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.

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

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.

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

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.

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.vaddo.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.

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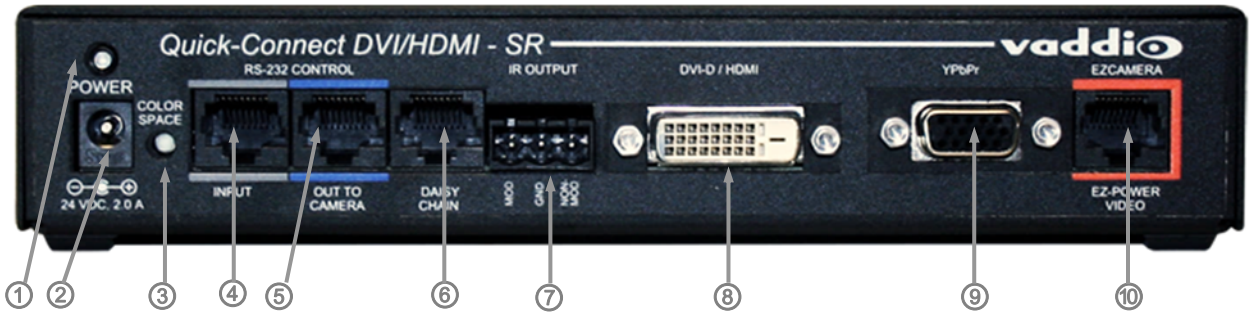
TECHNICAL IMAGES

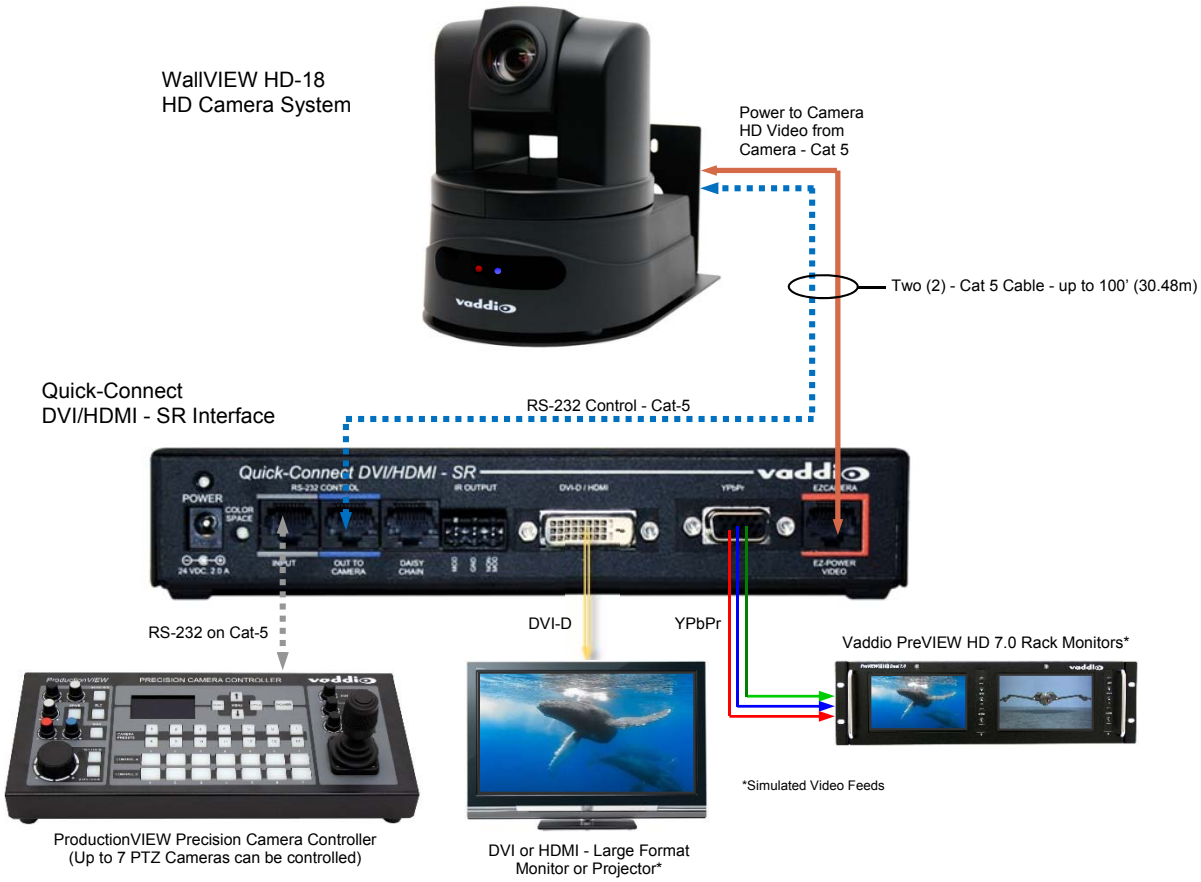
Figure 3: Quick-Connect DVI/HDMI - SR Interface Rear Panel Image with Functional Callouts



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	
Part Numbers	**998-6906-000:** Quick-Connect DVI/HDMI - SR Interface **Kit** - North America **998-6906-001:** Quick-Connect DVI/HDMI - SR Interface **Kit** - International The **Kit** Includes Quick-Connect DVI/HDMI - SR Interface, Power Supply, AC Cord Set, and Control Adapter. **Compatible Cameras (not included)** 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 **Note:** the 000 suffix is for North American cameras and the 001 suffix is for Int'l cameras **998-1105-018:** Quick-Connect DVI/HDMI - SR Interface Only* ***This interface part number only comes with a cardboard box.***
Video Resolution	Up to 1080p/60 for DVI-D and YPbPr (YPbPr w/monitor support), Resolution set at HD Series Camera
Max. Cat. 5 Cable Length	Up to 100' (30.48m)
Power Supply	24 VDC, 2.08 Amp (110-240V, 50/60Hz) Power Supply with AC Cord Set
Materials	CRS with Black Powder Coat Paint
Dimensions	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)
Weight	1.21 lbs. (0.55kg)
Accessory Option	1-RU Rack Mount Panel for two (2) units (side by side): PN# 998-6000-003