

WALLVIEW™ CCU 300 WITH HSDS™

Featuring the Vaddio™ Quick-Connect™ CCU



The Vaddio WallVIEW CCU 300 is built around the Sony® BRC-300 standard definition pan/tilt/zoom camera. With three 1/4.7 CCDs, the BRC-300 is an ideal choice for a wide range of video applications. WallVIEW CCU 300 allows the user to adjust color; gain and iris functions on the camera (see Figure 1). These controls allow the camera to deliver a more accurate representation of the image that is being captured. The other added advantages include the ability to color match multiple cameras and make necessary changes to iris and gain quickly and easily. Settings may be stored by using two Scene buttons for various lighting conditions.



Figure 1: (top) Quick-Connect CCU 1 RU rack mount interface; (bottom) WallVIEW CCU 300 System with Camera, EZIM and Wall Mount

The WallVIEW CCU uses HSDS™ differential signaling, an active video transmission system, to deliver high quality video over standard Cat. 5 cabling. Adjustments allow the video to be extended up to 500 feet from the Quick-Connect CCU with virtually no loss in video quality.

Overall, the WallVIEW CCU 300 is superb for a wide range of standard definition shooting applications. It is also highly suitable for applications where adjusting the color and brightness levels of one or multiple cameras is critical, such as houses of worship, corporate boardrooms, live event production and distance-learning applications.

WHAT'S INCLUDED

- Sony BRC-300 Std. Definition PTZ Camera
- Three 1/4.7 Type, CCDs with 12x zoom lens)
- EZCamera Interface Module CCU (EZIM)
- Vaddio EZIM SD Break-out Cable
- Vaddio Quick-Connect CCU (QCCU) 1-RU Rack Mount Interface
- Sony IR Remote
- EZCamera Control Adapter (RJ-45 to DB-9)
- 36V PowerRite™ Power Supply
- Vaddio Thin Profile Wall Mount 300
- Mounting Hardware
- Documentation

Tally

A tally port is located on the back of the 1 RU interface. When connected, the Quick-Connect CCU's tally light on the front panel illuminates when the camera is live. In addition, the camera's built-in tally light will also illuminate when the camera is in use.

Gen Lock over CAT-5

The WallVIEW CCU 300 delivers Gen Lock signal over CAT-5 cabling, which eliminates the need to run an additional coax cable to the camera.

TECHNICAL FEATURES

CCU Controls

CCU controls on the product include: Red & Blue Gain; Aperture; Auto & Manual Iris; Gain; Auto & One Push White Balance; and Scene Store A & B buttons.

EZCamera Interface Module (EZIM)

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

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 CCU 300 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 BRC-300, require to operate properly.

Complete System

The WallVIEW CCU 300 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 DRAWINGS

Figure 2: Quick-Connect CCU (QCCU) interface front panel and rear panel diagrams with functional callouts.

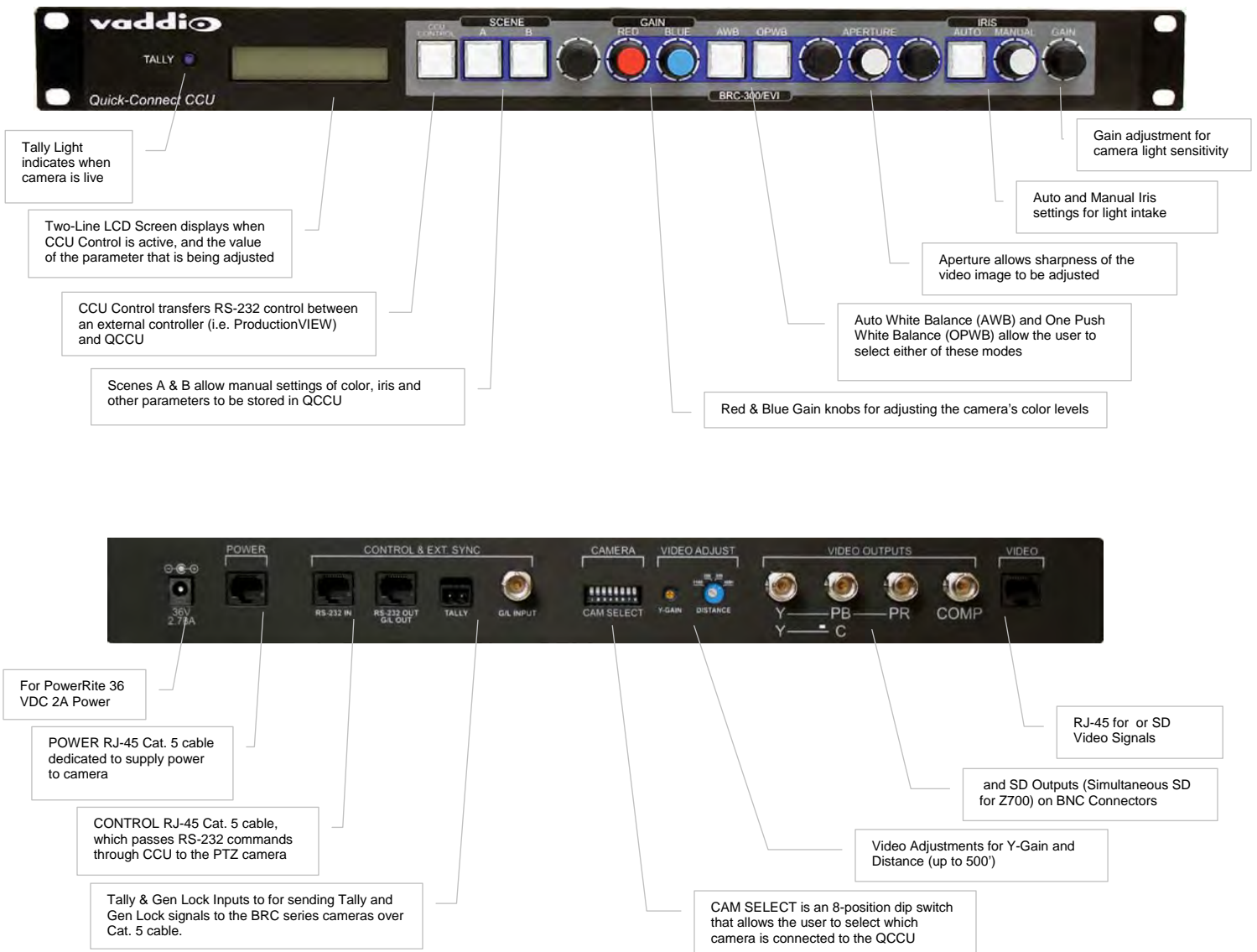
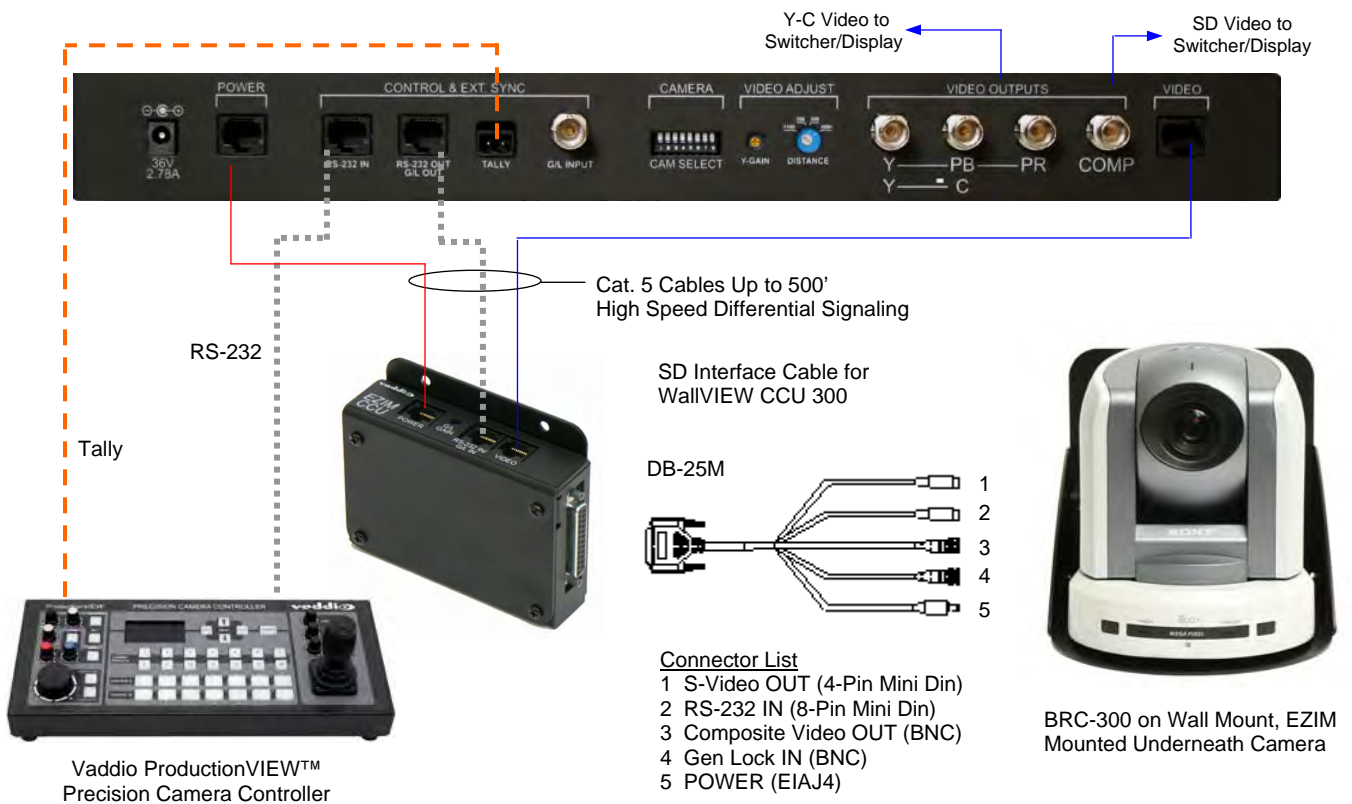


Figure 3: EZCamera Interface Module CCU (EZIM) with three (3) RJ-45 connectors for POWER, RS-232 IN / GEN LOCK and VIDEO, Top View (left) and Isometric View (right)



SYSTEM CONNECTIVITY

Figure 4: Basic system connectivity of a WallVIEW CCU 300 System and ProductionVIEW Super Joystick Controller



TECHNICAL SPECIFICATIONS

WallVIEW CCU 300	
Part Numbers	WallVIEW CCU 300 999-6207-000 (NTSC) WallVIEW CCU 300 999-6207-001 (PAL)
• Sony BRC-300	
Image Device	1/4.7 type CCD x 3
Effective Picture Elements	0.69 Megapixels
Lens	12x Optical Zoom (48x with digital zoom)
Focal Length	f=3.6 to 43.2mm
Horizontal Viewing Angle	3.3 to 37.8 degrees (4:3 mode), 4.0 to 45.4 degrees (16:9 mode)
Video S/N Ratio	50 dB
Pan/Tilt Angle	-170 to +170 degrees (Pan), -30 to +90 degrees (Tilt)
• Quick-Connect CCU Interface (QCCU)	
Connectors	Power Connector: 5.5mm OD x 2.5mm ID Power RJ-45: Supplies 36V to EZCamera Interface Module Regulator Control In RJ-45: Accepts RS-232 from ProductionVIEW or other non-daisy-chain control systems Control Out RJ-45: Passes RS-232 and Sync video feed to camera EZIM Tally: 2-Pin Phoenix type spring cage connector Video Inputs: BNC Connector for Sync Video Outputs: BNC Connectors for SD video (Y-C and Composite) Video RJ-45: Transports video from camera EZIM
Camera Select Switch	Selection switch for camera that will be operated with the CCU
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)
Power Supply	36 VDC, 2 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 CCU (EZIM)	
Connectors	Three (3) RJ-45 Connectors One DB-25 for Power, Video, Control & Gen Lock (n/a for 300 camera)
Cable Assembly	For Sony 300 Camera: DB-25M to BNC x2/8-Pin Mini Din/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 300	
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. (2.5kg)