

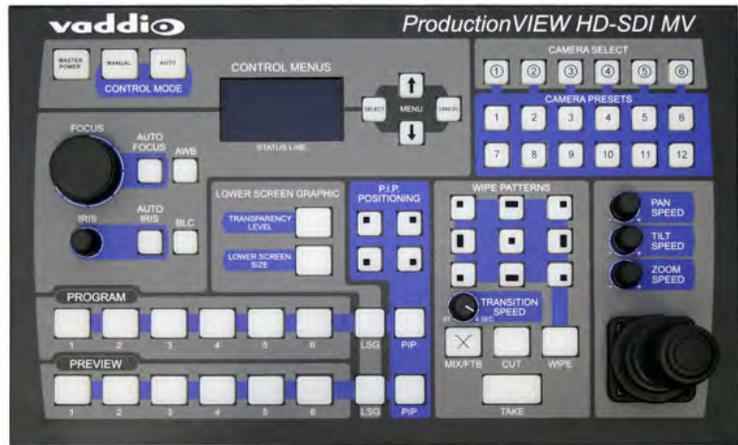
# ProductionVIEW™ Consoles

## 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 Power Supply with AC Power Cord
- Lower Screen Graphic Quick-Start Demo CD
- Documentation

### Optional TeleTouch Multiviewer Touch Screen Control Monitor available:



**Image:** TeleTouch 22"  
Multiviewer Touch Screen  
(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

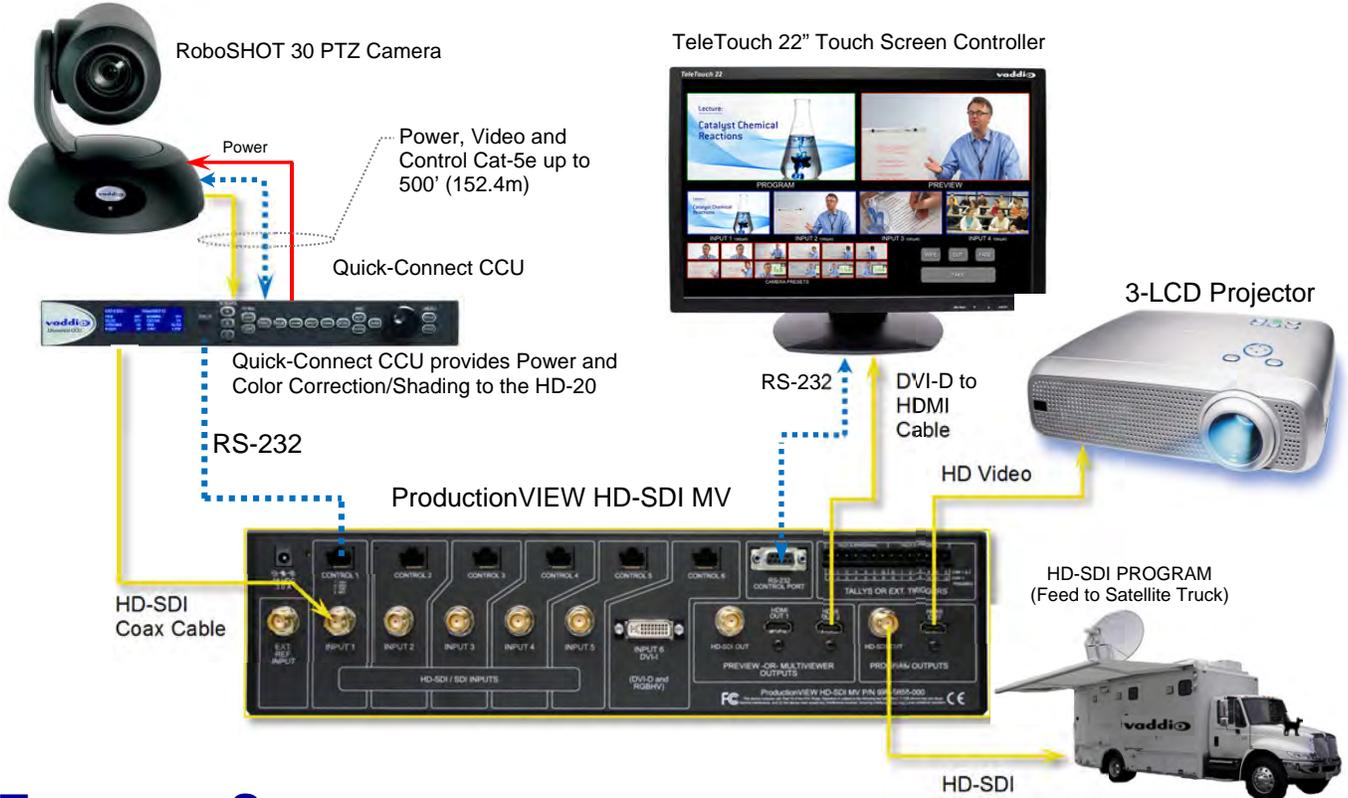


### ProductionVIEW HD-SDI MV Back Panel I/O Connectors (roughly left to right):

- 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 with RoboSHOT 30 QCCU Camera and using the TeleTouch 22" Touch Screen Controller for multiviewer and control.



**TECHNICAL SPECIFICATIONS**

| ProductionVIEW HD-SDI MV                                    |  |
|---|--|
| <b>Part Numbers:</b>  | 999-5655-000 (North America)<br>999-5655-001 (International)   |
| <b>Compatible PTZ Cameras:</b>                              | Vaddio, Panasonic & Sony (cameras require optional SDI card)   |
| <b>Video Switcher:</b>                                      | 6 Inputs x 2 Outputs - OR - Two (2) Independent 6 x 1 Switchers in Dual Mode   |
| <b>Video Transitions:</b>                                   | Crossfade, 9-wipe options and straight cuts, fade to black with a selectable transition time of .01 to 4.0 seconds                       |
| <b>Video Inputs:</b>  | Five (5) HD-SDI/SDI inputs on BNC connectors<br>One (1) DVI-I Input (DVI-D, RGBHV, YPbPr, HDMI (DVI1.0 and HDMI 1.3 Compliant Receiver)) |
| <b>Preview or Multiviewer Outputs:</b>                      | One (1) Preview output BNC-F for HD-SDI or SDI<br>Two (2) Preview or Multiviewer Outputs (HDMI)  |
| <b>Program Output:</b>                                      | One (1) Program output BNC-F for HD-SDI or SDI<br>One (1) Program output (HDMI)<br>Note: Transitions only appear on the Program outputs  |
| <b>External Reference:</b>                                  | One (1) BNC-F Input for External Reference (sync)  |
| <b>Camera Control Ports:</b>                                | Six (6) RS-232 on RJ-45-F  |
| <b>Control Interface:</b>                                   | One (1) RS-232 on DE-9-F (DB-9-F)  |
| <b>8-Line LCD Display (Menu):</b>                           | Eight (8) line backlit LCD display   |
| <b>Power Requirements:</b>                                  | 18 VDC, 2.78 Amp Switching Power Supply  |
| <b>Control Inputs for Auto Mode (input 1 &amp; 2):</b>      | Cameras 1 & 2 have 6 presets each or Camera 1 can have 12 presets (Select between Trigger Inputs for Camera Presets or Tally Outputs)    |
| <b>Tally Output:</b>  | Tally outputs for each of the six video inputs (Select between Trigger Inputs for Camera Presets or Tally Outputs)                       |
| <b>Weight (approximate):</b>                                | 9.5 lbs. (4.32kg)  |
| <b>Dimensions (W x D x H):</b>                              | 16" (40.64cm) x 10" (25.4cm) x 4" (10.16cm)  |
| <b>Optional TeleTouch Multiviewer Touch Screen Monitor:</b> | <b>999-5520-022</b> - 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<br>(sRGB Color Space) | HDMI<br>(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                    |
| 1080i59.94 fields/s   | 1080i59.94 fields/s | 1080i59.94 fields/s        | 1080i59.94 fields/s         | 1080i59.94 fields/s         |
| 1080i50 fields/s  | 1080i50 fields/s    | 1080i50 fields/s           | 1080i50 fields/s            | 1080i50 fields/s            |
| <b>Multiviewer Resolutions for use with TeleTouch Touch Screen Controller</b> |                     |                            |                             |                             |
|   |                     | 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 22" Touch Screen Control Monitors.



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