

WALLVIEW™ CCU Z700 WITH HSDS™

Featuring the Vaddio™ Quick-Connect™ CCU



The Vaddio WallVIEW CCU Z700 is built around the Sony® BRC-Z700 high definition pan/tilt/zoom camera. With three CMOS mega-pixel sensors and a 20x optical zoom lens, the WallVIEW CCU Z700 is an ideal choice for a wide range of high definition video applications. WallVIEW CCU Z700 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 eliminate the need to use automatic exposure and color settings. User-defined adjustments may be stored using two Scene buttons.



The WallVIEW CCU Z700 uses high speed differential signaling (HSDS), an active video transmission system, to deliver high quality HD and SD 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.

Figure 1: (top) Quick-Connect CCU 1 RU rack mount interface; (bottom) WallVIEW Universal PRO Z700 System with Camera, EZIM and Wall Mount

Overall, the WallVIEW CCU Z700 is superb for a wide range of high 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-Z700 High Definition PTZ Camera (three 1/4 Type, megapixel CMOS sensors with 20x zoom lens)
- EZCamera Interface Module CCU (EZIM)
- EZIM HD CCU Break-out Cable
- 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 Z700
- 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 live.

Gen Lock Over CAT-5

The WallVIEW CCU Z700 delivers Gen Lock signal over CAT-5 cabling, which eliminates the need to run an additional coax cable to the camera.

Simultaneous SD Output

Quick-Connect CCU allows both the HD component and SD composite signals from the Z700 to be transmitted from the camera at the same time.

TECHNICAL FEATURES

CCU Controls

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

TECHNICAL FEATURES (CONTINUED)

EZCamera Interface Module (EZIM) CCU

The EZIM CCU is a small camera interface module that is installed in the wall mount. The EZIM uses a multi-pin connector and cable assembly for maximum flexibility. A Gen Lock gain adjustment allows the user to adjust the level of black burst delivered to the camera.

The 1-RU interface has (high definition) analog component video outputs (Y, Pb, Pr) for 1080i resolution or S-Video* and Composite Video outputs on BNC connectors.

*S-video only available using optional SD-only Breakout cable, Part # 440-6207-000

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.

Quick-Connect CCU

TECHNICAL DRAWINGS

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

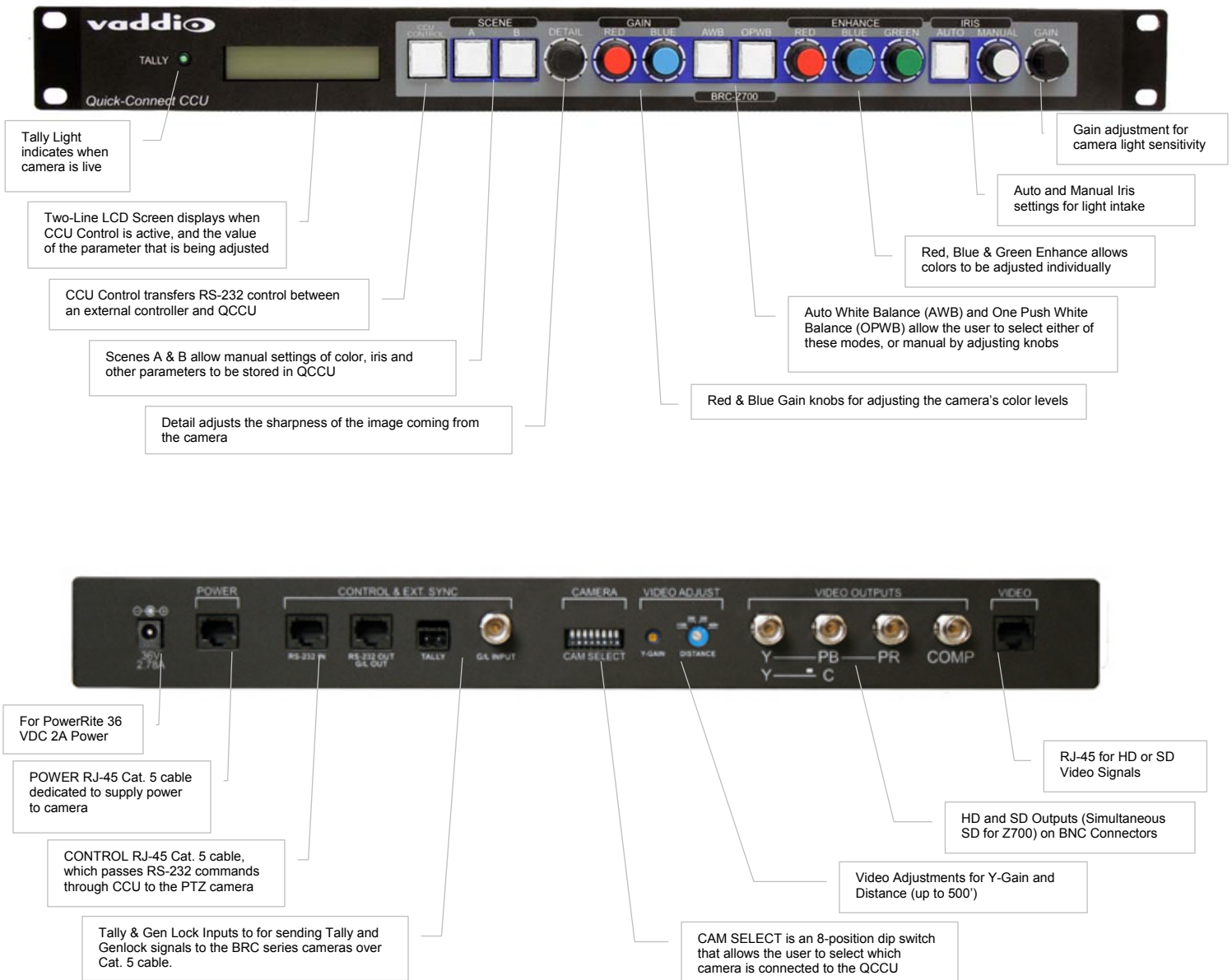
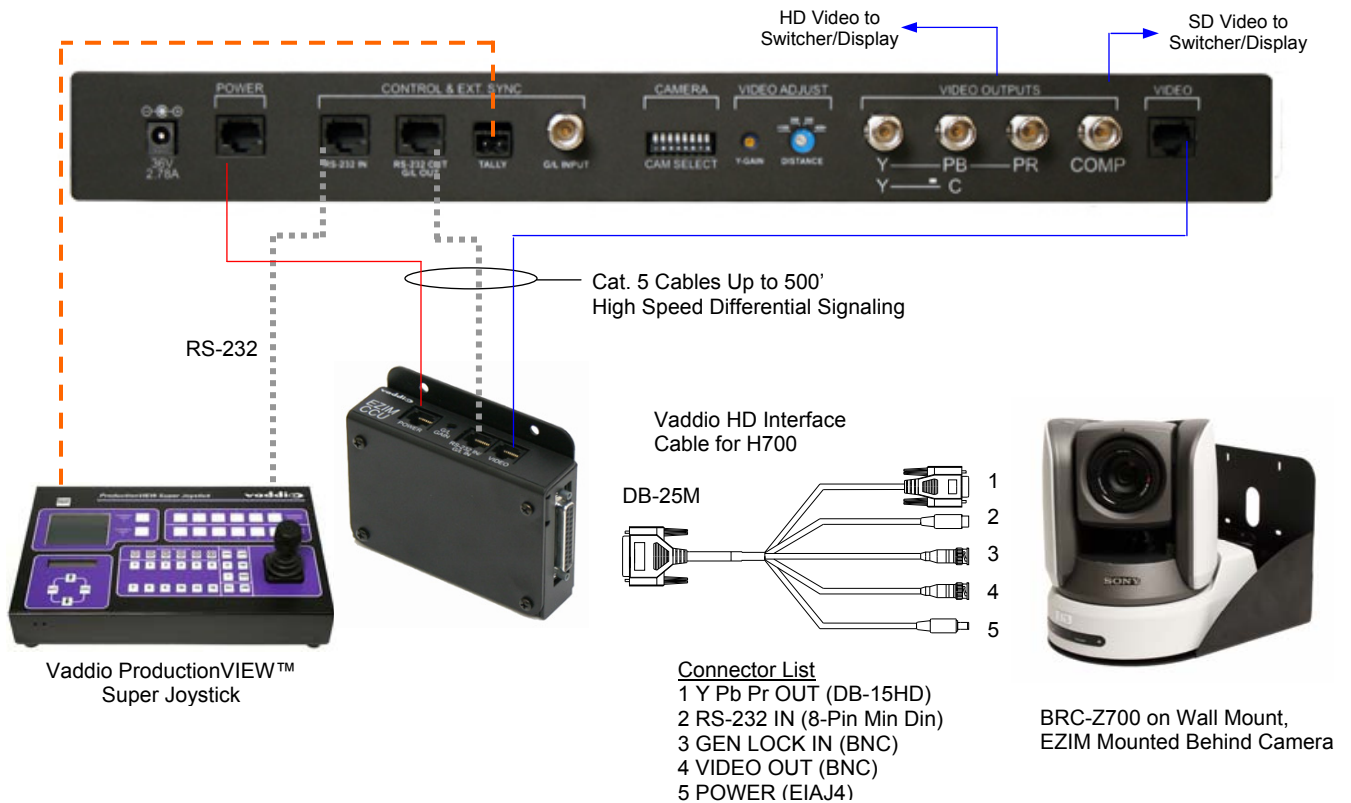


Figure 3: EZCamera Interface Module CCU (EZIM) with three (3) RJ-45 connectors for POWER, RS-232 IN / GEN LOCK and VIDEO (HD or SD), Top View (left) and Isometric View (right)



SYSTEM CONNECTIVITY

Figure 4: Basic system connectivity of a WallVIEW CCU Z700 System and ProductionVIEW Super Joystick Controller



TECHNICAL SPECIFICATIONS

WallVIEW CCU Z700	
Part Numbers	WallVIEW CCU Z700 999-6807-000 (NTSC) WallVIEW CCU Z700 999-6807-001 (PAL)
• Sony BRC-Z700	
Image Device	1/4-type CMOS x 3
Total Picture Elements	1.12 Megapixels
Signal System	1080/59.94i or 1080/50i (switchable)
Lens	20x Optical Zoom (80x with digital zoom)
Focal Length	f=3.9 to 78mm
Horizontal Viewing Angle	1.8 to 55.2 degrees
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 HD Analog Component (Y,PB,PR) / SD (Y-C and Composite) Video RJ-45: Transports HD 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 HD1 camera)
Cable Assembly	For Sony Z700 Camera: DB-25M to DB-15HD/8-Pin Mini Din/BNC 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 Z700	
Materials	12-Gauge CRS with Black Powder Coat Paint
Dimensions	8" H x 8.5" W x 13.5" D (20.3 cm x 21.6 cm x 34.3 cm)
Weight	Approx. 6 lbs. (2.7kg)