

## QUICK-CONNECT™ DVI/HDMI SR WITH HSDS™

### Vaddio™ Quick-Connect DVI-D/HDMI - SR Interface for the Vaddio HD-18 Pan/Tilt/Zoom Camera

The Vaddio Quick-Connect DVI/HDMI - SR Interface was designed and built specifically to advance the Vaddio HD-18 camera into a wide variety of digital video and extended control applications.

The Quick-Connect DVI/HDMI is a perfect complement to the Vaddio HD-18 as it takes advantage of the superb flexibility of the camera's video system and incorporates Vaddio's EZCamera™ cabling system using two (2) Category 5 cables to transport Video, Power and Control, to and from the camera and interface. Simply put, these products were designed and manufactured as a pair from the beginning.

The active electronics built-in both the HD-18 and the Quick-Connect DVI/HDMI deliver high definition video using high speed differential signaling (HSDS) for the video and IR signals. HSDS is at the core of Vaddio's Category 5 cabling systems and provides high definition video capability (up to 1080p/60) with superior video quality over cabling distances up to 100' (30.48m).

The Quick-Connect DVI/HDMI has many new features including simultaneous analog component video (YPbPr) and digital video outputs (DVI-D or HDMI with the HDMI adapter cable option) on separate connectors which is ideal for multiple monitoring and large projection systems. Extended control functions include Daisy Chain Control Emulation (DCCE™) which allows single control port codecs to control multiple HD-18 cameras, and IR forwarding in modulated and non-modulated formats for extending the reach of the IR remotes included with today's most popular videoconferencing systems.

Overall, the combination of the Quick-Connect DVI/HDMI - SR Interface and HD-18 PTZ camera with its many available packages, is a remarkable choice for a wide range of HD analog and HD digital video applications.

## WHAT'S INCLUDED

- Vaddio Quick-Connect DVI/HDMI - SR Interface
- 24V PowerRite™ Power Supply
- AC Cord Set
- EZCamera Control Adapter (RJ-45 to DB-9)
- Documentation  
(Note: camera not included)

## TECHNICAL FEATURES

### Integrated Design for use with the HD-18

The Quick-Connect DVI/HDMI and the HD-18 both use high speed differential signaling (HSDS) for transmission of high definition video (up to 1080p/60) and IR signals over Category 5 cabling. Video, Power and Control is conveyed using only two Category 5 cables.

### Simultaneous Analog and Digital Outputs

The Quick-Connect DVI is equipped with both Analog (YPbPr) and Digital video outputs (DVI-D or HDMI with an optional DVI-D to HDMI adapter cable) to allow the flexibility in system design demanded by today's best integrators.

### Daisy Chain Control Emulation - DCCE

The Quick-Connect DVI/HDMI provides for daisy chain type control wiring, where all the wiring is done at the interface, which is perfect for use with single control port video systems.

### IR Forwarding Feature

The IR Forwarding feature allows IR signals from Polycom™ and TANDBERG™ remotes to be sent through the HD-18 to the codec's IR interface or IR window allowing for camera placement and system design freedom.



Figure 1: Rear Panel of the Quick-Connect DVI/HDMI - SR Interface (1/2 Rack Width Enclosure)

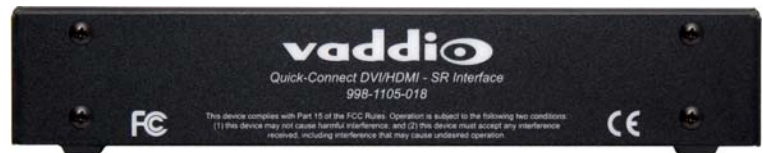
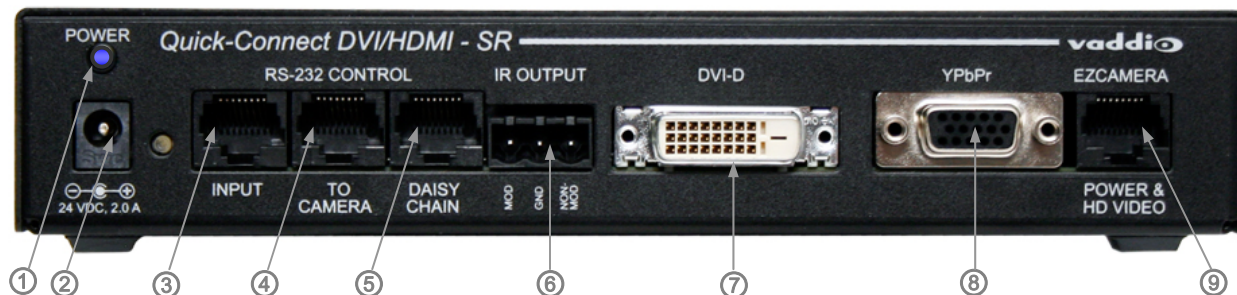


Figure 2: Front Panel of the Quick-Connect DVI/HDMI - SR Interface (Optional Accessory Rack Mount Panel Available)

# TECHNICAL IMAGES

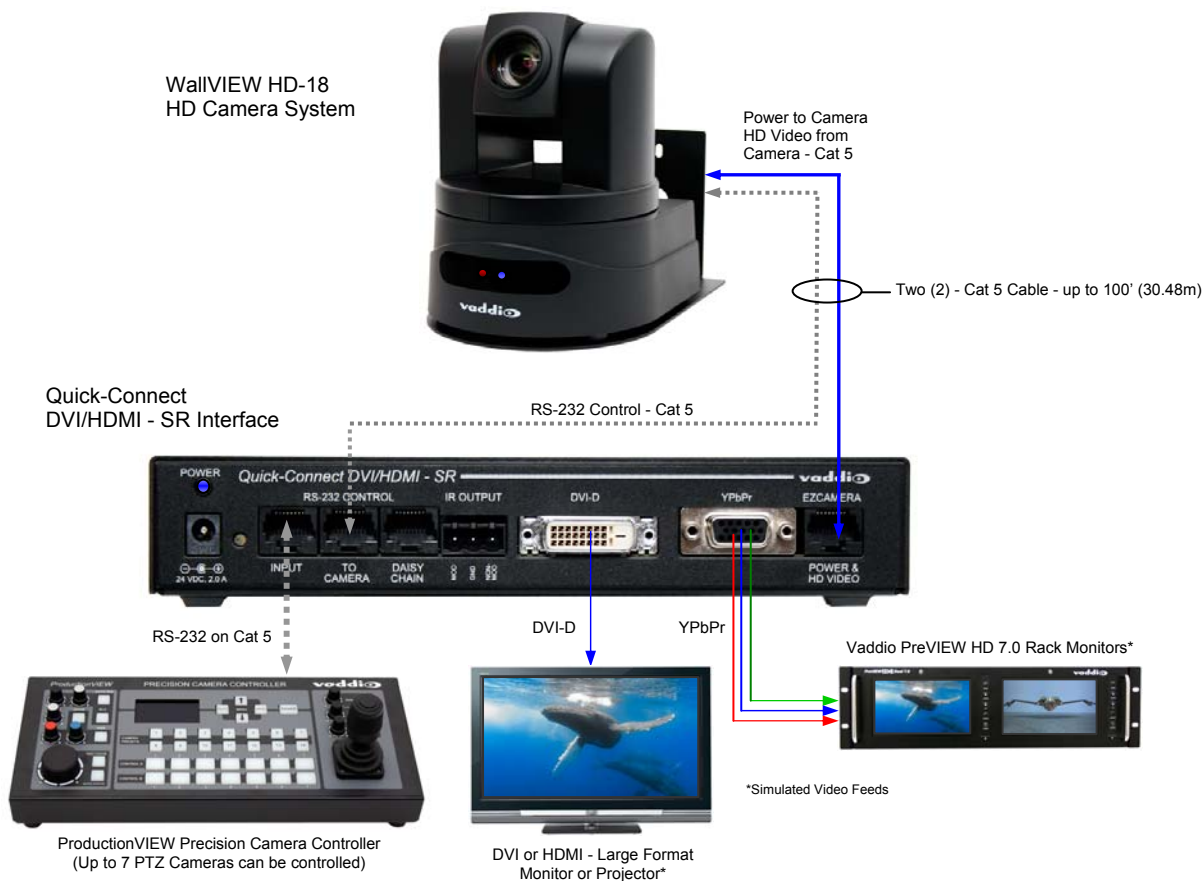
**Figure 3:** Quick-Connect DVI/HDMI - SR Interface Rear Panel Image with Functional Callouts



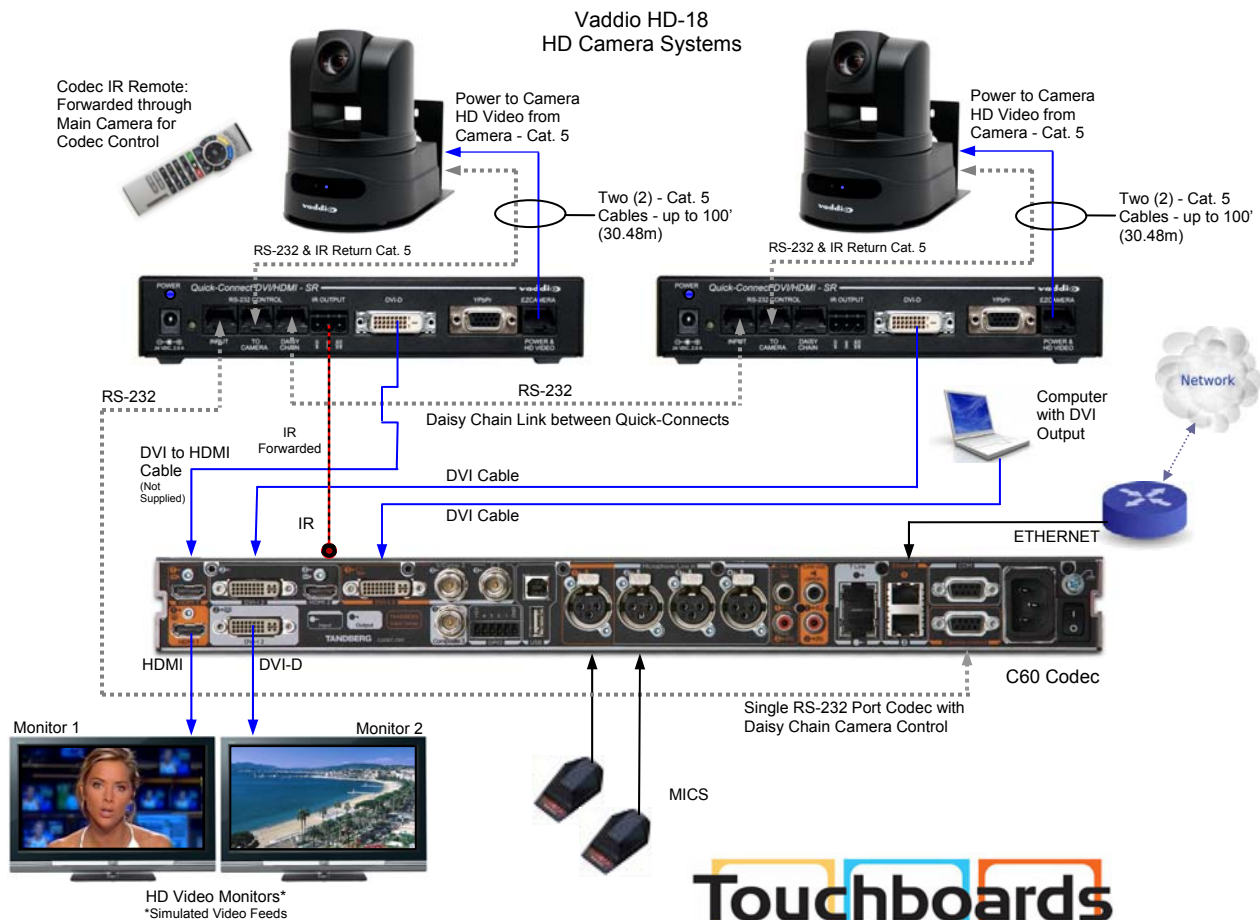
- 1) Vaddio Blue LED Power Indicator
- 2) Power Port: 24 VDC, 2.0 Amp Power Connection, 5.5mm OD x 2.5mm ID, Positive Center
- 3) RS-232 Control Input (from joystick controller, codec or control system)
- 4) To Camera: RS-232 Control to & from Camera and IR signals returned from the camera
- 5) Daisy Chain Control Port: Daisy Chain Control Emulation (DCCE) output to next Quick-Connect DVI/HDMI
- 6) IR Output Port: Non-modulated (for hard connections) and Modulated for use with IR emitters
- 7) DVI-D Output: High Definition Multimedia Interface (HDMI) Transmitter, HDMI (v 1.3 with deep color) and DVI v 1.0 Compliant
- 8) YPbPr Output: Analog Component Video Output on DE-15F Connector, Resolutions up to 1080p/60 with monitor support
- 9) EZCamera Port: Supplies power to camera and returns HD video from the camera

# SYSTEM CONNECTIVITY

**Figure 4:** Basic system connectivity of a Vaddio WallVIEW™ HD-18 and Quick-Connect DVI/HDMI - SR Interface with Vaddio ProductionVIEW™ Precision Camera Controller and Monitors



**Figure 5:** System connectivity of Vaddio HD-18 Cameras and Quick-Connect DVI/HDMI - SR Interfaces Configured with Single Control Port Codec with Daisy Chain Control Emulation (DCCE).



## TECHNICAL SPECIFICATIONS

**Touchboards**  
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 MADE IN THE USA

Quick-Connect DVI/HDMI - SR Interface	
<b>Part Numbers</b>	<p><b>998-1105-018:</b> Quick-Connect DVI/HDMI - SR Interface (Interface Box Only)</p> <p><b>998-6906-000:</b> Quick-Connect DVI/HDMI - SR Interface Kit - North America</p> <p><b>998-6906-001:</b> Quick-Connect DVI/HDMI - SR Interface Kit - International (Kit Includes Quick-Connect DVI/HDMI - SR Interface, Power Supply, AC Cord Set, Control Adapter and Documentation)</p> <p><b>999-6906-000:</b> WallVIEW DVI/HDMI HD-18 System - North America</p> <p><b>999-6906-001:</b> WallVIEW DVI/HDMI HD-18 System - International (System Includes: Vaddio HD-18 Camera, Quick-Connect DVI/HDMI - SR Interface, Wall Mount and Mounting Hardware, Power Supply, AC Cord Set, Control Adapter and Documentation)</p>
<b>Connectors</b>	<p>Power Connector: 5.5mm OD x 2.5mm ID</p> <p>Power RJ-45: Four (4) Control IN, Control OUT, Daisy Chain OUT, EZCamera Power Video Port</p> <p>IR: 3-Pin Phoenix type connector (Modulated, Non-modulated and GND)</p> <p>Video Outputs: DVI-D (Female - Single Link), DE-15F (High Density D-Sub 15-Pin F) for HD YPbPr</p>
<b>Video Resolution</b>	Up to 1080p/60 for DVI-D and YPbPr (YPbPr w/monitor support), Resolution set at HD-18 Camera
<b>Cat. 5 Cable Length</b>	Up to 100' (30.48m)
<b>Power Supply</b>	24 VDC, 2.0 Amp PowerRite (110-240V, 50/60Hz) Switching Power Supply with AC Cord Set
<b>Materials</b>	CRS with Black Powder Coat Paint
<b>Dimensions</b>	½-Rack Size, 1-RU Rack Mount - 1.72" H x 8" W x 6.751" D (4.369cm x 20.32cm x 17.15cm)
<b>Weight</b>	1.21 lbs. (0.548846804 kg)
<b>Accessory Options</b>	<p>1-RU Rack Mount Panel for two (2) units (side by side): PN# 998-6000-003</p> <p>1m (3.3') DVI-D Male to HDMI Male P/N: 440-5643-001</p> <p>3m (10') DVI-D Male to HDMI Male P/N: 440-5643-003</p>