

PREVIEW™ HD LCD RACK MOUNT MONITORS

PreVIEW HD Dual 7.0 (Part Number 999-5510-012)
PreVIEW HD Triple 5.0 (Part Number 999-5510-013)

Overview:

The PreVIEW HD monitors are Vaddio's new line of high definition LCD monitors. With either two 7" or three 5" LCD screens, these PreVIEW HD monitors provide cleaner, sharper 16:9 video images. The native widescreen displays have an internal menu to adjust the settings (brightness, contrast, color, overscan, etc.) of each monitor.

In addition to SD, HD and S-video inputs with active loop-thru outputs, there is also an analog RGB input on a VGA connector. Tally lights are above each monitor to provide visual indication of which feed is live, when connected to a tally output of an external device, such as Vaddio's ProductionVIEW™ HD. The high-resolution LCD screens (800 x RGB x 480) are backlit by LEDs for a brighter, more evenly lit screen when compared with fluorescent backlit monitors. The LCD screens have 1.2 million pixels for greater detail required to focus HD cameras. The monitors can be tilted up and down for the optimum viewing angle.

Vaddio's PreVIEW HD line of monitors are excellent for a variety of applications that require high resolution monitoring of HD cameras, including houses of worship, training rooms and board rooms at corporate facilities, as well as instructional facilities at teaching hospitals.



Figure 1: Front panel of PreVIEW HD Dual 7.0 LCD

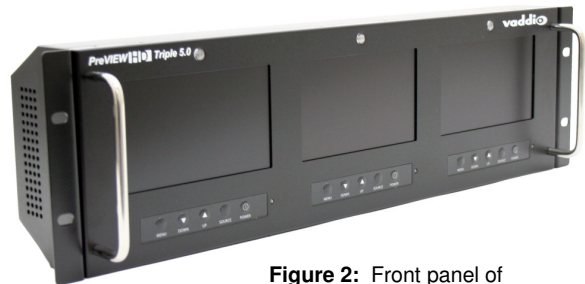


Figure 2: Front panel of PreVIEW HD Triple 5.0 LCD

UNPACKAGING

Carefully remove all parts from the packaging and identify the following parts:

- PreVIEW HD rack mount monitors (Dual 7.0 or Triple 5.0)
- 12 VDC PowerRite™ Power Supply with US, UK and Euro power cords
- One (1) – 6-pin Phoenix-type connector (Tally)
- Install Guide

Figure 3: (right) Close up of rear panel inputs showing 8 BNC connectors (in & out) for HD component (Y Pb Pr) and composite video per LCD screen, along with S-Video connectors for Y-C video and a VGA input connector. All loop-thru connectors are active and auto-terminating.



Setting up the Monitors

Once the monitors are installed, and you have connected video cabling and power, the monitors will turn on. Programming the monitors may be required, based on the type of inputs that you have connected. Toggle through the inputs (composite, S-video, component and RGBHV) by pressing the SOURCE button.

Note: If no signal is recognized on an input, the input icon will be displayed in the middle of the screen indefinitely.

On-Screen Menu Navigation:

- To display the on-screen menus, you must press the MENU button.
- Pressing the ARROW UP/DOWN buttons will switch between the sub-menu options (Video, Display and System Settings).
- MENU must be pressed a second time, once in the sub-menus.
- In the sub-menus, arrow down to the parameter to adjust, and press MENU.
- Use the UP/DOWN ARROW buttons to change the selected parameter.
- Press the SOURCE button once the necessary adjustments are complete, which moves back one menu level.
- Press SOURCE multiple times to exit on-screen menu, once all adjustments are complete.

Menu Options (for Composite, S-Video and Component inputs)

Video Menu

Contrast	> 0 - 255	
Brightness	> 0 - 255	
Color	> 0 - 255	
Tint	> 0 - 255	
Sharpness	> 0 - 255	
Advanced	> Scheme	>Normal >Sport >Natural >Vivid >Cinema
	> Color Temperature	>Natural >Cool >Warm
	> Light Mode	>High >Low

Display Menu

Aspect Ratio	> 16:9 > 4:3
Over Scan	> Off > On

NOTE: To save a change to Over Scan setting, toggle through inputs, or power off the monitor.

System Settings Menu

OSD Timer	> Off, 5 – 30 seconds
OSD Transparency	> 0 10
Recall	> No/Yes

Menu Options (for RGBHV)

Video Menu (for Composite, S-Video and Component inputs)

Contrast	> 0 - 255
Brightness	> 0 - 255
Color Temperature	> Natural Cool User Warm
User RGB	> Not Applicable
Advanced	> Auto Adjustment
	> H Position
	> V Position
	> Clock
	> Phase
	> Light Mode
	>High Low

System Settings Menu

OSD Timer	> Off, 5 – 30 seconds
OSD Transparency	> 0 10
Recall	> No/Yes

General Specifications

PreVIEW HD Monitors	
Part Number	PreVIEW HD Dual 7.0 LCD Rack Mount Monitors 999-5510-012 (PAL and NTSC) PreVIEW HD Triple 5.0 LCD Rack Mount Monitors 999-5510-013 (PAL and NTSC)
Displays	Two (2) 7.0" diagonal LCD panels – PreVIEW HD Dual 7.0 Three (3) 5.0" diagonal LCD panels – PreVIEW HD Triple 5.0
Backlight	LED
Panel Resolution	800 x RGB x 480
Viewing Angle	55° (up) / 55° (down) / 70° (left) / 70° (right) – PreVIEW HD Dual 7.0 65° (up) / 65° (down) / 70° (left) / 70° (right) – PreVIEW HD Triple 5.0
Dot Pitch	0.1905 (H) x 0.1905 (W) mm – PreVIEW Dual 7.0 0.135 (H) x 0.135 (W) mm – PreVIEW Triple 5.0
Response Time	PreVIEW Dual 7.0 - 20ms; PreVIEW Triple 5.0 - 50ms
Contrast Ratio	400:1
Aspect Ratio	16:9 (native) / 4:3 – switchable
Sampling Rate	8 bit, 100% digital processing
Brightness	PreVIEW HD Dual 7.0 - 500 cd/m ² ; PreVIEW HD Triple 5.0 - 350 cd/m ²
Video Signals	NTSC (composite and S-video), 720p and 1080i (Y Pb Pr) PAL (composite and S-video), 720p and 1080i (Y Pb Pr)
RGBHV Resolutions	640 x 480, 800 x 480, 800 x 600, 1024 x 768, 1280 x 1024
Video Inputs	<ul style="list-style-type: none"> ▪ Component (Y Pb Pr) x 2 – BNC connectors ▪ Composite x 2 – BNC connectors ▪ S-video x 2 – Mini-DIN 4 connectors NOTE: All inputs auto detect NTSC/PAL & auto terminate loop-thru
RGB Input	<ul style="list-style-type: none"> ▪ RGBHV – VGA connector NOTE: When using the VGA input, do not connect other video inputs (i.e. composite, S-video, etc.), as all video signals will degrade of the specific LCD monitor
Video Outputs	<ul style="list-style-type: none"> ▪ Component (Y Pb Pr) x 2 – BNC connectors ▪ Composite x 2 – BNC connectors ▪ S-video x 2 – Mini-DIN 4 connectors NOTE: Power has to be turned on for loop-thru to work
Tally	6-pin Phoenix-type connector
Power	12 VDC
Dimensions	19" 3 RU (W) x 5.2" (H) x 3.4" (D) – (482.6mm x 132mm x 86mm)
Front Panel Buttons	Menu, Up, Down, Source and Power buttons with on-screen programming.
Weight	6.4 lbs (2.9Kg) - Approximate

INTENDED USE:

Before operating the PreVIEW HD monitors, please read the entire manual thoroughly. The PreVIEW HD monitors were designed, built and tested for use indoors and with the provided power supply. The use of a power supply other than the one provided or outdoor operation has not been tested and could damage the electronics and/or create a potentially unsafe operating condition.

SAVE THESE INSTRUCTIONS:

The information contained in this manual will help you install and operate your Vaddio PreVIEW HD monitors. If these instructions are misplaced, Vaddio keeps copies of Specifications, Installation and User Guides and most pertinent product drawings for the Vaddio product line on the website. These documents can be downloaded from www.vaddio.com free of charge.

IMPORTANT SAFEGUARDS:

Read and understand all instructions before using. Do not operate the system if it has been dropped or damaged. In this case, a Vaddio technician must examine the product before operating. To reduce the risk of electric shock, do not immerse in water or other liquids and avoid extremely humid conditions.



Use only the power supply (or power supplies) provided with the PreVIEW HD Monitors. Use of any unauthorized power supply will void any and all warranties.

WARRANTY INFORMATION

Hardware* Warranty - One year limited warranty on all parts. Vaddio warrants this product against defects in materials and workmanship for a period of one year from the day of purchase from Vaddio. If Vaddio receives notice of such defects during the warranty period, they will, at their option, repair or replace products that prove to be defective.

Exclusions - The above warranty shall not apply to defects resulting from: improper or inadequate maintenance by the customer, customer applied software or interfacing, unauthorized modifications or misuse, operation outside the normal environmental specifications for the product, use of the incorrect power supply, improper extension of the power supply cable or improper site operation and maintenance.

Vaddio Customer service – Vaddio will test, repair, or replace the product or products without charge if the unit is under warranty and is found to be defective. If the product is out of warranty, Vaddio will test then repair the product or products. The cost of parts and labor charge will be estimated by a technician and confirmed by the customer prior to repair. All components must be returned for testing as a complete unit. Vaddio will not accept responsibility for shipment after it has left the premises.

Vaddio Technical support - Vaddio technicians will determine and discuss with the customer the criteria for repair costs and/or replacement. Vaddio Technical Support can be contacted through one of the following resources: e-mail support at support@vaddio.com or online at www.vaddio.com.

Return Material Authorization (RMA) number - Before returning a product for repair or replacement, request an RMA from Vaddio's technical support. Provide a technician with a return phone number, e-mail address, shipping address, and product serial numbers and describe the reason for repairs or returns as well as the date of purchase and proof of purchase. Include your assigned RMA number in all correspondence with Vaddio. Write your assigned RMA number on the shipping label of the box when returning the product. Please see Vaddio's website for current RMA policies and procedures.

Voided warranty – The warranty does not apply if the original serial number has been removed or if the product has been disassembled or damaged through misuse, accident, modifications, or unauthorized repair. Cutting the power supply cable on the secondary side (low voltage side) to extend the power to the device (camera or controller) voids the warranty for that device.

Shipping and handling - Vaddio will not pay for inbound shipping transportation or insurance charges or accept any responsibility for laws and ordinances from inbound transit. Vaddio will pay for outbound shipping, transportation, and insurance charges for all items under warranty but will not assume responsibility for loss and/or damage by the outbound freight carrier. If the return shipment appears damaged, retain the original boxes and packing material for inspection by the carrier. Contact your carrier immediately.

Products not under warranty - Payment arrangements are required before outbound shipment for all out of warranty products.

**Vaddio manufactures its hardware products from parts and components that are new or equivalent to new in accordance with industry standard practices.*

FCC Part 15 Compliance and CE Declaration of Conformity



Equipment Class: FCC Part 15 Class B

This product is herewith confirmed and found to comply with the requirements set up by FCC PART 15 Class B regulations for information technology equipment. Operation of this device is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference including interference that may cause undesired operation of the device.



European Compliance

This product meets the requirements for the below standards and hence fulfills the requirements of the European EMC Directive 2004/108/EC.

Standard(s) To Which Conformity Is Declared:

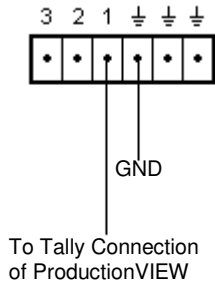
- EN55022: 2006
- EN61000-3-2: 2006
- EN61000-3-3: 1995+A1: 2001+A2: 2005
- EN55024: 1998+A1:2001+A2:2003

Appendix 1:

Tally Pin-outs connection to Vaddio ProductionVIEW switchers and controller products.

Tally Pin-Out – Single Tally Connection:

When connecting tally directly to a ProductionVIEW switcher/joystick controller.



Tally Pin-Out – Multiple Tally Connections:

When connecting tally from a ProductionVIEW switcher/joystick controller to multiple connections (i.e. Quick-Connect CCU or other equipment) a diode must be inserted on the Tally input on the back of the PreVIEW HD monitor.

