



205 Westwood Ave, Long Branch, NJ 07740
 Phone: 866-94 BOARDS (26273) / (732)-222-1511
 Fax: (732)-222-7088 | E-mail: sales@touchboards.com



PRODUCTIONVIEW™ HD-SDI MV

HD-SDI Camera Control Console with built-in Multiviewer and Expanded I/O Capabilities

The Vaddio ProductionVIEW™ HD-SDI MV seamless broadcast production switcher with integrated camera controller and multiviewer is a powerful, cost effective and 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-SDI 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 switchers/mixers).



Because the ProductionVIEW HD-SDI is a live broadcast production console and not a computer, the entire system produces only one frame of delay, which is a critical requirement for live production where image magnification is used. All six (6) inputs are auto-sensing for video resolution and camera control. The video input configuration includes five (5) HD-SDI/SDI inputs on carrier class, edge mount gold contact BNC-F connectors and a single DVI-I input on channel six that allows for multiple formats (DVI-D, YPbPr, RGBHV and HDMI) with 36 additional input resolutions. Input signals include the 3Gb/s HD-SDI standard (SMPTE 424M) on a single coax (single link), as well as SMPTE 292M and SMPTE 259M. Between the HD-SDI and HDMI outputs, a total of 20 video output resolutions are selectable. The HD-SDI outputs and HDMI outputs provide a distinct advantage when choosing a set of inexpensive monitors or using the Vaddio TeleTouch Touch Screen Control Monitors.

The control surface 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. Transitions (cut, dissolve, wipe) and transition speed 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. ProductionVIEW HD-SDI 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 ProductionVIEW HD-SDI MV 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-SDI MV includes the following items:

- ProductionVIEW HD-SDI MV Camera Control Console with Multiviewer Capability
- 18 VDC PowerRite™ Power Supply with AC Power Cord
- Lower Screen Graphic Quick-Start Demo CD
- Documentation

Optional TeleTouch Multiviewer Touch Screen Control Monitors are available in two sizes:



18.5" Rack Mount Multiviewer Touch Screen
(P/N 999-5520-185)



22" Standard Multiviewer Touch Screen w/base
(P/N 999-5520-022)

TECHNICAL FEATURES

3-Axis/1-Button Hall-Effect Joystick: The improved Hall-Effect Joystick includes a larger handle for better grip and a top 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-SDI MV has six (6) discrete PTZ control ports that eliminate the need to daisy chain control cabling. The ProductionVIEW HD-SDI 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

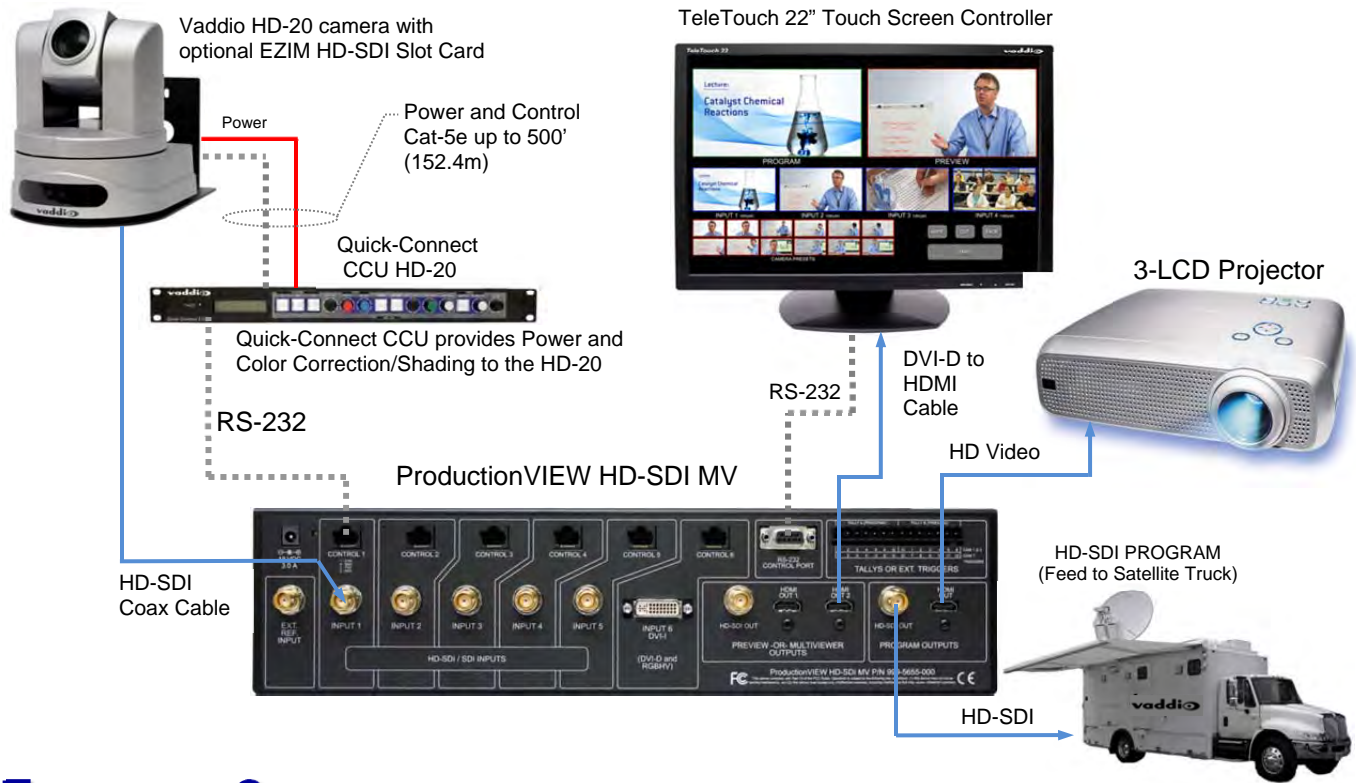


ProductionVIEW HD-SDI MV Back Panel I/O Connectors (roughly left to right):

- 1) Power:** 18VDC, 2.75A 5.5mm OD x 2.5mm ID (positive center)
- 2) External Reference Input:** One (1) BNC-F for external reference from external device
- 3) Inputs 1-5:** One (1) RJ-45F for Camera RS-232 and one (1) BNC-F for HD-SDI/SDI for each input
- 4) Input 6:** One (1) RJ-45F for Camera RS-232 and one (1) DVI-I-F Connector for DVI-D, RGBHV, YPbPr or HDMI (w/o audio or copy protect)
- 5) Preview or Multiviewer Out:** One (1) BNC-F for HD-SDI/SDI and two (2) HDMI for Multiviewer (use the HDMI to DVI-D-M Adapter Cable for TeleTouch Monitors)
- 6) Program Out:** One (1) BNC-F for HD-SDI/SDI and one (1) HDMI
- 7) Control Port:** One (1) DE-9F (DB-9F)
- 8) Tally/Triggers:** On Molex 5mm Euro Connectors

Basic System Configuration:

ProductionVIEW HD-SDI MV connected to HD-20 PTZ Camera with EZIM HD-SDI Slot Card, Quick-Connect CCU HD-20 and TeleTouch 22" Touch Screen Controller.



TECHNICAL SPECIFICATIONS

ProductionVIEW HD-SDI MV	
Part Numbers:	999-5655-000 (North America) 999-5655-001 (International)
Compatible PTZ Cameras:	Vaddio, Panasonic & Sony (cameras require optional SDI card)
Video Switcher:	6 Inputs x 2 Outputs - OR - Two (2) Independent 6 x 1 Switchers in Dual Mode
Video Transitions:	Crossfade, 9-wipe options and straight cuts, fade to black with a selectable transition time of .01 to 4.0 seconds
Video Inputs:	Five (5) HD-SDI/SDI inputs on BNC connectors One (1) DVI-I Input (DVI-D, RGBHV, YPbPr, HDMI (DVI1.0 and HDMI 1.3 Compliant Receiver))
Preview or Multiviewer Outputs:	One (1) Preview output BNC-F for HD-SDI or SDI Two (2) Preview or Multiviewer Outputs (HDMI)
Program Output:	One (1) Program output BNC-F for HD-SDI or SDI One (1) Program output (HDMI) Note: Transitions only appear on the Program outputs
External Reference:	One (1) BNC-F Input for External Reference (sync)
Camera Control Ports:	Six (6) RS-232 on RJ-45-F
Control Interface:	One (1) RS-232 on DE-9-F (DB-9-F)
8-Line LCD Display (Menu):	Eight (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 presets (Select between Trigger Inputs for Camera Presets or Tally Outputs)
Tally Output:	Tally outputs for each of the six video inputs (Select between Trigger Inputs for Camera Presets or Tally Outputs)
Weight (approximate):	9.5 lbs. (4.32kg)
Dimensions (W x D x H):	16" (40.64cm) x 10" (25.4cm) x 4" (10.16cm)
Optional TeleTouch Multiviewer Touch Screen Monitors:	999-5520-185 - 18.5" Rack Mount TeleTouch Multiviewer Touch Screen Monitor 999-5520-022 - 22" TeleTouch Multiviewer Touch Screen Monitor with Base

ProductionVIEW HD-SDI MV Resolution Tables:

INPUTS				
INPUTS 1 thru 5*	INPUT 6*			
HD-SDI & SDI	RGBHV	YPbPr	DVI-D (sRGB Color Space)	HDMI (YCbCr Color Space)
525i/29.97	640x480@60Hz	720p/50	640x480@60Hz	720p/50
625i/25	640x480@75Hz	720p/59.94	640x480@75Hz	720p/59.94
720p/59.94	800x600@60Hz	1080p/60	800x600@60Hz	1080p/60
720p/50	1024x768@60Hz	1080p/59.94	1024x768@60Hz	1080p/59.94
1080p/60	1024x768@75Hz	1080p/50	1024x768@75Hz	1080p/50
1080p/59.94	1280x768@60Hz	1080i/59.94 fields/s	1152x720@60Hz	1080i/59.94 fields/s
1080p/50	1280x1024@60Hz	1080i/50 fields/s	1280x768@60Hz	1080i/50 fields/s
1080i/59.94 fields/s	1360x768@60Hz		1280x800 @60Hz	
1080i/50 fields/s	1400x1050@60Hz		1280x1024@60Hz	
	1600x1200@60Hz		1360x768@60Hz	
			1400x1050@60Hz	
			1440x900@60Hz	
			1600x1200@60Hz	
			1920x1200@60Hz	
OUTPUTS**				
PROGRAM***		PREVIEW or MULTIVEIWER****		
HD-SDI/SDI	HDMI	HD-SDI/SDI	HDMI 1	HDMI 2
525i/29.97	525i/29.97	525i/29.97	525i/29.97	525i/29.97
625i/25	625i/25	625i/25	625i/25	625i/25
720p/50	720p/50	720p/50	720p/50	720p/50
720p/59.94	720p/59.94	720p/59.94	720p/59.94	720p/59.94
1080p/60	1080p/60	1080p/60	1080p/60	1080p/60
1080p/59.94	1080p/59.94	1080p/59.94	1080p/59.94	1080p/59.94
1080p/30	1080p/30	1080p/30	1080p/30	1080p/30
1080p/25	1080p/25	1080p/25	1080p/25	1080p/25
1080p/50	1080p/50	1080p/50	1080p/50	1080p/50
1080i/59.94 fields/s	1080i/59.94 fields/s	1080i/59.94 fields/s	1080i/59.94 fields/s	1080i/59.94 fields/s
1080i/50 fields/s	1080i/50 fields/s	1080i/50 fields/s	1080i/50 fields/s	1080i/50 fields/s
Multiviewer Resolutions for use with TeleTouch Touch Screen Controller				
		1080p/59.94 MV	1080p/59.94 MV	1080p/59.94 MV
		1080p/50 MV	1080p/50 MV	1080p/50 MV
		1080i/59.94 MV	1080i/59.94 MV	1080i/59.94 MV
		1080i/50 MV	1080i/50 MV	1080i/50 MV

*All resolutions listed as frames out per second, except where noted. Input resolutions are auto-sensing.

**Output Resolutions must be selected by the user.

***Program resolutions on BNC and HDMI are the same resolution.

****Preview or Multiviewer Resolutions on BNC and two (2) HDMI Connectors are also the same resolution. The MV resolutions are for use with the TeleTouch 18.5" or 22" Touch Screen Control Monitors.

HD-SDI/SDI Cable Distances:

Using the ProductionVIEW HD-SDI MV Console and the EZIM HD-SDI Slot Card for the HD-20, HD-19 and HD-18, expected HD-SDI/SDI cable distances are approximately as follows:

Resolutions:	SMPTE STD	Cable Distances*
720p/59.94/50	SMPTE 292M	Max. Length: 754.543 ft. (230m)
1080i/59.94/50	SMPTE 292M	Max. Length: 754.543 ft. (230m)
1080p/59.94/50	SMPTE 424M	Max. Length: 459.287 ft. (140m) 1080p/59.94/60/50 - 3Gb/s compliant - Single Link
525i/29.97	SMPTE 259M	Max. Length: 820.179 ft. (250m)
625i/25	SMPTE 259M	Max. Length: 820.179 ft. (250m)

*Distances are approximate and based on using Belden 1694A coax cable. Results may vary.