

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

## Vaddio™ Quick-Connect DVI-D/HDMI - SR Interface Kit for the Vaddio HD-Series PTZ Cameras

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

The Quick-Connect DVI/HDMI is a perfect complement to the Vaddio HD-Series cameras as it takes advantage of the superb flexibility of the video system and incorporates Vaddio's EZCamera™ cabling system using two (2) Cat-5/5e/6 cables to transport Video, Power and Control between 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-Series cameras 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 Cat-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 features including simultaneous analog component video (YPbPr) and digital video outputs (DVI-D or HDMI with a HDMI adapter) 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-Series 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-Series PTZ cameras with its many available packages, is a remarkable choice for a wide range of HD analog and HD digital video applications.



**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)

## WHAT'S INCLUDED

**Part Number 998-6906-000 North American**  
**Part Number 998-6906-001 Int'l**

- Vaddio Quick-Connect DVI/HDMI - SR Interface
- 24V PowerRite™ Power Supply
- AC Cord Set
- EZCamera Control Adapter (RJ-45 to DB-9)
- Quick-Start Guide

**Camera not included**

[Full length manuals available at support.vaddio.com](http://support.vaddio.com)

## TECHNICAL FEATURES

### Design for use with the HD-Series cameras

The Quick-Connect DVI/HDMI and the HD-18/19/20/22/30/20SE 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

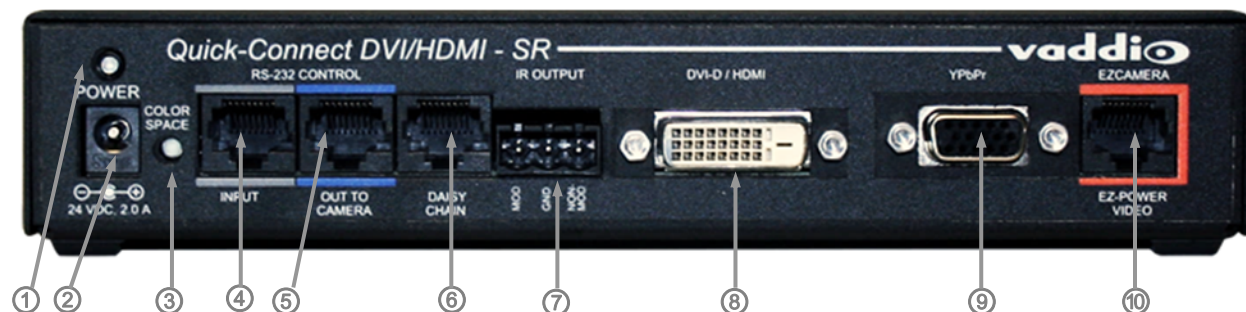
The Quick-Connect DVI/HDMI provides for daisy chain type control wiring, where all the wiring is done at the interface, which is perfect for use with single control port video systems.

### 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.

# TECHNICAL IMAGES

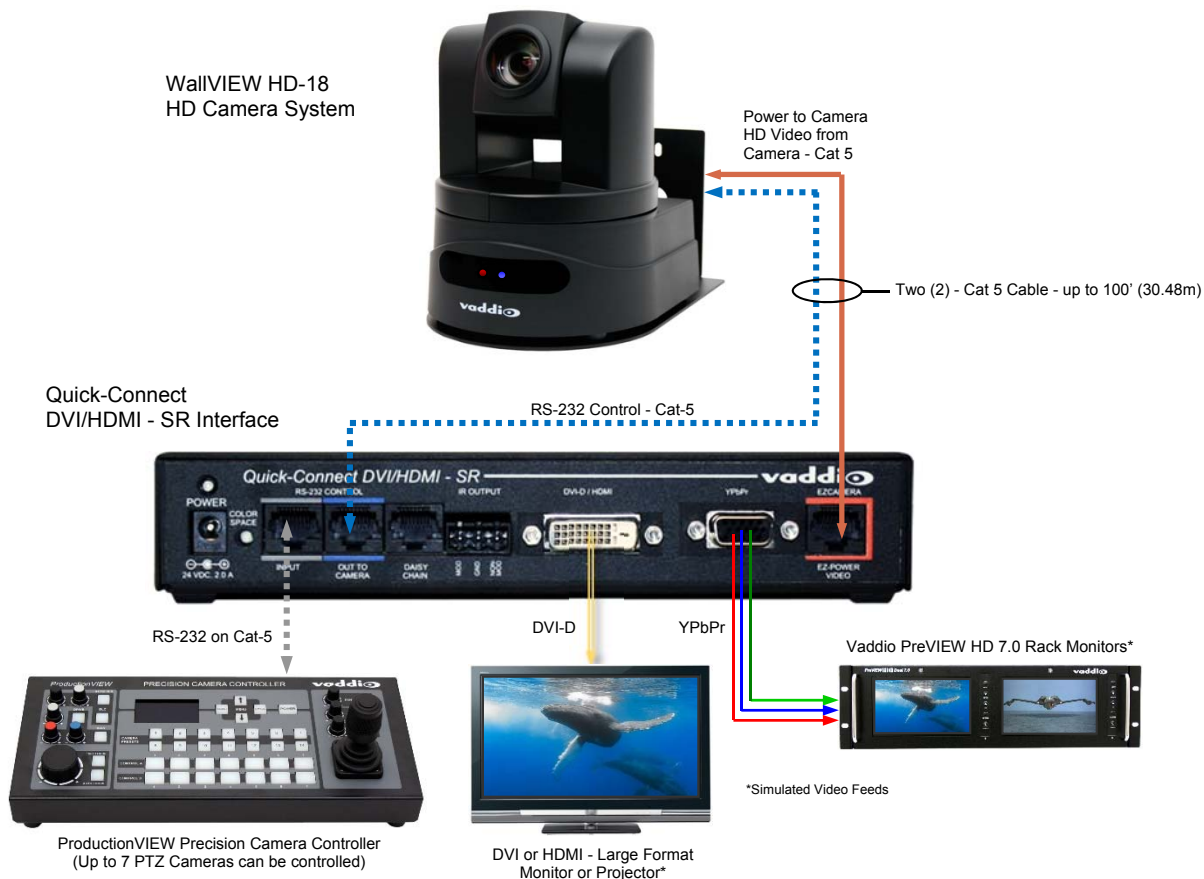
**Figure 3:** Quick-Connect DVI/HDMI - SR Interface Rear Panel Image with Functional Callouts



- 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) Color Space Switch: Switches between YCbCr (HDMI) and sRGB (DVI-D) color space.
- 4) RS-232 Control Input: From joystick controller, codec or control system, color coded grey
- 5) To Camera: RS-232 Control to & from Camera and IR signals returned from the camera, color coded blue.
- 6) Daisy Chain Control Port: Daisy Chain Control Emulation (DCCE) output to next Quick-Connect DVI/HDMI
- 7) IR Output Port: Non-modulated (for hard connections) and Modulated for use with IR emitters
- 8) DVI-D Output: High Definition Multimedia Interface (HDMI) Transmitter, HDMI (v 1.3 with deep color) and DVI v 1.0 Compliant
- 9) YPbPr Output: Analog Component Video Output on DE-15F Connector, Resolutions up to 1080p/60 with monitor support
- 10) EZCamera EZ-Power Video Port: Supplies power to camera and returns HD video from the camera, color coded orange.

# 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





## TECHNICAL SPECIFICATIONS

Quick-Connect DVI/HDMI - SR Interface	
<b>Part Numbers</b>	<p><b>998-6906-000:</b> Quick-Connect DVI/HDMI - SR Interface <b>Kit</b> - North America  <b>998-6906-001:</b> Quick-Connect DVI/HDMI - SR Interface <b>Kit</b> - International            The <b>Kit</b> Includes Quick-Connect DVI/HDMI - SR Interface, Power Supply, AC Cord Set, and Control Adapter.</p> <p><b>Compatible Cameras (not included)</b>            999-6900-000 / 001: ClearVIEW HD-18            999-6940-000 / 001: ClearVIEW HD-19            999-6950-000 / 001: ClearVIEW HD-20            999-6960-000 / 001: PowerVIEW HD-22            999-6970-000 / 001: PowerVIEW HD-30            999-6980-000 / 001: ClearVIEW HD-20SE  <b>Note:</b> the 000 suffix is for North American cameras and the 001 suffix is for Int'l cameras</p> <p><b>998-1105-018:</b> Quick-Connect DVI/HDMI - SR Interface Only*  <b>*This interface part number only comes with a cardboard box.</b></p>
<b>Video Resolution</b>	Up to 1080p/60 for DVI-D and YPbPr (YPbPr w/monitor support), Resolution set at HD Series Camera
<b>Max. Cat. 5 Cable Length</b>	Up to 100' (30.48m)
<b>Power Supply</b>	24 VDC, 2.08 Amp (110-240V, 50/60Hz) 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. (0.55kg)
<b>Accessory Option</b>	1-RU Rack Mount Panel for two (2) units (side by side): PN# 998-6000-003