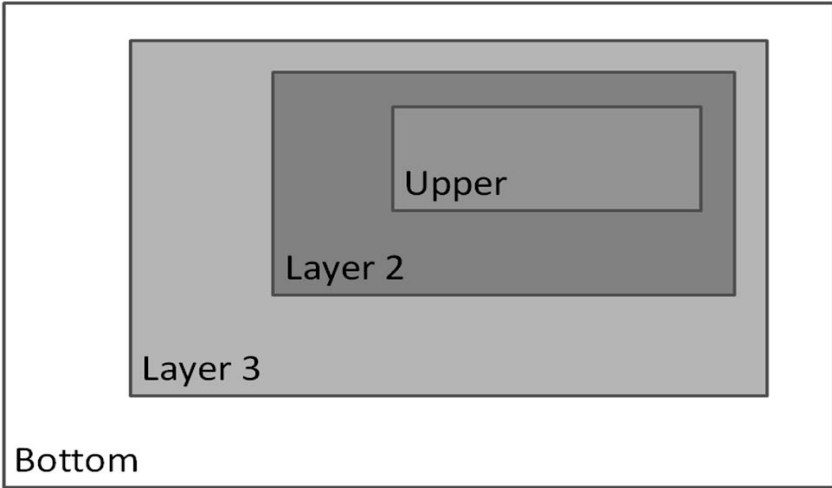
Window A Window B Window C Window D

Cancel Confirm

No.	Feature		Description
9	Layout Setting	Custom *	Select display custom layout type on monitor Press “Confirm” after setting has finished or press “Cancel” to ignore the modification.
10	Layout Setting	Window **	Window Information in upper left side of the window. 1. Window name: Window A, B, C and D 2. Blue mark: Indicates the Input source (it can be changed in “Gear icon”). 3. Orange mark: Indicates the display layer. The Window A to D position can be moved when clicking mouse left button. The size of Window A to D can be modified when moving mouse cursor to right or bottom of the window corner.
11		Gear icon	-Label: Define Windows name -Select Input Source 1: HDMI1 (default) 2: HDMI2 3: HDMI3 4: HDMI4
12		x icon	Press to close the window.
13		Open/Close Window	Press to open or close the window.

* Please see Appendix 1

** “Orange mark”: layer definition.



6.3.5 Load Default in Web UI

The screenshot shows a web interface for system settings. On the left is a vertical sidebar with icons for "Sys Settings", "Multi View", and "Load Default". The main content area has two sections:

- Output Setting**: Contains a "Resolution" dropdown menu set to "3840x2160@30Hz" and an "Audio Source" dropdown menu set to "Window A". There are "Cancel" and "Confirm" buttons at the bottom right of this section.
- Full Screen Setting**: Contains a "Flip" toggle with "On" and "Off" radio buttons, where "Off" is selected. Below it is a "Resolution" dropdown menu set to "Off". There are "Cancel" and "Confirm" buttons at the bottom right of this section.

Press to load default setting in Web UI.

6.4 RS232/TELNET

6.4.1 Serial Port Settings

Apply the following settings to set up the serial port communication.

Baud rate: 115200

Data bits: 8

Stop bits: 1

Parity: None

Flow control: None

6.4.2 Commands

Command	Description	Parameter
SPOW 0/1	SET THE UNIT POWER ON/OFF	0=OFF,1=ON
RPOW	SHOW CURRENT POWER STATE	
SRES 0~4	SET OUTPUT RESOLUTOIN	0: 3840x2160@60 1: 3840x2160@30 2: 1920x1080@60 3: 1280x720@60 4: 720x480@60
RRES	SHOW CURRENT OUTPUT RESOLUTION	
SIOSDD	ENABLE ONSCREEN INFORMATION DISPLAY	
SBRI N	SET BRIGHTNESS VALUE FOR OUTPUT	N=0~100, Default 50
RBRI	SHOW BRIGHTNESS CURRENT VALUE FOR OUTPUT	
SCON N	SET CONTRAST VALUE FOR OUTPUT	N=0~100, Default 50
RCON	SHOW CONTRAST CURRENT VALUE!!	
SSAT N	SET SATURTATION VALUE FOR OUTPUT	N=0~100, Default 50
RSAT	SHOW SATURTATION CURRENT VALUE	

SHUE N	SET HUE VALUE FOR OUTPUT	N=0~100, Default 50
RHUE	SHOW HUE CURRENT VALUE	
SIMRE 0~4	RESET COLOR SETTING VALUE TO DEFAULE	0 = ALL, BRIGHTNESS+CONTRAS T+SATURATION+HUE
		1=BRIGHTNESS,
		2=CONTRAST,
		3=SATURATION,
		4=HUE,
Command	Description	Parameter
SIN2CH N M	SET INPUT SOURCE M TO WINDOW N	WINDOW N=1~4, 1: A, 2: B, 3: C, 4: D
		INPUT SOURCE M=1~4, 1:HDMI1, 2:HDMI2, 3:HDMI3, 4:HDMI4,
SHSIZE N M	SET WINDOW HORIZONTAL SIZE	WINDOW N=1~4, 1: A, 2: B, 3: C, 4: D
		HORIZONTAL SIZE M=0~60
RHSIZE	SHOW WINDOW HORIZONTAL SIZE CURRENT VALUE WINDOW A~D=WINDOW 1~4 HORIZONTAL SIZE 0~60	
SVSIZE N M	SET IMAGE VERTICAL SIZE	WINDOW N=1~4, 1: A, 2: B, 3: C, 4: D
		VERTICAL SIZE M=0~60
RVSIZE	SHOW WINDOW VERTICAL SIZE CURRENT VALUE WINDOW A~D=WINDOW 1~4 VERTICAL SIZE 0~60	
SHPOS N M	SET HORIZONTAL POSITION OF SPECIFIED CHANNEL	WINDOW N=1~4, 1: A, 2: B, 3: C, 4: D
		HORIZONTAL POSITION M=0~59
RHPOS	SHOW WINDOW HORIZONTAL POSITION CURRENT VALUE WINDOW A~D=WINDOW 1~4 HORIZONTAL SIZE 0~59	

SVPOS N M	SET VERTICAL POSITION OF SPECIFIED WINDOW	WINDOW N=1~4, 1: A, 2: B, 3: C, 4: D
		VERTICAL POSITION M=0~59
RVPOS	SHOW WINDOW VERTICAL POSITION CURRENT VALUE WINDOW A~D=WINDOW 1~4 VERTICAL SIZE 0~59	
SWIN N M	SET OUTPUT WINDOW ON/OFF	WINDOW N=1~4, 1: A, 2: B, 3: C, 4: D
		M=0/OFF, 1/ON
Command	Description	Parameter
RWIN N	SHOW OUTPUT WINDOW	WINDOW N=0~4, 1: A, 2: B, 3: C, 4: D 0: ALL
SPRI N M	SET WINDOW LAYER PRIORITY	WINDOW N=1~4, 1: A, 2: B, 3: C, 4: D
		LAYER PRIORITY M= 1~4, 1=BOTTOM, 2=LAYER 3, 3=LAYER2, 4=UPPER
RPRI N	SHOW WINDOW LAYER PRIORITY	WINDOW N=0~4, 1: A, 2: B, 3: C, 4: D 0: ALL
SRECALL 1~14	SET AN OUTPUT WINDOW TO LAYOUT A~CUSTOM 8.	1 = LAYOUT A, 2 = LAYOUT B, 3 = LAYOUT C, 4 = LAYOUT D, 5 = LAYOUT E, 6 = LAYOUT F, 7 = CUSTOM 1, 8 = CUSTOM 2, 9 = CUSTOM 3, 10 = CUSTOM 4, 11 = CUSTOM 5, 12 = CUSTOM 6, 13 = CUSTOM 7, 14 = CUSTOM 8
SROTATE 0~4	SET VIDEO ROTATION SRECALL 1 MUST BE ENABLE BEFORE SROTATE	0=ROTATE OFF, 1 = L90, 2 = R90, 3 = Flip on, 4 = Flip off Default 0
RROTATE	SHOW VIDEO ROTATION CURRENT	

SIPM 0/1	SET IP MODE TO DHCP OR STATIC	0=DHCP, 1=STATIC, Default 1
RIPM	SHOW CURRENT IP MODE	
SIPADD N M X Y	SET STATIC IP ADDRESS	N=0~255, M=0~255, X=0~255, Y=0~255
RIPADD	SHOW STATIC CURRENT IP ADDRESS	
SMAADD N M X Y	SET STATIC SUBNET ADDRESS	N=0~255, M=0~255, X=0~255, Y=0~255
RMAADD	SHOW STATIC CURRENT SUBNET ADDRESS	
Command	Description	Parameter
SGAADD N M X Y	SET STATIC GATEWAY ADDRESS	N=0~255, M=0~255, X=0~255, Y=0~255
RGAADD	SHOW STATIC CURRENT GATEWAY ADDRESS	
IPCONFIG	SHOW ETHERNET ADDRESS	
DEFAULT	RESET THE UNIT TO FACTORY DEFAULTS	
SMUTE 0/1	SET MUTE AUDIO	0=MUTE, 1= UNMUTED
RMUTE	SHOW CURRENT MUTE	
SAUDIO N	SET OUTPUT AUDIO TO SPECIFIED SOURCE	AUDIO SELECT N=0~4, 0 = WINDOW A, 1 = HDMI1, 2 = HDMI2, 3 = HDMI3, 4 = HDMI4,
RAUDIO	SHOW OUTPUT AUDIO SOURCE	
SWICORE	RESET THE WINDOW A ~ WINDOW D SETTINGS TO FACTORY DEFAULTS	
RFW	SHOW FIRMWARE VERSION	
REBOOT	SYSTEM REBOOT	
READEDID	READ EDID INFO FROM SINK DEVICE	

7. Package Contents

- 1) 1 x Quadview Video Processor
- 2) 1 x Remote Control
- 3) 1 x DC 12V/2A output power adapter
- 4) 2 x Rack Mount Bracket
- 5) 4 x Rubber Pad
- 6) 1 x Screws bag
- 7) 1 x User manual

A. Appendix 1: Function NA list

Input Resolution	Layout A	Layout B	Custom Layout	Output Resolution	Layout A	Layout B	Custom Layout
4K60	Rotate NA	Rotate NA Flip NA	Rotate NA Flip NA	4K60			
4K30	Rotate NA	Rotate NA Flip NA	Rotate NA Flip NA	4K30			
1080p		Rotate NA Flip NA	Rotate NA Flip NA	1080p			
720p		Rotate NA Flip NA	Rotate NA Flip NA	720p			HDMI Output NA
480p		Rotate NA Flip NA	Rotate NA Flip NA	480p		HDMI Output NA	HDMI Output NA

B. Appendix 2: Front Panel Screen Layout Indicator

Screen Layout	Layout A Indicator	Layout B Indicator
Layout A	V	
Layout B		V
Custom Layout	V	V