

WALLVIEW™ PRO H700 WITH HSDS

Vaddio™ EZCamera™ Interface Module and Quick-Connect™ PRO

The Vaddio WallVIEW PRO H700 is built around the Sony® BRC-H700 high definition pan/tilt/zoom camera. With three-1/3-inch type CCDs and an effective pixel count of 1,070,000 per CCD and a 12X optical zoom, the WallVIEW PRO H700 is an ideal choice for a wide range of high definition 1080i video applications. The WallVIEW PRO H700's active electronics deliver high definition or standard definition video up to 500' (152.4m) over standard Cat. 5 cable. The WallVIEW PRO H700 system includes the EZCamera Interface Module (EZIM) and Quick-Connect PRO (QCP) interface.

The WallVIEW PRO H700 uses high speed differential signaling for the video signals as opposed to baluns which gives this system high definition video quality over longer Cat. 5 cabling distances and the ability to adjust the signal depending on the length of the cabling used.

The WallVIEW PRO has many new features including a four position distance adjustment for Cat. 5 cabling, Y-Gain adjustment for cable length compensation, IR forwarding, 1-RU rack mount QCP interface and the small EZIM, which can be paired with several different HD or SD cameras available today.

Overall, the WallVIEW PRO H700 is superb for a wide range of high definition shooting applications. It is also highly suitable for applications in which images are displayed on large-screen displays, such as in houses of worship, in auditoriums of teaching hospitals, in corporate boardrooms, at sporting events, tradeshows or concerts and for distance-learning applications in which clear, high definition images are required.



Figure 1: WallVIEW PRO H700 System with Camera, EZIM and Wall Mount

WHAT'S INCLUDED

- Sony BRC-H700 High Definition PTZ Camera (3CCD, 1/3-inch type, 1,070,000 effective pixels per CCD)
- Vaddio EZCamera Interface Module (EZIM)
- Vaddio EZIM HD Break-out Cable
- Vaddio Quick-Connect PRO (QCP) (1-RU Rack Mount Interface)
- EZCamera Control Adapter (RJ-45 to DB-9)
- Sony IR Remote
- 36V PowerRite™ Power Supply
- Vaddio Thin Profile Wall Mount 700
- Mounting Hardware
- Documentation

TECHNICAL FEATURES

Distances up to 500' (152.4m) over Cat. 5 Cable

The WallVIEW PRO H700 uses high speed differential signaling (HSDS), which allows higher definition video signals to be conveyed over longer Cat. 5 cabling distances.

EZCamera Interface Module (EZIM)

The EZCamera Interface Module is a small camera interface module that mounts to the back of the wall mount and is a interface for several HD or SD PTZ cameras available today. The EZIM uses a multi-pin connector and cable assemblies for maximum flexibility.

Quick-Connect PRO (QCP)

The 1-RU QCP has (high definition) analog component video outputs (Y, Pb, Pr) for 1080i resolution video on BNC connectors.

IR Forwarding Feature

The IR Forwarding feature allows IR signals from Polycom and TANDBERG remotes to be sent through the EZIM/QCP to the codec's IR interface or IR window allowing maximum design flexibility.

TECHNICAL FEATURES (CONTINUED)

Distance Adjustments

Because WallVIEW PRO H700 uses active electronics, there are four cable length adjustments (<100', 200', 300' 400'+), which equalize the length of the Cat. 5 twisted pairs and vastly improves the SD and HD video performance.

Luminance Gain Adjustment

A luminance gain control (Y-Gain) is also provided which allows for enhanced control and fine tuning of the video signals when longer Cat. 5 cabling runs are required.

Superior Power Regulation

The WallVIEW PRO H700 uses the PowerRite 36V power supply, which is the key to providing the electrical current that the larger PTZ camera motors, like the BRC-H700 or EVI-HD1, require to operate properly.

Thin Profile Wall Mount Included

With each system, a Thin Profile Wall Mount Bracket is provided. The Wall Mount can be attached to the wall with anchors or can be mounted directly to a standard 3-gang wall box. There are pre-drilled and tapped mounting holes for the EZCamera Interface Module on the back of the Wall Mount to make installation easy.

Complete System

The WallVIEW PRO H700 comes complete and includes everything the installer needs to accomplish a professional installation. Three Cat. 5 cable runs for Power, Video and Control are required to complete the installation. A fourth Cat. 5 is only needed for daisy-chain control configurations.

TECHNICAL IMAGES

Figure 2: Quick-Connect PRO (QCP) interface front panel and rear panel images with functional callouts.

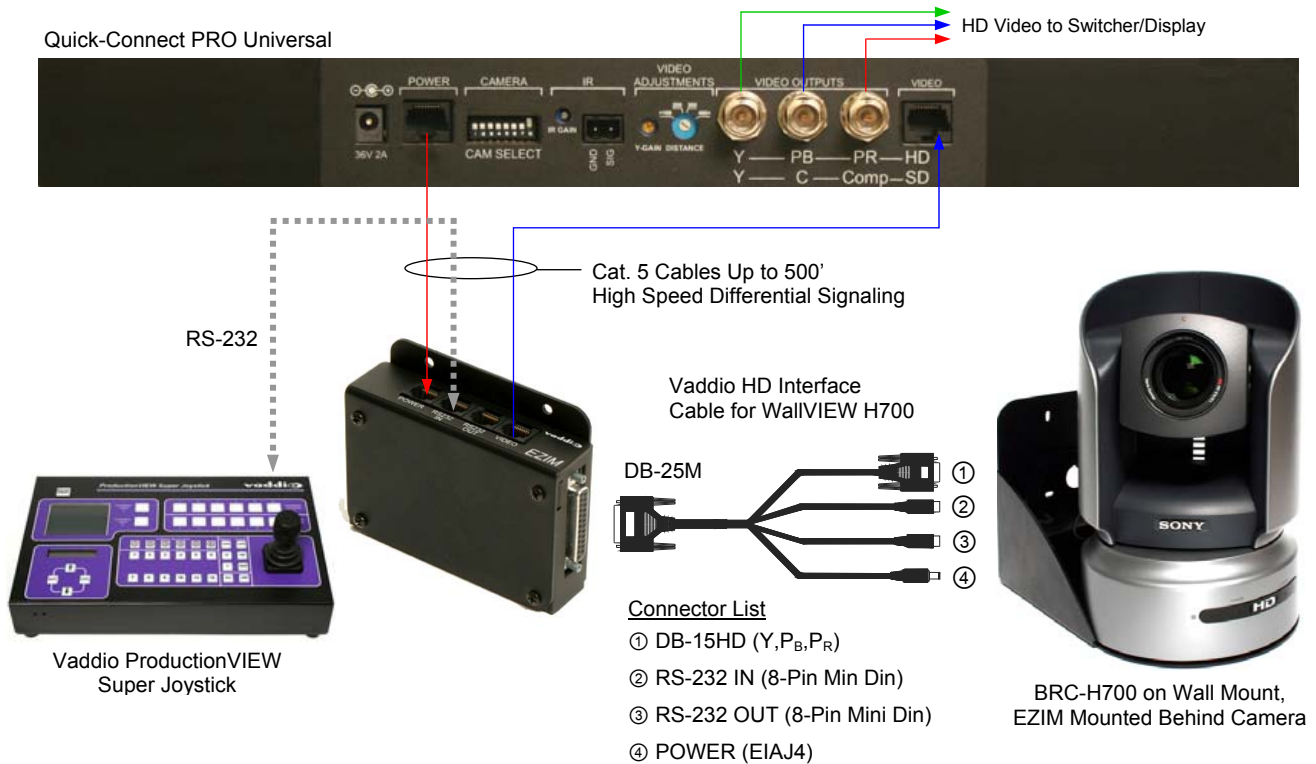


Figure 3: EZCamera Interface Module (EZIM) with four (4) RJ-45 connectors for POWER, RS-232 IN & OUT and VIDEO (HD or SD with IR), Top View (left) and Isometric View (right)



SYSTEM CONNECTIVITY

Figure 4:
Basic system connectivity of a WallVIEW PRO HD-Z700 System and ProductionVIEW™ Super Joystick Controller



TECHNICAL SPECIFICATIONS

WallVIEW PRO H700	
Part Numbers	WallVIEW PRO H700 999-6704-000 (North America) WallVIEW PRO H700 999-6704-001 (International)
• Quick-Connect PRO Interface (QCP)	
Connectors	Power Connector: 5.5mm OD x 2.5mm ID Power RJ-45: Supplies 36V to EZCamera Interface Module Regulator IR: 2-Pin Phoenix type spring cage connector Video Outputs: BNC Connectors for HD Analog Component (Y, PB, PR) or SD Video RJ-45: Transports HD or SD video from camera depending on camera selection switch position
Camera Select Switch	8-Position DIP switch loads camera profiles for BRC-H700, BRC-300, EVI-HD & EagleEye IR Modes: IR Forwarding for use with Polycom HDX Codec and Modulated for use with TANDBERG codec with attached IR probe to front panel IR Receiver
Video Adjustments	Y-Gain (luminance gain) for fine tuning over longer cable distances Distance Compensation: 100', 200', 300', 400'+
Cat. 5 Cable Distance	Up to 500' (152.4m) for Video, Power, Control and IR
Power Supply	36 VDC, 2.78 Amp
Dimensions	1-RU Rack Mount - 1.75" H x 19" W x 6" D (4.45 cm x 4.26 cm x 15.24 cm)
• EZCamera Interface Module (EZIM)	
Connectors	Four (4) RJ-45 Connectors One DB-25 for Power, Video, Control & IR
Cable Assemblies	For Sony BRC-H700: DB-25M to DB-15HD/8-Pin Mini Din x 2/EIAJ4 Power Connector
Power Regulator	Supplies 12VDC to Cameras
Dimensions	3" H x 4.5" W x 1.2" D (7.6 cm x 11.4 cm x 3 cm)
• Thin Profile Wall Mount 700	
Materials	12-Gauge CRS with Black Powder Coat Paint
Dimensions	8" H x 8.5" W x 11.5" D (20.3 cm x 21.6 cm x 29.2 cm)
Weight	5.6 lbs. (2.54 kg)