

WALLVIEW™ PRO HE100 WITH HSDS™

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

The Vaddio WallVIEW PRO HE100 is built around the Panasonic® AW-HE100 high definition pan/tilt/zoom camera. With three megapixel 1/3" CCDs and a 13X optical zoom lens, the WallVIEW PRO HE100 is an ideal choice for a wide range of high definition video applications. The WallVIEW PRO HE100's active electronics deliver high definition or standard definition video up to 500' (152.4m) over standard Cat. 5 cable. The WallVIEW PRO HE100 system includes the EZCamera Interface Module (EZIM) and Quick-Connect PRO (QCP) interface. Vaddio's HE100 WallVIEW system utilizes a 12 VDC version of the HE100, not the standard AC powered version of the camera sold by Panasonic.

The WallVIEW PRO HE100 uses high speed differential signaling (HSDS) for the video signals 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, 1-RU rack mount Quick-Connect PRO (QCP) interface and the small EZCamera Interface Module (EZIM) which can be paired with several different HD or SD cameras available today.

Overall, the WallVIEW PRO HE100 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 HE100 System with Camera, EZIM and Wall Mount

WHAT'S INCLUDED

- Panasonic AW-HE100 High Definition PTZ Camera (3 – 1/3" CCDs)
- Vaddio EZCamera Interface Module (EZIM)
- Vaddio EZIM HE 100 HD Break-out Cable
- Vaddio Quick-Connect PRO (QCP) (1-RU Rack Mount Interface)
- Panasonic IR Remote
- 36V PowerRite™ Power Supply
- EZCamera Protocol Adapter (RS-232 to RS-422)
- Vaddio Thin Profile Wall Mount HE100
- Mounting Hardware
- Documentation

TECHNICAL FEATURES

Distances up to 500' (152.4m) with HSDS

The WallVIEW PRO HE100 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 (Y, Pb, Pr) for 1080i or 720p output on BNC connectors.

Distance Adjustments

Because the WallVIEW PRO HE100 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.

TECHNICAL FEATURES (CONTINUED)

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 HE100 uses the PowerRite 36V power supply which is the key to providing the electrical current that the larger PTZ camera motors, like the AW-H700 or EVI-HD1, require to operate properly. The EZIM regulates the power to run the system at optimum efficiency.

Wall Mount Included

With each system, a 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 HE100 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.

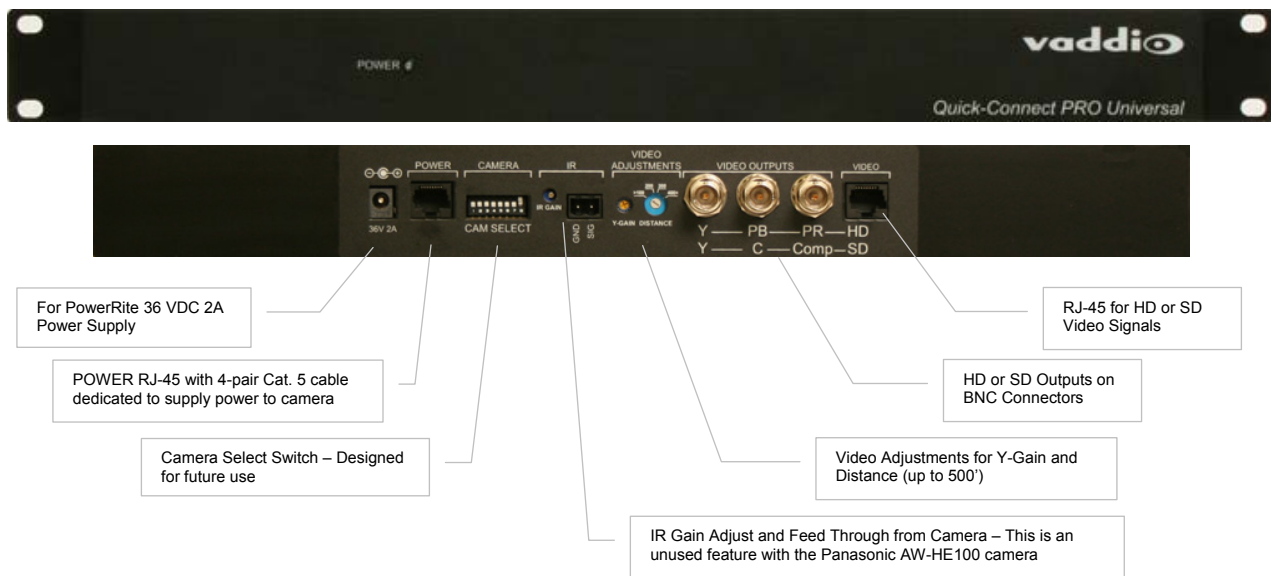
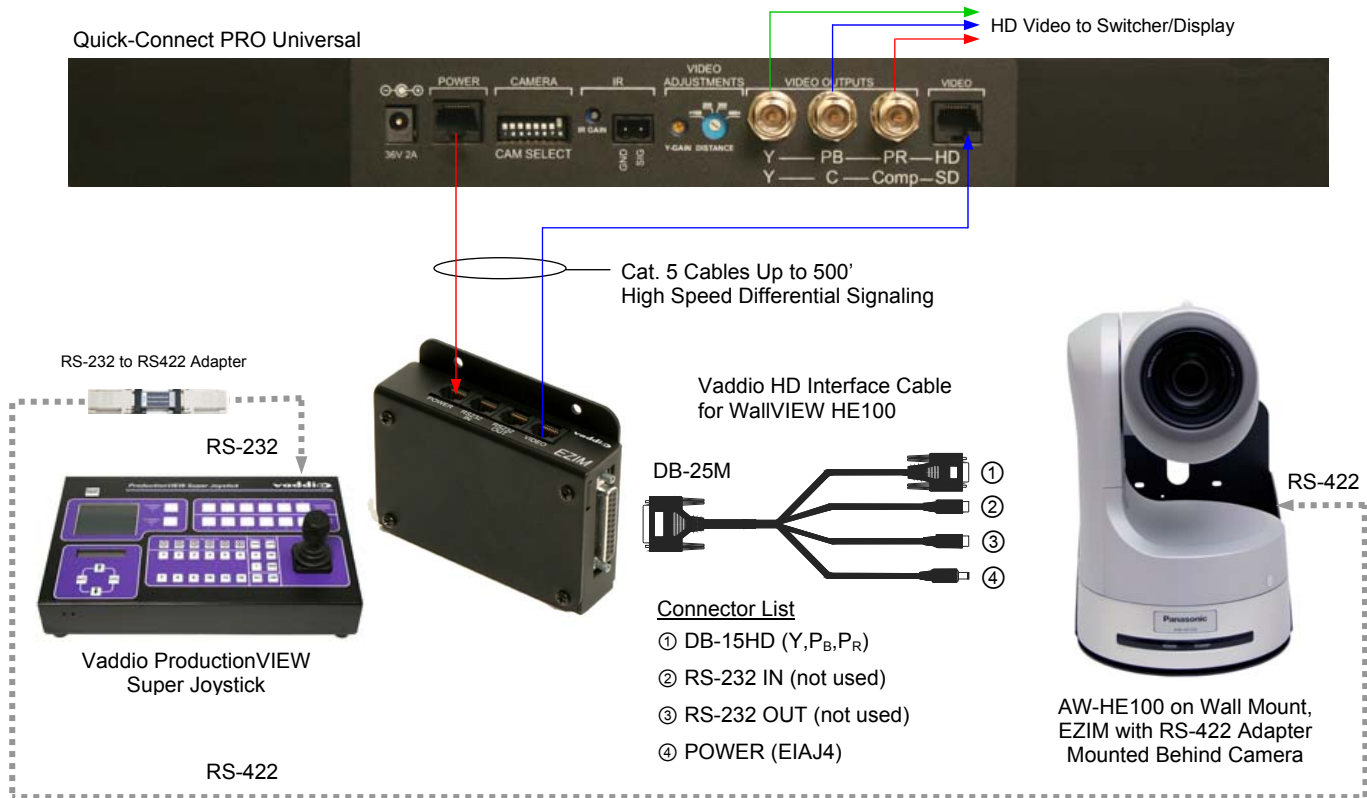


Figure 3: EZCamera Interface Module (EZIM) with four (4) RJ-45 connectors for POWER, RS-232 IN & OUT and VIDEO (HD or SD with IR), Top View (left) and Isometric View (right)



SYSTEM CONNECTIVITY

Figure 4:
Basic system connectivity of a WallVIEW PRO HE100 System and ProductionVIEW™ Super Joystick Controller



TECHNICAL SPECIFICATIONS

WallVIEW PRO HE100	
Part Numbers	WallVIEW PRO HE100 999-6105-000 (NTSC) WallVIEW PRO HE100 999-6105-001 (PAL)
• Quick-Connect PRO Interface (QCP)	
Connectors	Power Connector: EIAJ4 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	Currently unused with the Panasonic camera.
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 (RS-232 ports are unused with Panasonic camera)
Power Supply	36 VDC, 2.78 Amp
Dimensions	1-RU Rack Mount 1.75" H x 19" W x 6" D (4.4 cm x 48.3 cm x 15.2 cm)
• EZCamera Interface Module (EZIM)	
Connectors	Four (4) RJ-45 Connectors One DB-25 for Power, Video, Control & IR
Cable Assemblies	For Panasonic AW-HE100: DB-25M to DB-15HD/RJ-45/EIAJ4 Power Connector
Power Regulator	Supplies 12VDC to Cameras
Dimensions	Approx. 3" H x 4.5" W x 1.2" D (7.6 cm x 11.4 cm x 3 cm)
• Wall Mount HE100	
Materials	12-Gauge CRS with Black Powder Coat Paint
Dimensions	8" H x 8.75" W x 13.5" D (20.3 cm x 22.2 cm x 34.3 cm)
Weight	Approx. 6 lbs. (2.7 kg)