

WALLVIEW™ HD-18 WITH HSDS™

Featuring the Vaddio™ Quick-Connect™ SR

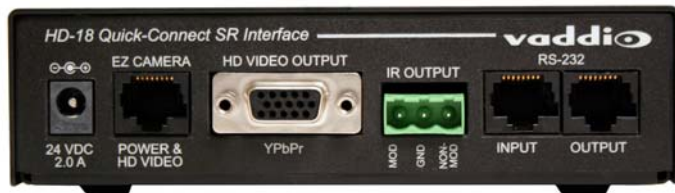


Figure 1: Quick-Connect SR (top left) 1-RU 1/3 rack mountable interface; ClearVIEW HD-18 camera (above) with integrated Power/Video CAT-5 connector and Wall Mount, which comprises the WallVIEW HD-18 system.

The Vaddio WallVIEW HD-18 makes use of the unique EZCamera™ port, Power/Video CAT-5 connector that is integrated into the ClearVIEW™ HD-18 PTZ camera. Utilizing a single CAT-5 cable, the Quick-Connect SR can power the camera, and deliver HD video up to 100 feet. A second CAT-5 cable is utilized in many applications for VISCA control and IR signaling. This simplifies installation and integration by avoiding the time and cost of installing an AC outlet near the camera, and terminating special connectors and wiring. The Quick-Connect SR uses high speed differential signaling (HSDS), an active video transmission system, to deliver high quality HD video.

The 7-element, 18x optical Wide Dynamic Zoom lens allows the camera to be installed in a variety of applications, whether it be a conference room, or an auditorium. Because the camera module is built around a CCD image sensor, the HD-18 is excellent in low-light situations, with a 1.8 lux rating.

The WallVIEW HD-18 is superb for a wide range of high definition shooting applications, such as houses of worship, corporate boardrooms, live event production and distance-learning applications.

WHAT'S INCLUDED

- Vaddio ClearVIEW HD-18 HD PTZ Camera (1/3" CCD with 18x zoom lens)
- Quick-Connect SR 1-RU Interface
- IR Remote
- 24V PowerRite™ Power Supply
- Thin Profile Wall Mount HD-18
- RJ-45 to DB-9 Adapter (RS-232)
- Mounting Hardware
- Documentation

Quick-Connect SR

The 1/3 1-RU Quick-Connect SR – installed at the equipment headend – has an HD analog component video output (Y, Pb, Pr) for 1080p, 1080i or 720p resolution signals.

IR Forwarding

IR – either modulated or non-modulated – can be sent to an external device through the Quick-Connect SR. The IR output allows users to send IR signaling to third-party equipment, such as videoconference codecs.

Wide Dynamic Zoom

A multi-element 18x optical wide dynamic zoom lens provides great zoom range (3.2° in telephoto), along with a wide view (55.2°) when zoomed out.

TECHNICAL FEATURES

EZ-Port

Vaddio's unique EZ-Port Power/Video RJ-45 connector integrated into the back of the camera, sends power out to the camera up to 100 feet, and returns component HD video back to the Quick-Connect SR.

TECHNICAL FEATURES (CONTINUED)

Easy Integration

From the RJ-45 connector for RS-232, to the use of VISCA protocol, the camera is easily integrated for use with videoconference codecs, control systems such as AMX® and Crestron®, and the camera is compatible with Vaddio's ProductionVIEW HD, ControlVIEW XHD and Precision Camera Controller.

Precision Motors

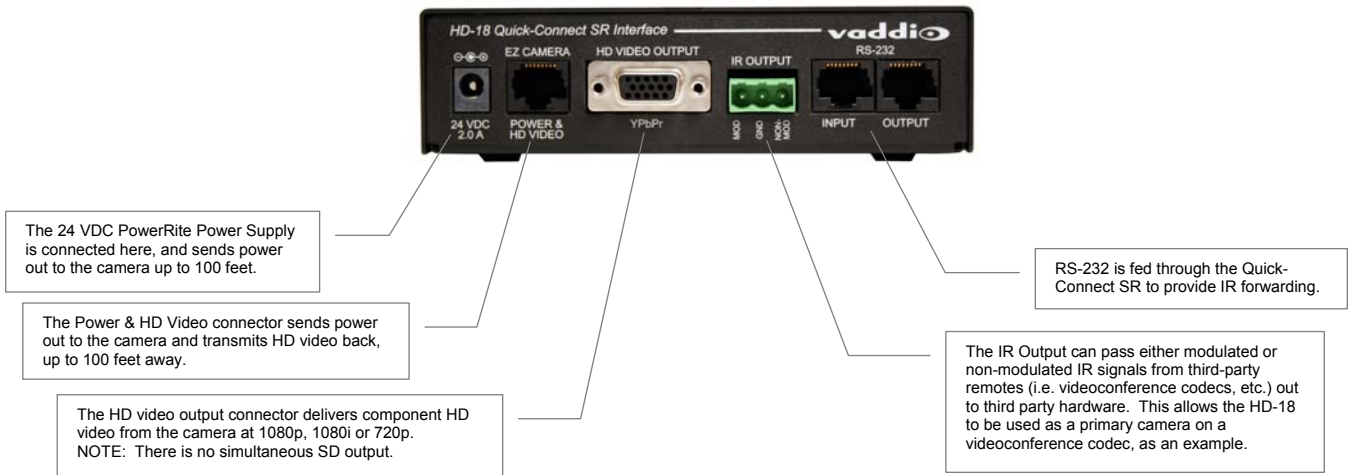
High-torque, micro stepper motors provide smooth and precise panning and tilting of the camera. Recalled preset camera positions are accurate across the entire range of pan, tilt and zoom.

Part Numbers

999-6905-000 WallVIEW HD-18 (North America)
 999-6905-001 WallVIEW HD-18 (International)

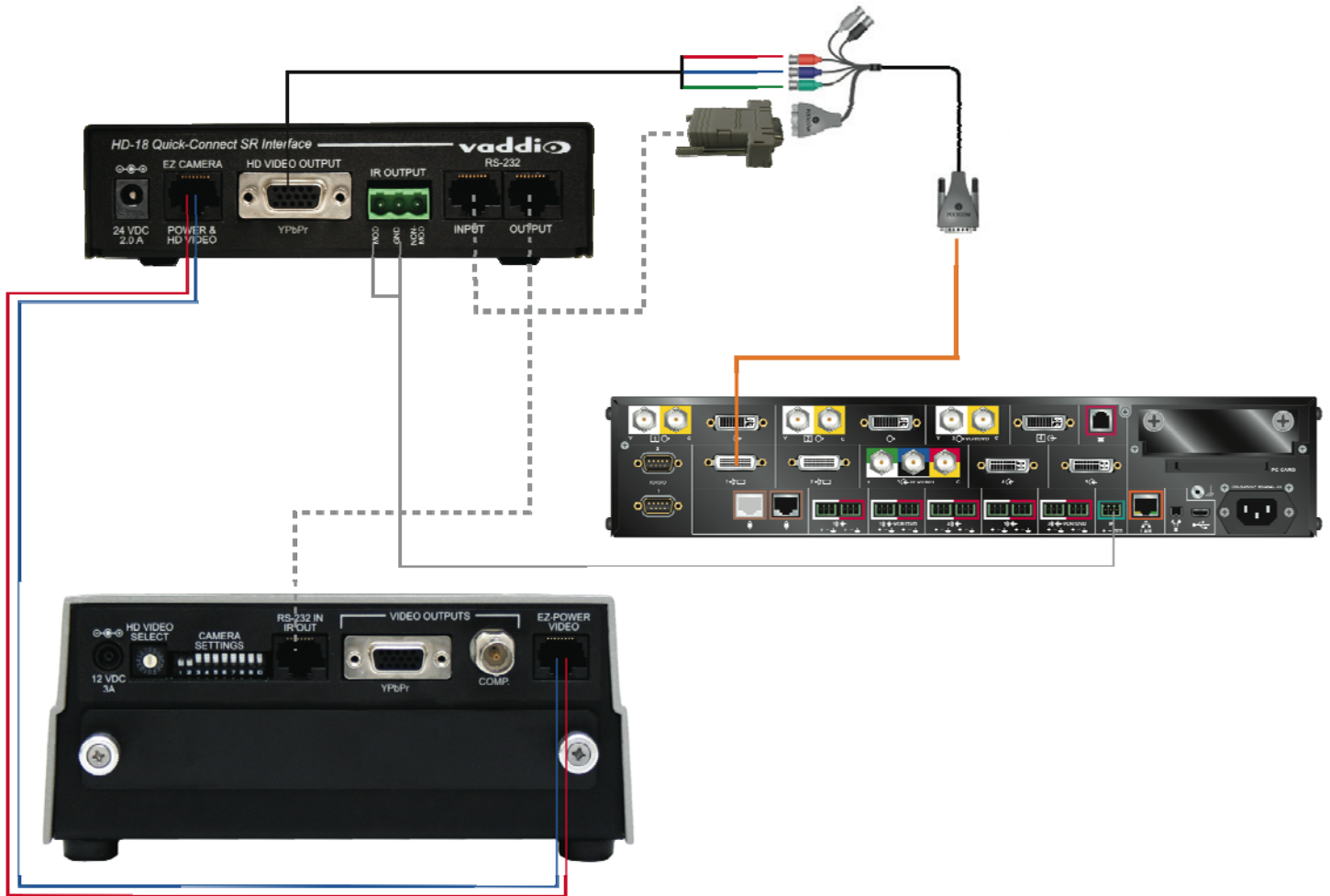
TECHNICAL IMAGES

Figure 2: Quick-Connect SR rear panel diagram with functional callouts (below) and rear panel of HD-18 with functional callouts (bottom).



SYSTEM CONNECTIVITY

Figure 3:
Basic system connectivity of a WallVIEW HD-18 System and a videoconference codec



NOTE: For additional diagrams and configurations, see the Tech Notes under the ClearVIEW HD-18, WallVIEW HD-18 and WallVIEW CCU HD-18 at vaddio.com

TECHNICAL SPECIFICATIONS

WallVIEW HD-18	
Part Numbers	WallVIEW HD-18 999-6905-000 (NTSC) WallVIEW HD-18 999-6905-001 (PAL)
• Vaddio ClearVIEW HD-18	
Image Device	1/3" CCD
Picture Elements	1.3 Megapixels
Signal System	HD: 1080p, 1080i or 720p @ 59.94; 1080p @ 60; 1080p, 1080i or 720p @ 50 SD: Composite NTSC or PAL (simultaneous with HD) NOTE: SD output not on Quick-Connect SR
Lens	18x Optical Zoom
Focal Length	f=4.7 to 84.6mm
Horizontal Viewing Angle	3.2 to 55.2 degrees (16:9)
Frame Delay	1 frame
Video S/N Ratio	>50 dB
Invertible	Yes
Minimum Illumination	1.8 lux
Control Protocol	VISCA
Serial Communication	RS-232 (9600 or 38,400)
Pan Range	+170 degrees to -170 degrees
Tilt Range	+90 degrees to -30 degrees
Pan/Tilt Speed	0.25° to 60° degrees/second
Preset Positions	16 (internal), 6 recalled via IR Remote
Weight	5.8 lbs. (2.63 kg.)
• Quick-Connect Short Range Interface (SR)	
Connectors	Power Connector: 5.5mm OD, 2.5mm ID coaxial connector Power/Video RJ-45: Supplies power to, and component HD from the camera, up to 100 feet Video Output: DB-15 connector for HD Analog Component (Y,PB,PR) video only – no SD video IR Output: Transmits modulated or non-modulated IR signals received from the HD-18 IR receiver Control In RJ-45: Accepts RS-232 from ProductionVIEW or other non-daisy-chain control systems Control Out RJ-45: Sends RS-232 from Quick-Connect SR to the camera
Cat. 5 Cable Distance	Up to 100' (30.5m)
Power Supply	24 VDC, 2 Amp
Dimensions	1-RU Rack Mount - 1.75" H x 5.5" W x 6" D (4.45 cm x 14 cm x 15.2 cm)
• Thin Profile Wall Mount HD-18	
Materials	12-Gauge CRS with Black Powder Coat Paint
Dimensions	5.125" H x 6.75" W x 10" D (13 cm x 17.15 cm x 25.4 cm)
Weight	Approx. 2.4 lbs. (1.1kg)

WALLVIEW HD-18 OPTIONAL ACCESSORIES

The WallVIEW HD-18 PTZ offers the following accessories for a complete, professional installation.



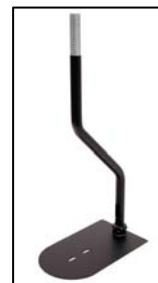
TANDBERG RS-232 Adapter
999-1002-232
Polycom RS-232 Adapter
999-1003-232
Polycom HDX 8000 Series Adapter
999-1006-232



Blank Panel for Quick-Connect SR
998-6000-002



15-pin to Male BNC output cable
440-5600-001 (3 ft.)
440-5600-002 (6 ft.)
440-5600-003 (7 inch.)



Drop Down Ceiling Mount
999-2225-296