

# WALLVIEW™ PRO EAGLEEYE® 1080 HD WITH HSDS™

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

### Overview:

The Vaddio WallVIEW PRO EagleEye 1080 HD is designed for use with the Polycom® EagleEye 1080 HD high definition pan/tilt/zoom camera. The WallVIEW PRO's active electronics deliver high definition video up to 500' (152.4m) over standard CAT-5 cable from the EagleEye 1080 HD PTZ camera (not included). The WallVIEW PRO EagleEye 1080 HD system includes the EZCamera Interface Module (EZIM) and Quick-Connect PRO (QCP) interface, along with the Vaddio Thin Profile EagleEye 1080 HD Wall Mount and EZIM HD Break-out cable.

The WallVIEW PRO EagleEye 1080 HD 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 EagleEye 1080 HD 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 is intended to be paired with the Polycom EagleEye 1080 HD PTZ camera provided with the Polycom HDX codecs. Like all Vaddio WallVIEW systems, it comes with the Thin Profile Wall Mount and mounting hardware.



**Figure 1:** WallVIEW PRO EagleEye 1080 HD System with EagleEye 1080 HD camera (not included), EZIM and Wall Mount

## WHAT'S INCLUDED

- Vaddio EZCamera Interface Module (EZIM)
- Vaddio EZIM EagleEye Break-out Cable
- Vaddio Quick-Connect PRO (QCP) Universal (1-RU Rack Mount Interface)
- 36V PowerRite™ Power Supply
- DB-9 to RJ-45 Adapter
- Vaddio Thin Profile EagleEye 1080 HD Wall Mount
- Mounting Hardware
- Documentation

### Quick-Connect PRO (QCP)

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

### IR Forwarding Feature

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

### Distance Adjustments

Because WallVIEW PRO EagleEye 1080 HD 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 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.

## TECHNICAL FEATURES

### Distances up to 500' (152.4m) with HSDS

The WallVIEW PRO EagleEye 1080 HD system uses high speed differential signaling (HSDS), which allows high 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 behind the camera and is a universal interface for several PTZ cameras available today. The EZIM uses a multi-pin connector and cable assemblies for maximum flexibility.

## TECHNICAL FEATURES (CONTINUED)

### Superior Power Regulation

The WallVIEW PRO EagleEye 1080 HD uses the PowerRite 36V power supply, which is key to providing the electrical current that the larger PTZ camera motors require to operate properly. The EZIM regulates the power to run the system at optimum efficiency.

### 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 mounted

directly to a standard 2-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 EagleEye 1080 HD 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.

## TECHNICAL IMAGES

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

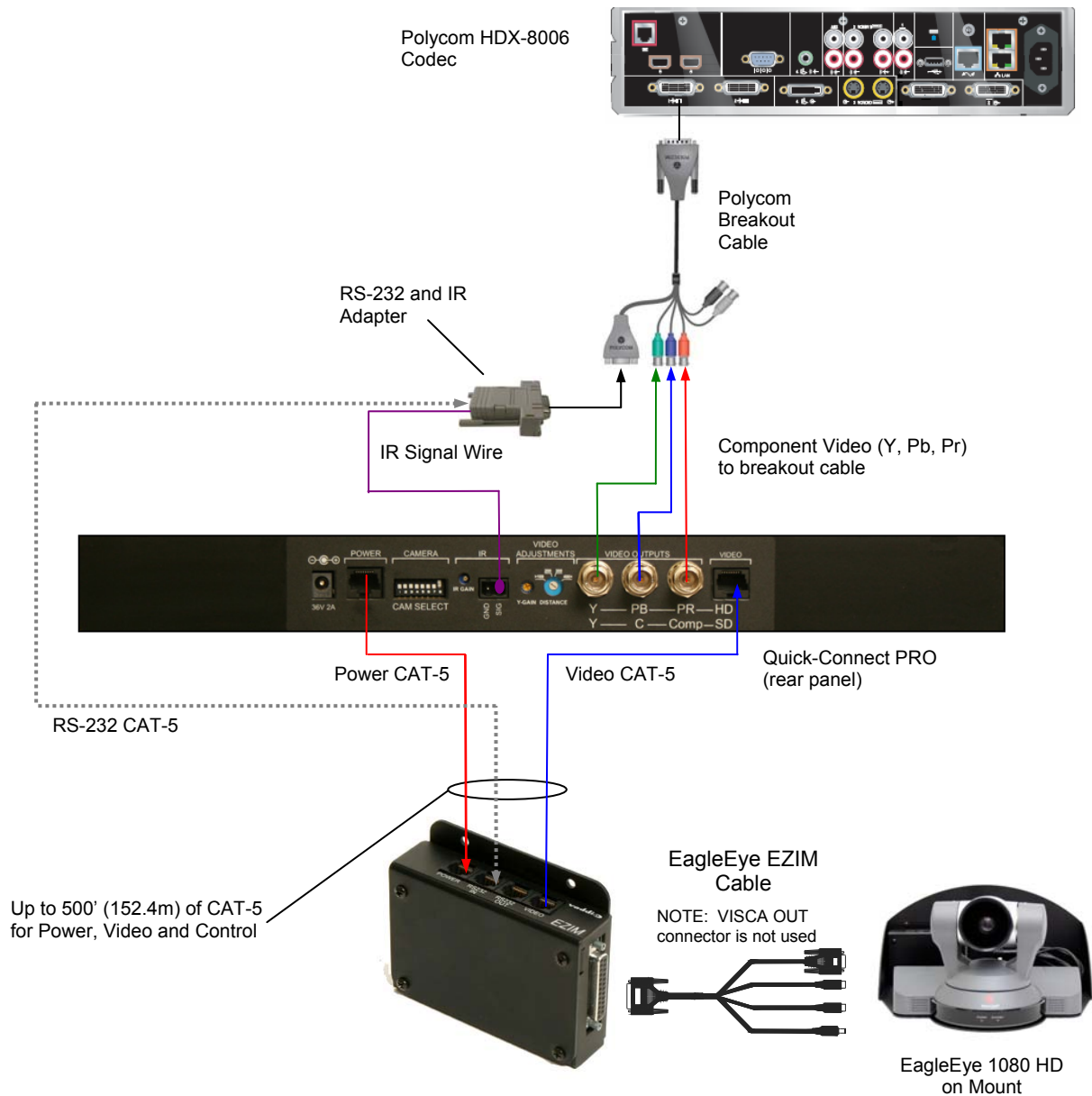


Figure 3: EZCamera Interface Module (EZIM) with four (4) RJ-45 connectors for POWER, RS-232 IN & OUT and VIDEO (HD with IR), Top View (left) and Isometric View (right)



# SYSTEM CONNECTIVITY

## Wiring Diagram Example for HDX 8006® Codec:



**Figure 4: Basic connectivity of the WallVIEW PRO EagleEye 1080 HD System with HDX 8006 series codec.**

The WallVIEW EagleEye 1080 HD connected to an HDX 8006 series codec utilizes the RJ-45 to DB-9 adapter supplied, with the single wire on the adapter connected to the Signal "SIG" pin on the IR Port of the Quick-Connect. IR is fed out of the Quick-Connect unit, through the RJ-45 to DB-9 adapter to the HDX 8006 codec for IR forwarding from the camera. The Power, Video and Control CAT-5 cables can be run up to 500 feet (152.4 m) from the Quick-Connect box to the EZ Interface Module, which connects to the camera.

## TECHNICAL SPECIFICATIONS

<b>WallVIEW PRO EagleEye 1080 HD</b>	
<b>Part Numbers</b>	WallVIEW PRO EagleEye 1080 HD 999-9510-000 (North America) WallVIEW PRO EagleEye 1080 HD 999-9510-001 (International)
• <b>Quick-Connect PRO Universal Interface (QCP)</b>	
<b>Connectors</b>	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) Video RJ-45: Transports HD video from camera
<b>Camera Select Switch</b>	IR Modes: IR Forwarding for use with Polycom HDX Codec
<b>Video Adjustments</b>	Y-Gain (luminance gain) for fine tuning over longer cable distances Distance Compensation: 100', 200', 300', 400'+
<b>CAT-5 Cable Distance</b>	Up to 500' (152.4m)
<b>Power Supply</b>	36 VDC, 2 Amp
<b>Dimensions</b>	1-RU Rack Mount - 1.75" H x 19" W x 6" D (4.45 cm x 4.26 cm x 15.24 cm)
• <b>EZCamera Interface Module (EZIM)</b>	
<b>Connectors</b>	Four (4) RJ-45 Connectors One DB-25 for Power, Video, Control & IR
<b>Cable Assembly</b>	For Polycom EagleEye 1080 HD Camera: DB-25M to DB-15HD/8-Pin Mini Din x 2/EIAJ4 Power Connector * NOTE: The VISCA Out 8-Pin Mini Din is not used with the EagleEye 1080 HD
<b>Power Regulator</b>	Supplies 12VDC to Cameras
<b>Dimensions</b>	3" H x 4.5" W x 1.2" D (7.6 cm x 11.4 cm x 3 cm)
• <b>Thin Profile Wall Mount EagleEye 1080 HD</b>	
<b>Materials</b>	12-Gauge CRS with Black Powder Coat Paint
<b>Dimensions</b>	5.825" H x 11.75" W x 11" D (14.8 cm x 29.8 cm x 28 cm)
<b>Weight</b>	4.6 lbs (2.1 kg)