

WALLVIEW™ CCU HD-18 WITH HSDS™

Featuring the Vaddio™ Quick-Connect™ CCU and EZIM CCU Card



The Vaddio WallVIEW CCU HD-18 is built around the Vaddio ClearVIEW™ HD-18 high definition pan/tilt/zoom camera. WallVIEW CCU HD-18 allows the user to adjust color, gain, pedestal, gamma and iris functions on the camera (see Figure 1). These controls allow the camera to deliver a more accurate representation of the image being captured as well as color match and shade multiple cameras. User-defined adjustments may be stored using three Scene buttons.

With a 1.3 megapixel 1/3" CCD and Vaddio's Wide Dynamic Zoom, 7-element lens (18x optical), the WallVIEW CCU HD-18 is an ideal choice for a wide range of high definition video applications. When zoomed out, the camera has a horizontal viewing angle of 55.2°, and when zoomed in, a 3.2° horizontal viewing angle, making it the ideal camera for a conference room or an auditorium.

The WallVIEW CCU HD-18 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 or additional latency.

The WallVIEW CCU HD-18 is suitable for applications where adjusting the color and brightness levels of one or multiple cameras is critical, such as houses of worship, corporate boardrooms and distance-learning applications.



Figure 1: Quick-Connect CCU (top left) 1-RU rack mount interface; EZIM CCU Card for HD-18 (top right); ClearVIEW HD-18 Camera on wall mount (above), which comprises the WallVIEW CCU HD-18.

WHAT'S INCLUDED

- Vaddio ClearVIEW HD-18 HD PTZ Camera
- EZCamera Interface Module CCU Slot Card
- Quick-Connect CCU 1-RU Interface
- IR Remote
- 36V PowerRite™ Power Supply
- RJ-45 to DB-9 Adapter
- Vaddio Thin Profile Wall Mount & Hardware
- Documentation

TECHNICAL FEATURES

CCU Controls

CCU controls on the product include: Red & Blue Gain; Detail; Pedestal, Gamma, Chroma; Auto & Manual Iris; Gain; Auto White Balance; and Scene Store A, B & C buttons.

EZIM CCU Card

The EZIM CCU is a small card that is installed in the camera. The EZIM provides power to the camera, and delivers component HD and SD video to the Quick-Connect CCU.

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 HD-18 PTZ camera, as well as the light on the front of the Quick-Connect will illuminate.

Wide Dynamic Zoom

A 7-element 18x optical wide dynamic zoom lens provides great zoom range (3.2° tele end), along with a wide view (55.2° wide end) when zoomed out.

TECHNICAL FEATURES (CONTINUED)

Simultaneous SD Output

Quick-Connect CCU allows both the HD component and SD composite signals from the HD-18 to be transmitted from the camera at the same time.

Precision Motors

High-torque, micro stepper motors provide smooth and precise panning and tilting of the camera. Recalled preset camera positions are accurate across the entire range of pan, tilt and zoom.

Easy Integration

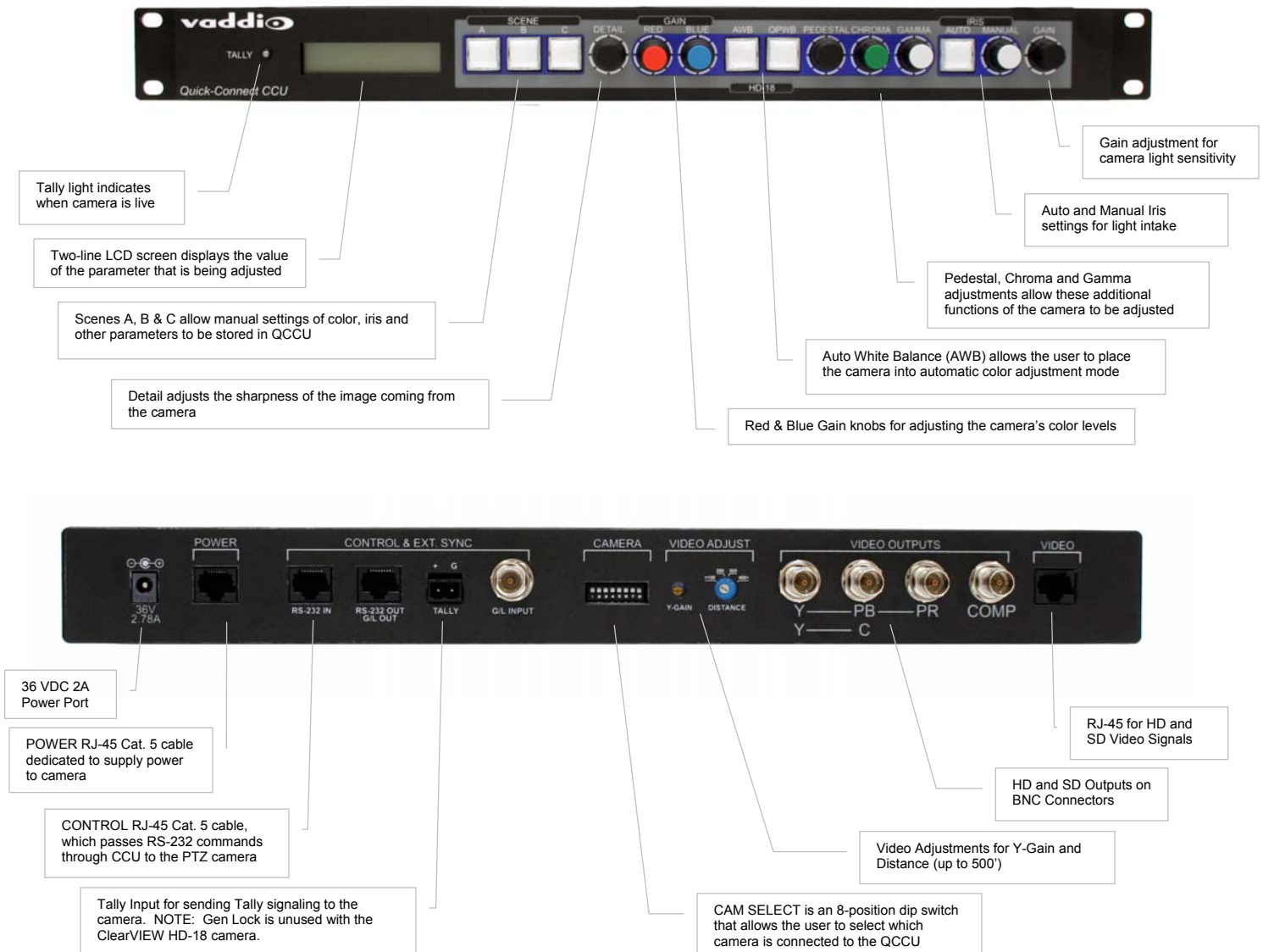
From the RJ-45 connector for RS-232, to the use of VISCA protocol, the camera is easily integrated for use with videoconference codecs, control systems such as AMX® and Crestron®, and the camera is fully compatible Vaddio's ProductionVIEW HD, ControlVIEW XHD and Precision Camera Controller.

Part Numbers

999-6907-000 WallVIEW CCU HD-18 (North America)
999-6907-001 WallVIEW CCU HD-18 (International)

TECHNICAL IMAGES

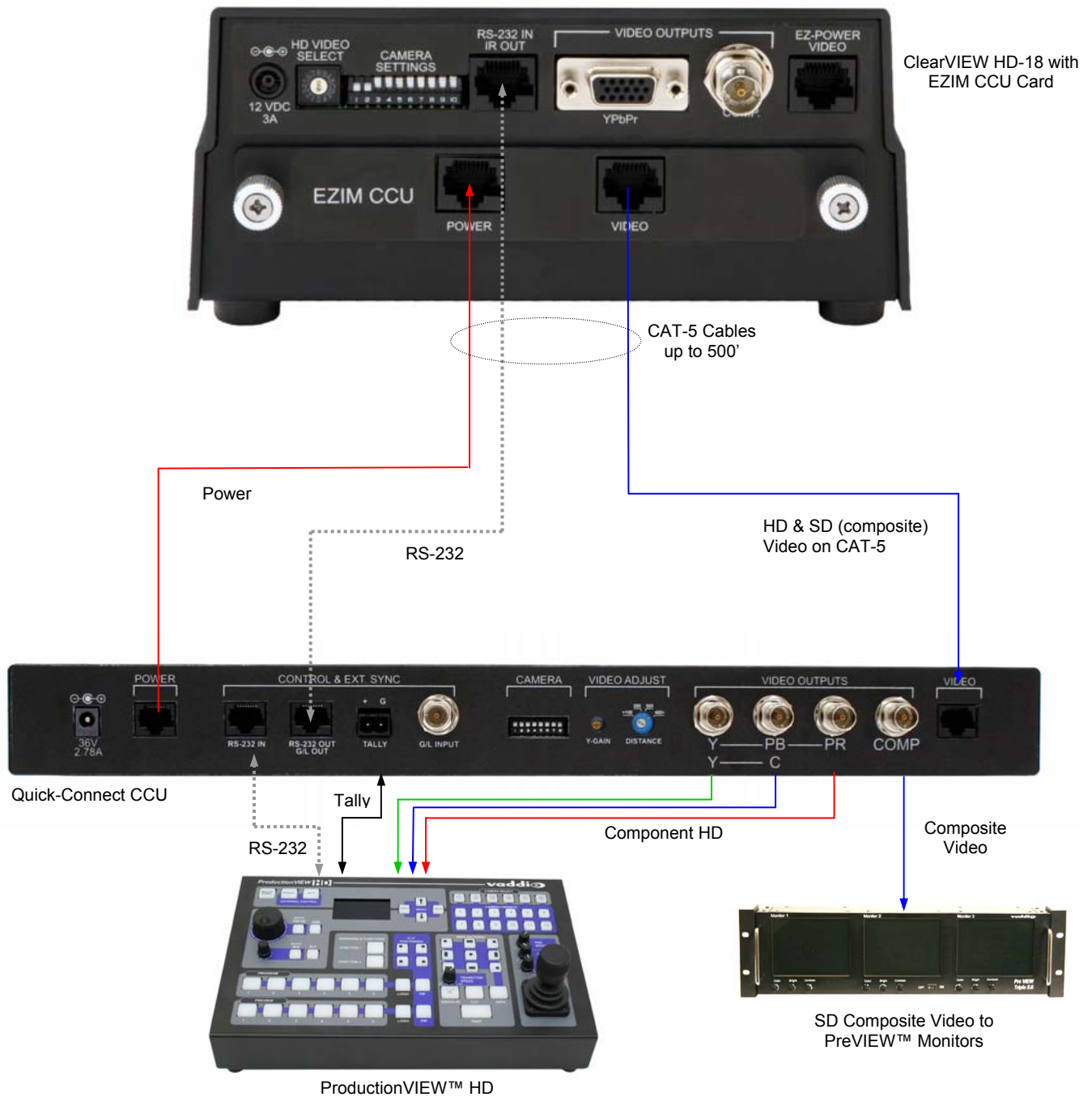
Figure 2: Quick-Connect CCU (QCCU) interface front panel and rear panel diagrams with functional callouts.



SYSTEM CONNECTIVITY

Figure 3:

Basic system connectivity of a WallVIEW CCU HD-18 System (includes ClearVIEW HD-18, EZIM CCU and Quick-Connect CCU), ProductionVIEW HD and PreVIEW Triple SD monitors.



TECHNICAL SPECIFICATIONS

WallVIEW CCU HD-18	
Part Numbers	WallVIEW CCU HD-18 999-6907-000 (NTSC) WallVIEW CCU HD-18 999-6907-001 (PAL)
• Vaddio ClearVIEW HD-18	
Image Device	1/3" CCD
Picture Elements	1.3 Megapixels
Signal System	HD: 1080p, 1080i or 720p @ 59.94; 1080p @ 60; 1080p, 1080i or 720p @ 50 SD: Composite NTSC or PAL (simultaneous with HD output)
Lens	18x Optical Zoom
Focal Length	f=4.7 to 84.6mm
Horizontal Viewing Angle	3.2 to 55.2 degrees (16:9)
Frame Delay	1 frame
Video S/N Ratio	> 50dB
Invertible	Yes
Minimum Illumination	1.8 lux
Control Protocol	VISCA
Gain	0 dB to 30 dB
Serial Communication	RS-232 (9600 or 38,400)
Pan Range	+170 degrees to -170 degrees
Tilt Range	+90 degrees to -30 degrees
Pan/Tilt Speed	0.25° to 60° degrees/second
Preset Positions	16 (internal), 6 recalled via IR Remote
Image Control	Red & Blue Gain, Detail, Chroma, Gamma, Pedestal, Iris and Gain
Tally Light	Yes
• Quick-Connect CCU Interface (QCCU)	
Connectors	Power Connector: 5.5mm OD, 2.5mm ID coaxial connector Power RJ-45: Supplies 36V to EZIM Card Control In RJ-45: Accepts RS-232 from ProductionVIEW or other non-daisy-chain control systems Control Out RJ-45: Passes RS-232 to ClearVIEW HD Camera Tally: 2-Pin Phoenix type spring cage connector Gen Lock Input: BNC Connector for Sync (not applicable with HD-18 camera) Video Outputs: BNC Connectors for HD Analog Component (Y,PB,PR) / SD (Composite) Video RJ-45: Transports HD video from camera EZIM Card
Camera Select Switch	For future use
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 Card	
Connectors	Two (2) RJ-45 Connectors (Power and Video)
Power Regulator	Supplies 12VDC to Camera
• Thin Profile Wall Mount HD-18	
Materials	12-Gauge CRS with Black Powder Coat Paint
Dimensions	5.125" H x 6.75" W x 10" D (13 cm x 17.15 cm x 25.4 cm)
Weight	Approx. 2.4 lbs. (1.1kg)