ProductionVIEW™ Consoles

PRODUCTIONVIEW™ HD MV

HD Camera Control Console with Multiviewer, Analog and Digital Outputs, Camera Preset Video Thumbnails and Optional TeleTouch™ Multiviewer Touch Screen Control Monitor

The Vaddio ProductionVIEW™ HD MV production switcher with integrated camera controller and multiviewer is a powerful, cost effective intuitive platform for live presentation environments.
Adding the optional Vaddio TeleTouch™ Multiviewer Touch Screen Control Monitor provides live video switching with the touch of your finger!

The ProductionVIEW HD MV is a broadcast quality 6 x 2 multi-format, seamless video mixer that also provides two discrete outputs for dual bus program feeds (two independent 6 x 1 switcher-s mixers).

It also includes a broadcast style 3-Axis/1-Button Hall Effect Joystick with twist-handle Zoom Control as well as separate Pan, Tilt and Speed Control Knobs. Cuts, Dissolves and Wipes can be achieved through user-selectable buttons built into the control surface. A new Lower Screen Graphic (LSG) function allows users to overlay their computer graphics onto the program video output. Analog and digital HD video resolutions up to and including 1080p/60fps are supported by the ProductionVIEW HD MV (see Technical Specifications).

ProductionVIEW HD MV is the ideal HD switcher and camera control system for a wide variety of video applications, including houses of worship, local government and live event production.

Optional TeleTouch Multiviewer Touch Screen Control Monitor

See, Touch and Switch…
With Vaddio's revolutionary TeleTouch Multiviewer Touch Screen Control Monitor, video production operators can easily see and switch all live feeds and create "video thumbnails" of preset camera shots.

Eliminates individual preview monitors
The TeleTouch Multiviewer Touch Screen Control Monitor displays up to six preview monitors and allows the camera operator to see and switch all the live video feeds by simply touching the windows that they want controlled.

Each camera input can have up to 12 stored "video thumbnails" of each preset camera shot. The video thumbnails provide an easy way to identify and recall preset camera positions on a per input basis in the preview window, which greatly simplifies overall console operation.

The ProductionVIEW HD MV includes the following items:
- ProductionVIEW HD MV Camera Control Console with Multiviewer Capability
- 18 VDC Power Supply with AC Power Cord
- Documentation

Optional TeleTouch Multiviewer Touch Screen Control Monitor available:

Image: TeleTouch 22"
Multiviewer Touch Screen
(P/N 999-5520-022)

TECHNICAL FEATURES

3-Axis Hall-Effect Joystick
The improved Hall-Effect joystick includes larger handle for better grip, along with a button that moves the PTZ camera to its home position when pressed.
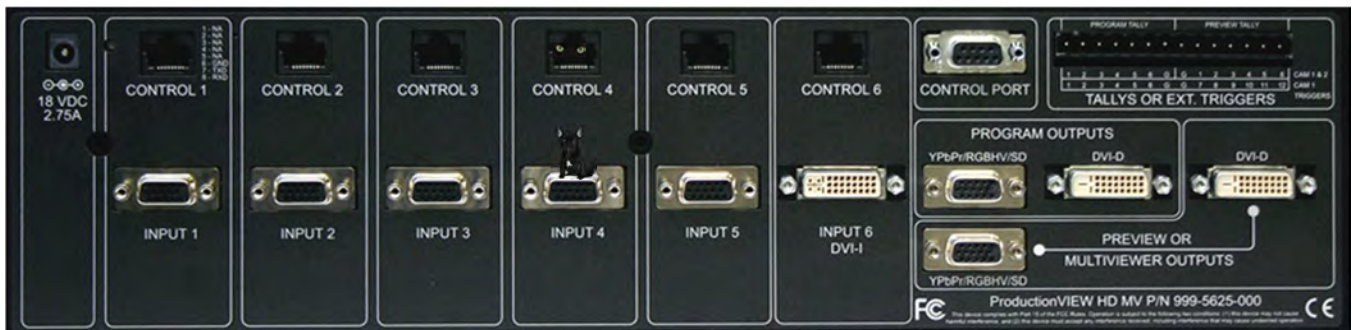
Lower Screen Graphic
Users can overlay their computer graphics onto the program video output. A variety of sizes and transparency levels are available through buttons on the console.

Six Auto-Configuring RS-232 PTZ Control Ports
ProductionVIEW HD MV has six (6) discrete PTZ control ports that eliminate the need to daisy chain control cabling. The ProductionVIEW HD MV Controller is capable of auto-sensing each camera attached including Vaddio, Sony®, Panasonic® and Canon® (see manual for complete camera compatibility list).
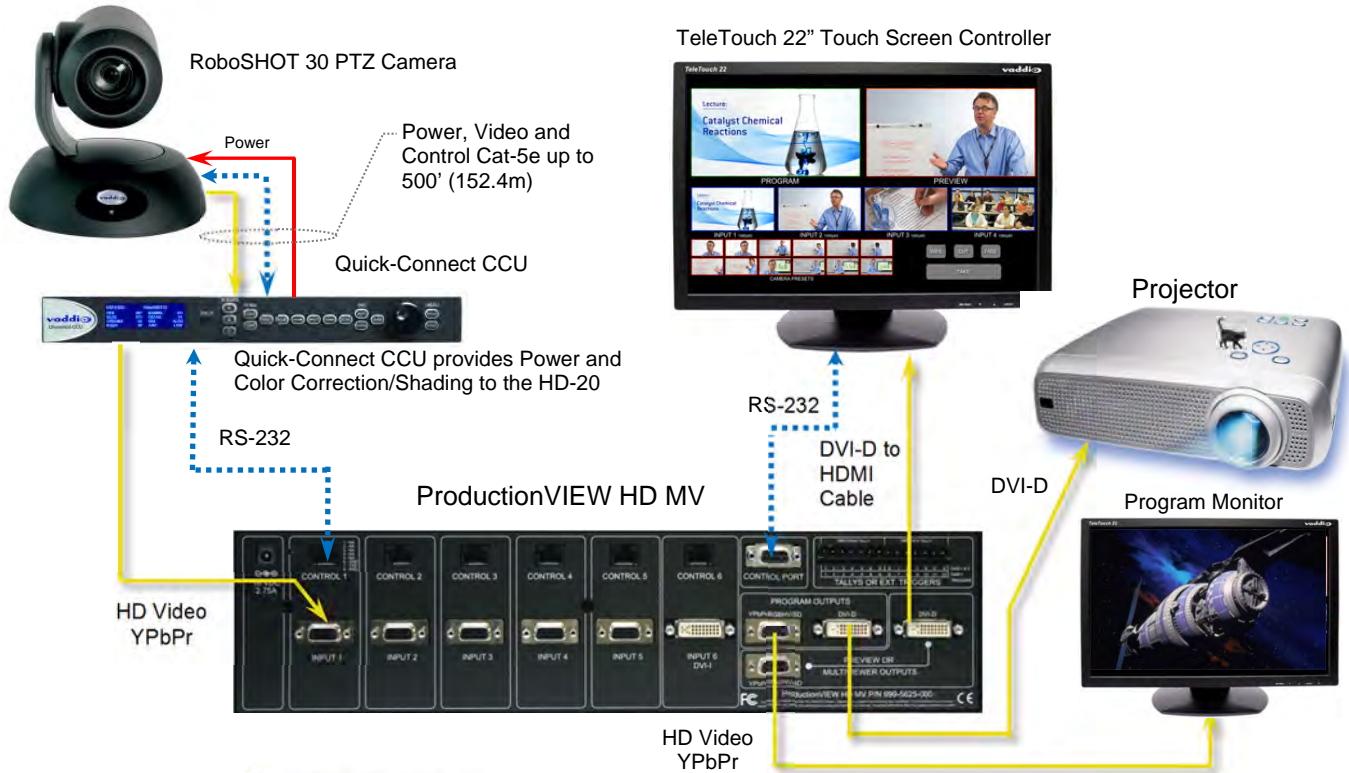
TECHNICAL IMAGES

ProductionVIEW HD MV Back Panel I/O Connectors (Left to Right):
1) Power: 18VDC, 2.75A 5.5mm OD x 2.5mm ID (positive center)
2) Inputs 1-5: RJ-45F for Camera RS-232 and DE-15F (HD-15F) for Analog HD, SD and RGBHV Video
3) Input 6: RJ-45F for Camera RS-232 and DVI-I Connector for RGBHV, DVI-D or HDMI w/o copy protect
4) Preview or Multiviewer Out: DE-15F for Analog Video, DVI-D connector for DVI-D or HDMI w/o copy protect
5) Program Out: DE-15F for Analog Video, DVI-D connector for DVI-D or HDMI w/o copy protect,
6) Control Port: On DE-9F (DB-9F)
7) Tally/Triggers: On 5mm Molex Euro Connectors

Basic System Configuration:
ProductionVIEW HD MV with RoboSHOT 30 QCCU System and TeleTouch 22" Touch Screen Controller.

RoboSHOT 30 PTZ Camera

Power

Power, Video and Control Cat-5e up to 500' (152.4m)

Quick-Connect CCU

Quick-Connect CCU provides Power and Color Correction/Shading to the HD-20

RS-232

ProductionVIEW HD MV

HD Video YPbPr

TeleTouch 22" Touch Screen Controller

RS-232

DVI-D to HDMI Cable

Projector

DVI-D

Program Monitor

HD Video YPbPr

TECHNICAL SPECIFICATIONS

ProductionVIEW HD MV	
Part Numbers:	999-5625-000 North America 999-5625-001 International
Compatible Cameras:	Vaddio, Panasonic, Sony & Canon (See Manual for Specific Models)
Video Formats Supported:	NTSC and PAL
Video Switcher:	6 x 2 (or Two 6x1 in Dual Mode)
Video Transitions:	Cross Fade, 9 Wipe options and Straight Cuts, Fade to Black
Video Inputs:	Five (5) DE-15-F: RGBHV, HD Component (YPbPr), or Y/C & Composite using adapter cables One (1) DVI-I (both DVI-D and DVI-A): HDMI 1.3 Receiver, Compliant with DVI 1.0 and HDMI 1.3
Preview or Multiviewer Output:	One (1) DE-15-F Preview or Multiviewer Output: RGBHV, HD Component (YPbPr), or Y/C & Composite using adapter cables One (1) DVI-D Preview or Multiviewer Output: HDMI 1.3 Transmitters, Compliant with DVI 1.0 and HDMI 1.3 Note: Same resolution on both Preview outputs
Program Output:	One (1) DE-15-F Program Output: RGBHV, HD Component (YPbPr), or Y/C & Composite using adapter cables One (1) DVI-D) Program Output: HDMI 1.3 Transmitters, Compliant with DVI 1.0 and HDMI 1.3 Note: Same resolution on both Program outputs
Camera Control Ports:	Six (6) RS-232 on RJ-45F
Control Interface:	One (1) RS-232 on DB-9
LCD Display:	8-line backlit LCD display
Power Requirements:	PowerRite 18 VDC, 2.78 Amp
Control Inputs for Auto Mode (input 1 & 2):	Cameras 1 & 2 have 6 presets each or Camera 1 can have 12
Tally Output:	Tally outputs for each of the six video inputs
Weight:	9.5 lbs. (4.32kg) – approximate weight
Dimensions (H x W x D):	4" (10.16cm) x 16" (40.64cm) x 10" (25.4cm)
Optional TeleTouch Multiviewer Touch Screen Monitor:	**999-5520-022** - 22" TeleTouch Multiviewer Touch Screen Monitor with Base
Optional SD (Y/C and CVBS) Adapter Cables:	**440-5600-000 -** DE-15M to 3-BNC-M (Y/C and CVBS) - 12" (304.8mm)

ProductionVIEW HD MV Resolution Tables:

Input Video Resolutions

HD Resolutions:
- 1080i 59.94
- 1080i 50
- 720p 59.94
- 720p 50
- 1080p 59.94 *
- 1080p 50 *

SD Resolutions Inputs 1-5:
SD NTSC: 720 x 480 Component,
Composite and S-Video
SD PAL: 720 x 576 Component,
Composite and S-Video

SD Input 6 DVI-I Port supports:
SD NTSC: 720 x 480 Component
SD PAL: 720 x 576 Component

RGBHV Resolutions**:	H. Freq (kHz)	Pixel Clock (MHz)
640 x 480 @ 60Hz - VGA	31.5	27.175
640 x 480 @ 75Hz - VGA	37.5	31.5
800 x 600 @ 60Hz - SVGA	37.879	40
1024 x 768 @ 60Hz - XGA	48.363	65
1024 x 768 @ 75Hz - XGA	60.023	78.750
1280 x 768 @ 60Hz	47.776	79.5
1280 x 1024 @ 60Hz - SXGA	63.981	108
1360 x 768 @ 60Hz - WXGA	47.775	67.43
1400 x 1050 @ 60Hz - SXGA+	65.359	115
1600 x 1200 @ 60Hz - UXGA	75	162

Input 6 DVI-I Additional Resolutions**:		
1152 x 720 @ 60Hz	44.859	66.75
1280 x 720 @ 60Hz	44.772	74.25
1440 x 900 @ 60Hz	55.935	106.50
1920 x 1200 @ 60Hz	74.038	154

Program Output Video Resolutions

HD Resolutions:
- 1080i 59.94
- 1080i 50
- 720p 59.94
- 720p 50
- 1080p 59.94 *
- 1080p 50 *

SD Resolutions:
480i x 29.97Hz
576i x 25Hz

RGBHV Resolutions**:	H. Freq (kHz)	Pixel Clock (MHz)
640 x 480 @ 60Hz - VGA	31.5	27.175
640 x 480 @ 75Hz - VGA	37.5	31.5
800 x 600 @ 60Hz - SVGA	37.879	40
1024 x 768 @ 60Hz - XGA	48.363	65
1024 x 768 @ 75Hz - XGA	60.023	78.750
1280 x 768 @ 60Hz	47.776	79.5
1280 x 1024 @ 60Hz - SXGA	63.981	108
1360 x 768 @ 60Hz - WXGA	41.571	74
1400 x 1050 @ 60Hz - SXGA+	65.340	121.75
1600 x 1200 @ 60Hz - UXGA	75	162
1920 x 1200 @60 HZ – WUXGA***	74.038	154

***With reduced blanking (with monitor support on VGA input)

Preview/Multiviewer Output Video Resolutions

HD Resolutions:
- 1080i 59.94
- 1080i 50
- 720p 59.94
- 720p 50
- 1080p 59.94 *
- 1080p 50 *

SD Resolutions:
480i x 29.97Hz
576i x 25Hz

Multiviewer Resolutions:
1080p 59.94 *
1080p 50 *
1080i 59.94
1080i 50

RGBHV Resolutions**:	H. Freq (kHz)	Pixel Clock (MHz)
640 x 480 @ 60Hz - VGA	31.5	27.175
640 x 480 @ 75Hz - VGA	37.5	31.5
800 x 600 @ 60Hz - SVGA	37.879	40
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1400 x 1050 @ 60Hz - SXGA+	65.340	121.75
1600 x 1200 @ 60Hz - UXGA	75	162
1920 x 1200 @60 HZ – WUXGA***	74.038	154

***With reduced blanking (with monitor support on VGA input)

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