

# ANI-QUAD

4x4 HDMI VIDEO WALL PROCESSOR & MATRIX SWITCH





## SAFETY INFORMATION



1. To ensure the best results from this product, please read this manual and all other documentation before operating your equipment. Retain all documentation for future reference.
2. Follow all instructions printed on unit chassis for proper operation.
3. To reduce the risk of fire, do not spill water or other liquids into or on the unit, or operate the unit while standing in liquid.
4. Make sure power outlets conform to the power requirements listed on the back of the unit. Keep unit protected from rain, water and excessive moisture.
5. Do not attempt to clean the unit with chemical solvents or aerosol cleaners, as this may damage the unit. Dust with a clean dry cloth.
6. Do not use the unit if the electrical power cord is frayed or broken. The power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords and plugs, convenience receptacles, and the point where they exit from the appliance.
7. Do not force switched or external connections in any way. They should all connect easily, without needing to be forced.
8. Always operate the unit with the AC ground wire connected to the electrical system ground. Precautions should be taken so that the means of grounding of a piece of equipment is not defeated.
9. AC voltage must be correct and the same as that printed on the rear of the unit. Damage caused by connection to improper AC voltage is not covered by any warranty.
10. Turn power off and disconnect unit from AC current before making connections.
11. Never hold a power switch in the "ON" position.
12. This unit should be installed in a cool dry place, away from sources of excessive heat, vibration, dust, moisture and cold. Do not use the unit near stoves, heat registers, radiators, or other heat producing devices.
13. Do not block fan intake or exhaust ports. Do not operate equipment on a surface or in an environment which may impede the normal flow of air around the unit, such as a bed, rug, carpet, or completely enclosed rack. If the unit is used in an extremely dusty or smoky environment, the unit should be periodically "blown free" of foreign dust and matter.
14. To reduce the risk of electric shock, do not remove the cover. There are no user serviceable parts inside. Refer all servicing to qualified service personnel. There are no user serviceable parts inside.
15. When moving the unit, disconnect input ports first, then remove the power cable; finally, disconnect the interconnecting cables to other devices.
16. Do not drive the inputs with a signal level greater than that required to drive equipment to full output.
17. The equipment power cord should be unplugged from the outlet when left unused for a long period of time.
18. Save the carton and packing material even if the equipment has arrived in good condition. Should you ever need to ship the unit, use only the original factory packing.
19. Service Information Equipment should be serviced by qualified service personnel when:
  - A. The power supply cord or the plug has been damaged.
  - B. Objects have fallen, or liquid has been spilled into the equipment.
  - C. The equipment has been exposed to rain.
  - D. The equipment does not appear to operate normally, or exhibits a marked change in performance.
  - E. The equipment has been dropped, or the enclosure damaged.

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**DEAR CUSTOMER**

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

**INTRODUCTION**

The ANI-QUAD is a high performance, high speed HDMI video processing system that can be easily configured and controlled for (3) different output modes (Matrix, Dual and Video Wall) for various applications.

Matrix mode routes the source signals to the output displays as a regular matrix does. Dual mode allows (2) sets of (2) selected sources to be shown on designated output displays (2 displays as a set). Video Wall mode extends a selected source to all (4) output displays at one time.

Supports full range of video resolutions up to WUXGA@60Hz (RB) or 1080p and different audio formats up to 7.1CH LPCM at 192KHz sampling rate based on input source capability. The ANI-QUAD control can be done through IR using the included remote control, Telnet (Ethernet), RS-232 or from the front panel buttons, the included GUI software or a built-in browser. This product has a 3 year warranty.

**PACKAGE CONTENTS**

Before attempting to use this unit, please check the packaging and make sure the following items are contained in the shipping carton:

- ANI-QUAD
- Remote Control
- Software CD Driver
- 12V/3A DC Power Adaptor
- Users Guide

**SAFETY PRECAUTIONS**

Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply. Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit.

**DISCLAIMERS**

The information in this manual has been carefully checked and is believed to be accurate. We assume no responsibility for any infringements of patents or other rights of third parties which may result from its use.

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 Version 2.5 AUG 2020

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## FEATURES

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- HDMI, HDCP1.1 and DVI compliant
- Deep color support for 8/10/12bit sources
- Seamless Switching: Most sources switch with zero delay, similar to a cut only production switcher
- Supports (3) Different Modes: Matrix mode/ Dual mode/ TV Wall mode
  - **Matrix Mode:** Can route any (4) Input sources to any (4) Output displays in any combination (4x4)
  - **Dual Mode:** Can display PoP (Picture Of Picture) image combining any (2) sources to be presented side-by-side on the HDMI output ports (Dual A and Dual B). You can select any of the (4) inputs and change them live.
    - **NOTE:** Input 4 will be disabled if the Output timing is under 1080i@50/60Hz.
  - **Video Wall Mode:** Can output any source to (4) displays (2 by 2 Video wall) as a full image with adjustable Bezel Correction for each display. Any Source input can be selected and changed live.
    - **NOTE:** Input 4 will be disabled if the Output timing is under 1080i@50/60Hz.
- Supports OSD setup, front panel push buttons, wireless remote control, RS-232, IP (Telnet), provided GUI software (Ethernet or RS-232) or built-in web server.
- Input resolutions support VGA up to WUXGA and 480i up to 1080p
- Output resolutions from 480p up to 1080p
- Supports different input and output resolutions
- Audio supported for LPCM 2CH, 6CH, 8CH/AC3/DTS/Dolby Digital Plus/ Dolby TrueHD & DTS-HD

## SPECIFICATIONS

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- **Video Bandwidth:** 225MHz/6.75Gbps
- **Input Port:**
  - (4) HDMI (Female type)
  - (1) USB (Service only)
- **Output Port:** (4) HDMI (Female type)
- **Power Supply:** 12V/3A DC (US/EU standards, CE/FCC/UL certified)
- **ESD Protection:** Human Body Model:
  - ±8kV (air-gap discharge)
  - ±4kV (contact discharge)
- **Dimensions (WxDXH):** 17.1 x 9.7 x 1.75 in (436x247x44mm)
- **Weight:** 6.4 lb (Unit only) / 8.4 lb (Net)
- **Chassis Material:** Aluminum
- **Silkscreen Color:** Black
- **Operating Temperature:** 0°C ~ 40°C / 32°F ~ 104°F
- **Storage Temperature:** -20°C ~ 60°C / -4°F ~ 140°F
- **Relative Humidity:** 20~90% RH (non-condensing)
- **Power Consumption:** 15W

**NOTE:** Specifications are subject to change without notice.

## SYSTEM REQUIREMENTS

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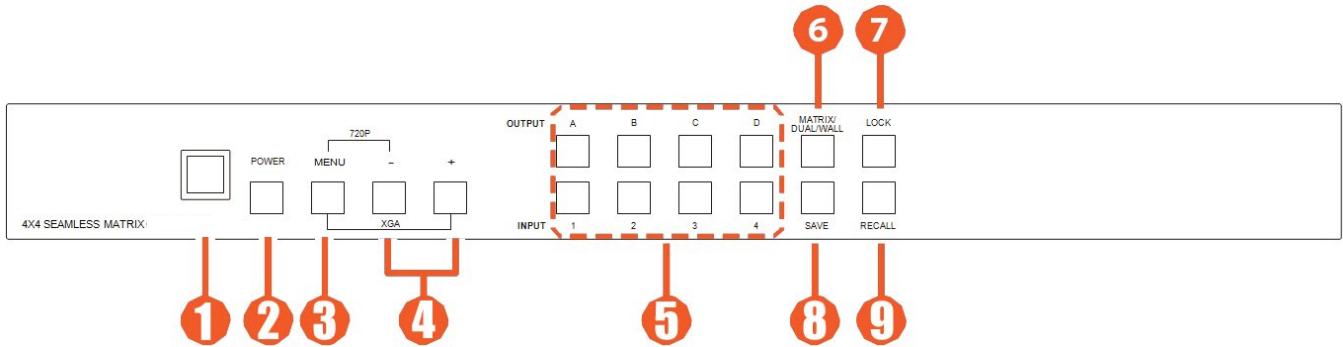
Input source equipment such as DVD/Blu-Ray players or any video signal or PC/Notebook devices and output to HDTV displays/projectors/etc.

## APPLICATIONS

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- Broadcasting
- Surveillance
- Public advertisement
- Digital Presentation
- Conference call or meeting room presentation

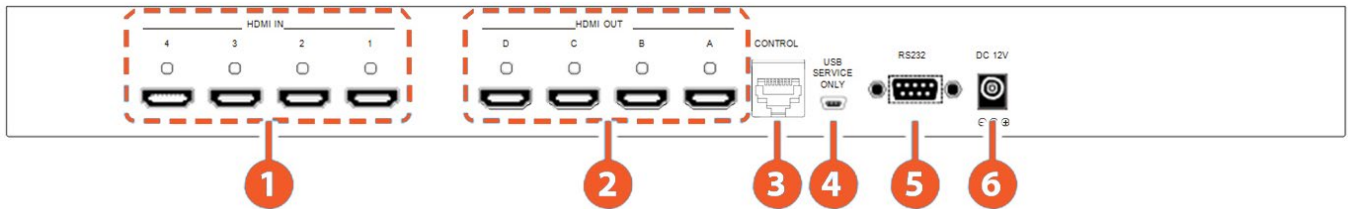
FRONT PANEL



- ① **IR WINDOW:** Receives signal from the device’s remote control or external IR controller
- ② **POWER:**
  - **ON/OFF:** Press this button to power ON the device or set it to standby mode.
  - **FACTORY RESET TO DEFAULT:** Press and hold the **POWER** button then connect power to reset the system to factory default settings.
- ③ **MENU:**
  - Press this button to bring up the OSD (On Screen Display) menu on screen.
  - Press “**MENU**” with the “-“ button to switch the output timing to 720p@60Hz instantly.
  - Press “**MENU**” with the “+“ button to switch the output timing to XGA (1024x768@60Hz) instantly.
- ④ **-/+ BUTTONS:** Press these buttons to scroll Down/Up on the OSD selections then press “**MENU**” button to confirm.
- ⑤ **CHANNEL INPUT 1~4 and CHANNEL OUTPUT A~D:**
  - **Matrix Mode:**
    - Press “**MATRIX/DUAL/WALL**” button repeatedly until the LED illuminates steady. You are now in Matrix mode.
    - Press an output from A~D and then press corresponding Input from 1~4.  
*For Example:* Press Output A then press Input 2. Output A will display Input 2’s image. Each output setting must be made individually.
  - **Dual Mode:** To combine (2) sources to be presented on each HDMI output port (Dual A and Dual B).
    - Press “**MATRIX/DUAL/WALL**” button repeatedly until the LED extinguishes. You are now in Dual mode.
    - Press output A/B and then press corresponding Input 1/2.  
*For Example:* Press Output A then press Input 1. Output A will display Input 1’s image on the left side, then press Output B and then press Input 2. Output A will display Input 2’s image on the right side. Both Output A and B will have identical images.
    - Dual A group are Outputs A and B, Dual B group are Outputs C and D. Each group will output the same image simultaneously.
    - Press button **A** or **B** for (3) seconds, to switch Dual A channel’s audio between Output A or B.
    - Press button **C** or **D** for (3) seconds, to switch Dual B channel’s audio between Output C or D.
  - **Video Wall Mode:**
    - Press “**MATRIX/DUAL/WALL**” button repeatedly until the LED blinks constantly. You are now in Video Wall mode
    - Press Input 1~4 to select a source to (4) displays (2x2 Video wall). The audio will be on Output A only.
- ⑥ **MATRIX/DUAL/WALL:** Press to switch between Matrix mode, Dual mode and Video Wall mode. The button LED will indicate which mode you are in.
  - **Matrix Mode:** LED illuminate constantly.
  - **Dual Mode:** LED will extinguish.
  - **Video Wall Mode:** LED will blink constantly.
- ⑦ **LOCK:** Press once to lock the keypad and remote control, press and hold for (3) seconds to release the lock function.
- ⑧ **SAVE:** To save an Input and Output configuration to recall later:
  - Press “**MATRIX/DUAL/WALL**” button to select mode status.
  - Press each Output channel A~D and the corresponding Input channel 1~4.
  - Press “**SAVE**”, the Input 1~4 LEDs will all illuminate at the same time. Press Input 1,2,3 or 4 to save to the system memory location.
  - *For Example:* Select Matrix mode, press Output A then press Input 4, then press “**SAVE**”. This will save the corresponding setup for later recall using the front panel or the remote control FAV.1 thru FAV.4 buttons.
- ⑨ **RECALL:** Press “**RECALL**” and the Input channel 1~4 LED will illuminate at the same time. Select Input channel 1,2,3 or 4 to recall the customized screen setting. Or using the remote control FAV.1~FAV.4 buttons.

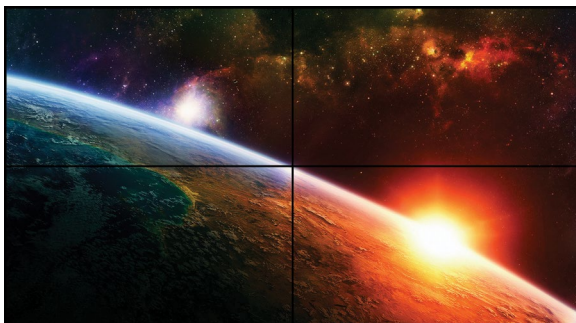


BACK PANEL



- ❶ **HDMI IN 1~4:** Connects a HDMI source signal such as STP, DVD player, Blue-Ray player or PC.
- ❷ **HDMI OUT 1~4:** Connects a HDMI destination device such as a monitor, recorder or distribution system.
- ❸ **ETHERNET:** Connects to an active Ethernet network for Telnet control. (refer to section “RS-232 / Telnet Commands”)
- ❹ **USB SERVICE ONLY:** This slot is reserved for factory use and firmware updates.
- ❺ **RS-232:** Used for remote control of the ANI-QUAD using RS-232 commands via a PC or other external controller.
- ❻ **DC 12V:** Plug the 12V DC power supply into the unit and connect the adaptor to an AC outlet.

OUTPUT MODES



VIDEO WALL MODE



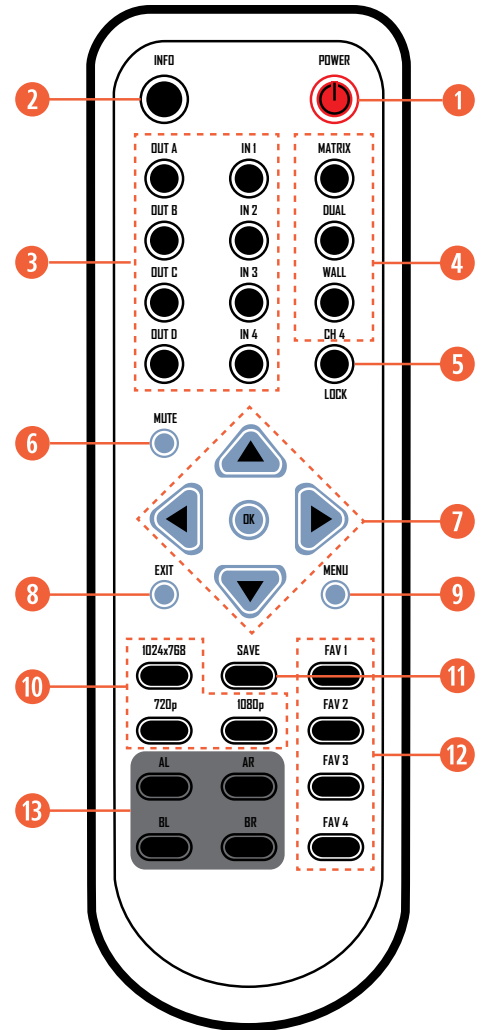
QUAD MODE



DUAL MODE

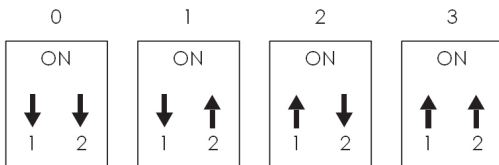
REMOTE CONTROL

- ① **POWER:** Press this button to switch On the device or press it again to set it to standby mode.
- ② **INFO:** Press this button to show the device's firmware version.
- ③ **OUT A~D & IN 1~4:** Press Output A~D and then press Input 1~4 to select the display input. **For Example:** Press Out A then press In 1, Output A will display Input 1's image.
- ④ **MATRIX/DUAL/WALL:** Press to switch between Matrix mode, Dual mode and Video Wall mode.
- ⑤ **LOCK:** Press once to lock the keypad and remote control. Press and hold for (3) seconds to release the lock function.
- ⑥ **MUTE:** Press this button to mute the audio from the HDMI output port.
- ⑦ **▲/▼/◀/▶/OK:** Press these buttons to scroll through the OSD selections and press OK to enter and confirm the setting.
- ⑧ **EXIT:** Press this button to exit the OSD menu or the OSD settings.
- ⑨ **MENU:** Press this button to enter into the OSD menu.
- ⑩ **1024x768/720p/1080p:** Press these hot keys to switch between each resolution.
- ⑪ **SAVE:** Saves the customized Input and Output settings.
  - Press "MATRIX/DUAL/WALL" button to select mode status.
  - Press each Output channel A~D and then press corresponding Input channel 1~4.
  - Press "SAVE", then Input 1~4's LEDs will illuminate at the same time, then press remote control FAV.1~FAV.4 to save to the system memory.
- ⑫ **FAV.1~FAV.4:** Press favorite hot keys 1~4 to bring up the customized settings you previously stored.
- ⑬ **AL/AR/BL/BR:** When in Dual mode, press these hot keys to switch the audio channel to the Left or Right side for Dual A and Dual B group.



REMOTE CONTROL DIP SWITCH

Open the remote control back cover to adjust the dip-switch ON/OFF to match the IR address setting in the OSD menu. Factory default is "0".



RS-232 PROTOCOLS

ANI-QUAD		Remote Controller(PC)	
PIN	Assignment	PIN	Definition
1	NC	1	NC
2	TxD	2	RxD
3	RxD	3	TxD
4	NC	4	NC
5	GND	5	GND
6	NC	6	NC
7	NC	7	NC
8	NC	8	NC
9	NC	9	NC

Baud Rate: 115200bps  
 Data Bit: 8bits  
 Flow Control: None  
 Parity: None  
 Stop Bit: 1

**IR CODES**

CUSTOM CODE: 807F

POWERTOGGLE: 807F 82

INFO: 807F 86

MUTE: 807F C2

UP: 807F 9A

DOWN: 807F 9E

LEFT: 807F 9C

RIGHT: 807F 98

OK: 807F 9D

EXIT: 807F D8

MENU: 807F 84

MATRIX: 807F 8A

DUAL: 807F 8E

TV WALL: 807F 92

LOCK: 807F C6

SAVE: 807F 8F

**OUTPUTS:**

OUT A: 807F 88

OUT B: 807F 8C

OUT C: 807F 90

OUT D: 807F 85

**INPUTS:**

IN 1: 807F 89

IN 2: 807F 8D

IN 3: 807F 91

IN 4: 807F 95

**RESOLUTIONS:**

1024X768: 807F 87

720P: 807F C4

1080P: 807F CC

**AUDIO SETTINGS:**

AL: 807F C5

BL: 807F D9

AR: 807F CD

BR: 807F CE

**FAVORITE SETTINGS:**

FAV.1: 807F 97

FAV.2: 807F D4

FAV.3: 807F D5

FAV.4: 807F D6



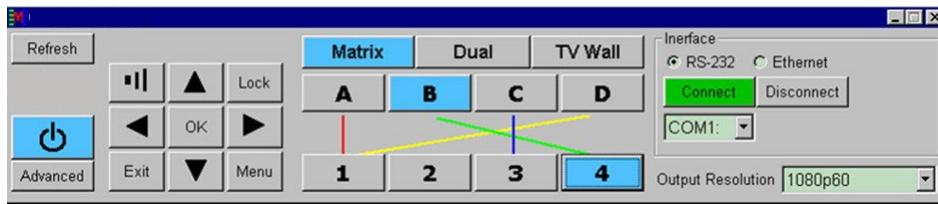
## RS-232 & TELNET COMMANDS

All commands require a carriage return (0x0D). Commands **ARE** case-sensitive.

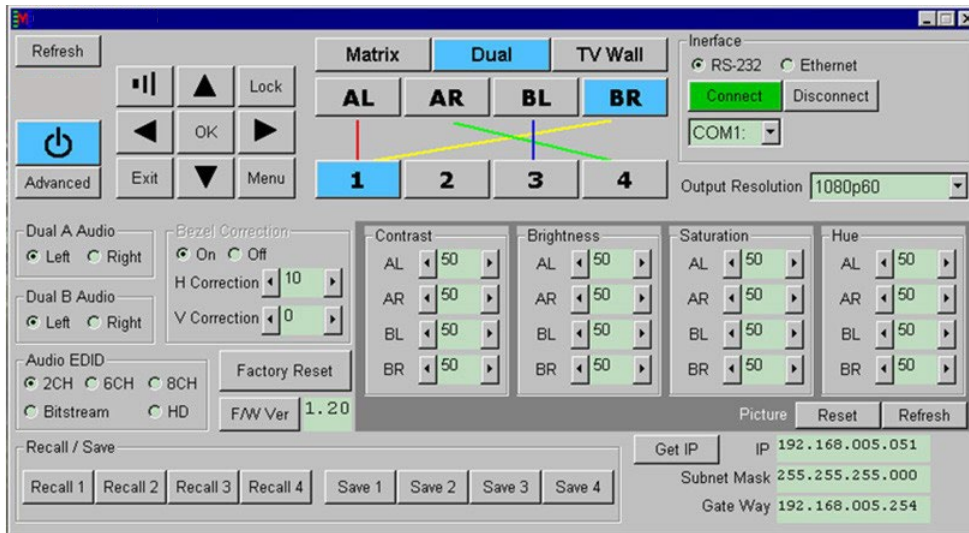
COMMAND	ACTION	ANI-QUAD RETURNS
AUA001	Dual A Audio channel in Left side	AUA001
AUA002	Dual A Audio channel in Right side	AUA002
AUA999	Check Dual A audio channel status	AUA???
AUB001	Dual B Audio channel in Left side	AUB001
AUB002	Dual B Audio channel in Right side	AUB002
AUB999	Check Dual B audio channel status	AUB???
AUD000	Audio Output OFF	AUD000
AUD001	Audio Output ON	AUD001
AUD999	Check audio ON/OFF status	AUD???
AUE000	Audio EDID is LPCM 2CH	AUE000
AUE001	Audio EDID is LPCM 6CH	AUE001
AUE002	Audio EDID is LPCM 8CH	AUE002
AUE003	Audio EDID is BITSTREAM	AUE003
AUE004	Audio EDID is HD	AUE004
AUE999	Check audio EDID setting	AUE???
BEZ000	Bezel Correction OFF	BEZ000
BEZ001	Bezel Correction ON	BEZ001
BEZ999	Check bezel correction ON/OFF status	BEZ???
BEH???	Horizontal (H) Bezel correction???=000 ~ Maximum	BEH???
BEH998	Check the current Horizontal(H) Bezel correction Maximum value	BEH???
BEH999	Check the current Horizontal(H) Bezel correction setting value	BEH???
BEV???	Vertical (V) Bezel correction???=000 ~ Maximum	BEV???
BEV998	Check the current Vertical(V) Bezel correction Maximum value	BEV???
BEV999	Check the current Vertical(V) Bezel correction setting value	BEV???
BRI???	Setting Brightness	No response
	???=000~100 for matrix mode	
	???=(000~100)+200*(OUT No.-1) for dual/Video Wall mode	
	<b>For Example:</b> OUT B set the Brightness value to 57 =(57)+200*(2-1) = 257	
BRI99?	Check current Brightness value	BRI???
	99?=999 for matrix mode	
	99?=991~994=OUT1~4 for dual/Video Wall mode	
CAL???	RECALL FAV. ???=001~004=FAV.1~4	CAL???
CON???	Setting Contrast	No response
CON999	Command setting same as Brightness(BRI)	CON???
EGW999	RS-232 only, check current Ethernet Gateway Address	aaa.bbb.ccc.ddd
EIP999	RS-232 only, check current Ethernet IP Address	aaa.bbb.ccc.ddd
EMK999	RS-232 only, check current Ethernet Subnet Mask Address	aaa.bbb.ccc.ddd
HUE???	Setting HUE	No response
HUE999	Command setting same as Brightness (BRI)	HUE???
INP???	INPUT selection???=001~004=IN 1~4	INP???
	Execute OUT???	

COMMAND	ACTION	ANI-QUAD RETURNS
INP999	Check current INPUT	INP???
LCK000	Un-Lock	LCK000
LCK001	Lock	LCK001
LCK999	Check current Lock/Un-Lock status	LCK???
MNE001	OSD Menu EXIT	No response
MND001	OSD Menu DOWN	No response
MNL001	OSD Menu LEFT (-)	No response
MNO001	OSD Menu OK	No response
MNR001	OSD Menu RIGHT (+)	No response
MNU001	OSD Menu UP	No response
MNX001	OSD Menu	No response
MOD001	Matrix mode	MOD001
MOD002	Dual mode	MOD002
MOD003	Video Wall mode	MOD003
MOD999	Check current output mode status	MOD???
OUT???	OUTPUT selection???=001~004=OUT A~D	OUT???
OUT999	Check current OUTPUT	OUT???
PWR000	Power OFF(Standby)	PWR000
PWR001	Power ON	PWR001
PWR999	Check current power status	PWR???
RES???	Output resolution???=001~ ...corresponding OSD menu list	RES???
RES999	Check current output resolution	RES???
RST001	Factory Reset	RST001
RST002	Picture Reset	RST002
SAT???	Setting Saturation	No response
SAT999	Command setting same as Brightness (BRI)	SAT???
SAV???	SAVE FAV. ???=001~004=FAV.1~4	SAV???
VER999	Check firmware version	VER??? Example: VER110=V1.1

**SIMPLE CONTROL PANEL**



**FULL FUNCTION CONTROL PANEL**



This is a Zip file (compressed). This is the actual software used to control the ANI-QUAD.

**CLICK THE LINK TO FROM OUR WEBSITE TO DOWNLOAD ANI-QUAD GUI INSTALLATION FILES or use this link**

**[https://www.a-neuvideo.com/downloads/ANI-QUAD\\_RS232\\_Ethernet\\_AP\\_v16C.zip](https://www.a-neuvideo.com/downloads/ANI-QUAD_RS232_Ethernet_AP_v16C.zip)**

**After downloading the contents to your computer, extract the files.**

**Then select [setup.exe](#) to begin the installation.**

OSD OPERATION

MAIN MENU		SUB MENU	ADJUSTMENTS	DEFAULT
PICTURE (*1)	ALL	CONTRAST	0 ~ 100	50
		BRIGHTNESS	0 ~ 100	50
		SATURATION	0 ~ 100	50
		HUE	0 ~ 100	50
	DUAL	DUAL AL	0 ~ 100	
		DUAL AR		
		DUAL BL		
		DUAL BR		
	TV WALL	OUT A		
		OUT B		
		OUT C		
		OUT D		
	D/T	RESET		
	ALL	RESET ALL		
		EXIT		
OUTPUT RESOLUTION		480p, 576p, 720p50, 720p60, 1080i50 (*2), 1080i60, 1080p24, 1080p50, 1080p60, 1024x768, 1280x800, 1280x1024, 1366x768, 1440x900, 1600x900, 1600x1200, 1680x1050, 1920x1200		720p60
		EXIT		
AUDIO EDID (*3)		LPCM 2CH, LPCM 6CH, LPCM 8CH, BIT-STREAM, HD		LPCM 2CH
		EXIT		
OSD SETTINGS		POSITION	LEFT T, RIGHT T, LEFT B, RIGHT B	LEFT T
		H OFFSET	0 ~ 20	10
		V OFFSET	0 ~ 20	10
		TRANSPARENCY	0 ~ 9	4
		MENU TIMEOUT	5 ~ 50, OFF(*4)	8
		INFO.TIMEOUT	5 ~ 50, OFF	8
		INFO.DISPLAY	ON, OFF	ON
		BRIEF INFO	ON, OFF	OFF
		EXIT		
HDCP		INPUT(*5)	ACCEPT, NOT ACCEPT	ACCEPT
		OUTPUT(*6)	FOLLOW INPUT, ALWAYS ON	FOLLOW INPUT
		EXIT		
BEZEL CORRECTION (*7)		CORRECTION	ON, OFF	OFF
		H CORRECTION	0 ~ by Output resolution	0
		V CORRECTION	0 ~ by Output resolution	0
		EXIT		

OSD OPERATION

MAIN MENU	SUB MENU	ADJUSTMENTS	DEFAULT
RECALL / SAVE (*8)	RECALL	CANCEL, FAV.1~ 4	CANCEL
	SAVE	CANCEL, FAV.1~ 4	CANCEL
	EXIT		
ETHERNET	IP MODE	DHCP, STATIC	DHCP
	STATIC SET	IP, MASK, GATE	IP
	BYTE1		192
	BYTE2		168
	BYTE3		5
	BYTE4		155
	RE-LINK(*9)		
	TIMEOUT (Min.)(*10)	5~60, OFF	10
	EXIT		
OTHERS	IR ADDRESS(*11)	0 ~ 3	0
	EXIT		
FACTORY DEFAULT EXIT	YES, NO		NO
	EXIT		
INFORMATION (*12)	IN/OUT RESOLUTION, SOURCE HDCP/AUDIO, OUT MODE, FIRMWARE VER		
	EXIT		
EXIT			

**NOTE:**

\*1 **PICTURE:** In Matrix mode, (4) pictures adjust simultaneously. In Dual/Video Wall mode, each picture can adjust individually and supports the individual last memory feature.

\*2 **OUTPUT:** In Video Wall mode and Dual Mode, output resolutions 1080i@50Hz and 1080i@60Hz are not supported.

\*3 **AUDIO EDID:** Embedded input audio EDID contents, LPCM 2CH = LPCM 2CH LPCM 6CH = LPCM 2CH/ 6CH LPCM 8CH = LPCM 2CH/ 6CH/ 8CH BITSTREAM = LPCM 2CH, AC3, DTS HD = LPCM 2CH/ 6CH/ 8CH, AC3, DTS, Dolby Digital Plus, DTS-HD

\*4 **TIMEOUT:** OFF means MENU and INFO will show continuously on the screen

\*5 **HDCP INPUT:** ACCEPT: Supports a HDCP source, this is default setting. NOT ACCEPT: Does **NOT** support a HDCP source.

**For Example:** Apply source.

\*6 **HDCP OUTPUT:** FOLLOW INPUT: If a source has HDCP, the Output will support HDCP. If the Input source is without HDCP, the Output will not support HDCP. When in Dual mode, one of each side (Left or Right) supports HDCP, the Output will support HDCP. ALWAYS ON: All the displays need to support HDCP, to avoid switching the source from non-HDCP to HDCP, or flashing image or no image.

\*7 **BEZEL CORRECTION:** Only supported in Video Wall mode, after adjustment the system will support last memory function.

\*8 **SAVE/RECALL:** To SAVE/RECALL the Input/Output setting, the system supports the last memory function to save all settings.

\*9 **ETHERNET RE-LINK:** After the setup, you will need to RE-LINK the system and re-connect the system again.

\*10 **ETHERNET TIMEOUT:** Select OFF to end the time out function or when Telnet is idol, without sending commands within the time out setting, the Telnet system will be terminated.

\*11 **IR ADDRESS:** This setting is to match the IR remote control dip switch. Refer to remote control settings section.

\*12 **INFORMATION:** Shows Input/Output/Audio/Mode/Firmware information.

INPUT TIMING

SUPPORTED TIMING
480i@59
480p@60
576i@50
576p@50
720p@25,30,50,60
1080i@50,60
1080p@24,25,30,50,60
640x480@60,72,75,85
720x400@70
800x600@56,60,72,75,85
1024x768@60,70,75,85
1152x864@70,75
1280x720@60cvt
1280x768@60RB,60,75
1280x800@60RB,60,75
1280x1024@60,60cvt,75
1360x768@60
1366x768@60RB,60
1400x1050@60RB,60
1440x900@60RB,60,75
1600x900@60RB
1600x1200@60
1680x1050@60RB,60
1920x1200@60RB

OUTPUT TIMING

SUPPORTED TIMING	
480p60	1024x768@60
576p50	1280x800@60
720p50	1280x1024@60
720p60	1366x768@60
1080i50 (Matrix Mode Only)*	1440x900@60
1080i60 (Matrix Mode Only)*	1600x900@60RB
1080p24	1600x1200@60
1080p50	1680x1050@60
1080p60	1920x1200@60RB

**\*NOTE: Output:** In Video Wall mode and Dual Mode, Output resolutions 1080i@50Hz and 1080i@60Hz are not supported.



GUI SCREEN SHOTS

**NOTE:** Device power status must be set to ON and source status must be unlocked in order to set the settings accordingly.

The screenshot displays the main settings interface. On the left is a vertical menu with options: Picture, Output Resolution, Audio, OSD Settings, HDCP, BEZEL Correction, and Ethernet. The main area contains several panels:

- Information-In:** IN1 :No Signal, IN2 :No Signal, IN3 :No Signal, IN4 :No Signal
- Information-Out:** OUT : 1080p50, Out Mode : Matrix Mode
- Status:** Power : ON OFF, Output A From Input 1, Output B From Input 4, Output C From Input 1, Output D From Input 1
- Source:** Out Mode : Matrix, Output D, From Input 1, Lock, UnLock
- IR/Recall/Save/Factory:** IR Address : 0, Recall : Cancel, Save : Cancel, Factory Default
- Contrast:** Out slider at 50
- Saturation:** Out slider at 50
- Brightness:** Out slider at 50
- Hue:** Out slider at 50
- Reset All** button at the bottom center.

Click, drag, select or key-in on each selection setting to make the changes immediately.

This screenshot shows the 'Output Resolution' setting panel highlighted. The panel contains a dropdown menu labeled 'Output Resolution' with the value '1080p50' selected. The rest of the interface is dimmed, showing the same menu on the left and the top status panels as in the previous screenshot.

Picture

Output Resolution

Audio

OSD Settings

HDCP

BEZEL Correction

Ethernet

**Information-In**

IN1 :No Signal  
IN2 :No Signal  
IN3 :No Signal  
IN4 :No Signal

**Information-Out**

OUT : 1080p50  
Out Mode : Matrix Mode

**Status**

Power :  ON  OFF

Output A From Input 1  
Output B From Input 4  
Output C From Input 1  
Output D From Input 1

**Source**

Out Mode : Matrix

Output  D From Input  1

**IR/Recall/Save/Factory**

IR Address : 0  
Recall : Cancel  
Save : Cancel

**Audio**

Mute :  ON  OFF

Dual A :  Left  Right

Dual B :  Left  Right

Audio Edid : LPCM 2CH

Picture

Output Resolution

Audio

OSD Settings

HDCP

BEZEL Correction

Ethernet

**Information-In**

IN1 :No Signal  
IN2 :No Signal  
IN3 :No Signal  
IN4 :No Signal

**Information-Out**

OUT : 1080p50  
Out Mode : Matrix Mode

**Status**

Power :  ON  OFF

Output A From Input 1  
Output B From Input 4  
Output C From Input 1  
Output D From Input 1

**Source**

Out Mode : Matrix

Output  D From Input  1

**IR/Recall/Save/Factory**

IR Address : 0  
Recall : Cancel  
Save : Cancel

**OSD Settings**

Position : Left T

H Offset :  10

V Offset :  10

Transparency : 4

Menu Timeout : 8

Info. Timeout : 8

Info. Display :  ON  OFF

Biref Info. :  ON  OFF

Picture	<b>Information-In</b>	<b>Information-Out</b>	<b>Status</b>	<b>Source</b>	<b>IR/Recall/Save/Factory</b>
Output Resolution	IN1 :No Signal IN2 :No Signal	OUT : 1080p50 Out Mode : Matrix Mode	Power : <input checked="" type="checkbox"/> ON <input type="checkbox"/> OFF Output A From Input 1 Output B From Input 4 Output C From Input 1 Output D From Input 1	Out Mode : Matrix Output D From Input 1	IR Address : 0 Recall : Cancel Save : Cancel
Audio	IN3 :No Signal IN4 :No Signal			<input type="button" value="Lock"/> <input type="button" value="UnLock"/>	<input type="button" value="Factory Default"/>
OSD Settings					
HDCP					
BEZEL Correction					
Ethernet					

**HDCP**

Input :

Output :

Picture	<b>Information-In</b>	<b>Information-Out</b>	<b>Status</b>	<b>Source</b>	<b>IR/Recall/Save/Factory</b>
Output Resolution	IN1 :No Signal IN2 :No Signal	OUT : 1080p50 Out Mode : TV Wall mode	Power : <input checked="" type="checkbox"/> ON <input type="checkbox"/> OFF Output From Input 1	Out Mode : TV Wall Output From Input 1	IR Address : 0 Recall : Cancel Save : Cancel
Audio	IN3 :No Signal IN4 :No Signal			<input type="button" value="Lock"/> <input type="button" value="UnLock"/>	<input type="button" value="Factory Default"/>
OSD Settings					
HDCP					
BEZEL Correction					
Ethernet					

**Bezel Correction**

Correction :  ON  OFF

H Correction :  0

V Correction :  0

Click on the “Ethernet” page for IP configuration setting. Both the device (from the OSD setting menu) and the web address entry bar will need to be reset after any change is made on this page.

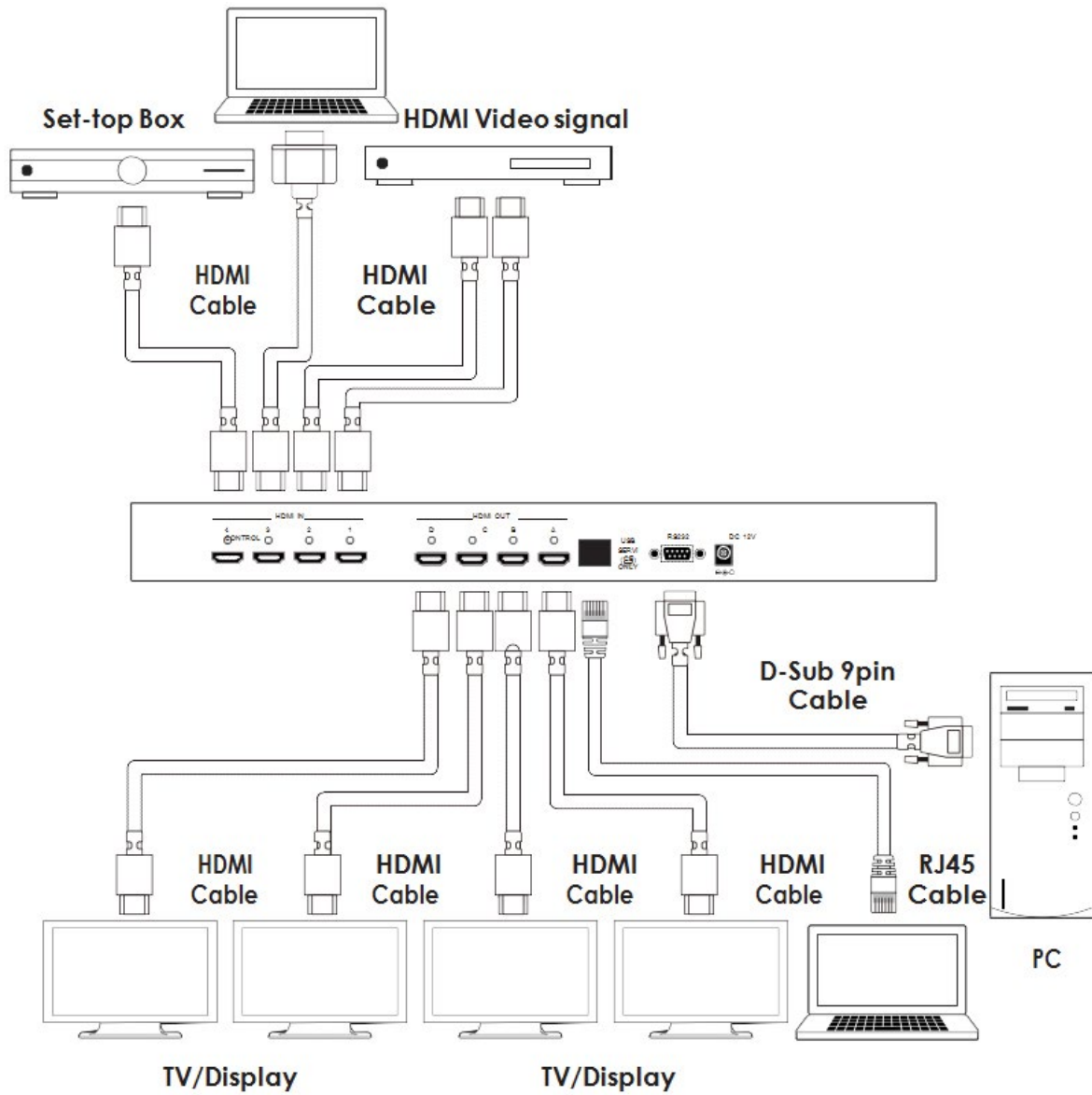
The screenshot displays the A▶NEUVIDEO WEB GUI interface. On the left is a vertical sidebar menu with the following items: Picture, Output Resolution, Audio, OSD Settings, HDCP, BEZEL Correction, and Ethernet. The main content area is divided into several functional panels:

- Information-In:** Shows input signal status for IN1, IN2, IN3, and IN4, all currently displaying "No Signal".
- Information-Out:** Shows output resolution as "1080p50" and output mode as "TV Wall mode".
- Status:** Features a power toggle set to "ON" and "OFF", and "Output From Input" set to "1".
- Source:** Includes "Out Mode" set to "TV Wall" and "Output From Input" set to "1". It has "Lock" and "UnLock" buttons.
- IR/Recall/Save/Factory:** Contains dropdown menus for "IR Address" (set to "0"), "Recall" (set to "Cancel"), and "Save" (set to "Cancel"). A "Factory Default" button is also present.

The "Ethernet" panel is the active configuration window, showing:

- DHCP
- IP Address : 192.168.1.113
- Netmask : 255.255.255.0
- Gateway : 192.168.1.1
- Telnet Timeout : 10
- A "Save Changes" button is located to the right of the IP and Netmask fields.

CONNECTION DIAGRAM



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