Universal CCU

CAT-5 Version of the Quick-Connect™ Universal CCU for Vaddio™ PTZ Cameras

VADDIO

Universal CCU for Vaddio WallVIEW™ HD-20, HD-19 and HD-18 PTZ Camera Systems

HD-20

HD-19   HD-18

The Universal CCU is the new Quick-Connect CCU for the WallVIEW HD-20, HD-19 and HD-18 Pan/Tilt/Zoom Camera Systems. The Universal CCU will have three main models - CAT-5 version, Wireless version for the HD-20 and Optical version for all cameras.

The CAT-5 Universal CCU uses HSDS™ (high speed differential signaling), an active video transmission system, to deliver high-quality HD video over standard CAT-5 cabling up to 500' (152.4m) with virtually no loss in video quality or latency. One of the most flexible attributes the Universal CCU has is at the output section. It has HD-SDI or SDI outputs, HDMI and HD Analog Component (YPbPr) outputs, all which can be used concurrently. Resolution ranges from 480i up to and including 1080p/60 on all outputs.

The Universal CCU has a new industrial design that simplifies the operation of the CCU. The back-lit blue LED screen displays up to eight parameters at a time and the camera's model number so the interrelationship of the controls can easily and quickly be read and understood. The silicon back-lit blue buttons are soft and silent for critical studio adjustments. All of the controls are adjusted with the menu rotary encoder with select and cancel buttons.

The WallVIEW CCU series for ClearVIEW HD-20, HD-19 and HD-18 allows the user to adjust Red and Blue Gain, Iris functions, Chroma, Pedestal, Knee, Detail, Gamma and Gain on the cameras. These controls allow the camera to deliver a more accurate representation of the image that is being captured. Other added advantages include the ability to color match multiple cameras and eliminate the need to use automatic exposure and color settings. User-definted adjustments may be stored using three scene buttons.

Overall, the WallVIEW Systems using the Quick-Connect Universal CCU is superb for a wide range of high definition shooting applications. It is also great where adjusting the color and brightness levels of one or multiple cameras is critical, as in houses of worship, corporate boardrooms, live event production and distance-learning applications.

INCLUDES

- Choice of Camera HD-20, HD-19 (black or white) or HD-18 (black or white)
- Quick-Connect Universal CCU with Rack Mount Ears
- EZIM CCU Slot Card
- 36 VDC PowerRite™ Power Supply
- Vaddio IR Remote Commander
- EZCamera™ Control Adapter
- CONCEAL™ Wall Mount and Mounting Hardware
- Documentation

WallVIEW Universal CCU CAT-5 Versions with CONCEAL Mounts
(left to right), HD-20, HD-19 (black) and HD-18AW (Arctic White)

TECHNICAL FEATURES

CCU Controls   The CCU functions on the CAT-5 versions for the HD-20 and the HD-18 include Red and Blue gain, Iris functions, Chroma, Pedestal, Knee, Detail, Gamma and Gain. The HD-19 system controls include Red and Blue gain, Iris functions, Chroma, Brightness OPWB, detail, Gamma Shutter, Image Stabilization, Noise Reduction and Gain

Simultaneous Outputs   The Universal CCU has HD-SDI or SDI outputs, HDMI and HD Analog component (YPbPr) outputs, all of which can be used concurrently. Resolution throughout ranges from 480i up to and including 1080p/60 on all ouputs. The HDMI out is HD only (720/1080i/1080p).
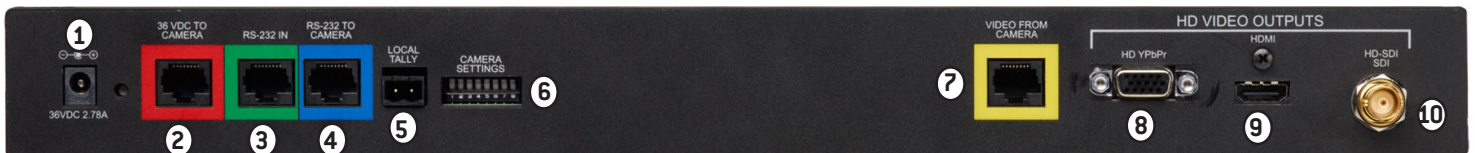
TECHNICAL FEATURES CONTINUED

Large LCD Display — The large blue back-lit display shows the CCU type, camera model number and up to eight parameters at a time. Menu items such as Y-Gain, distance controls, screen brightness and contrast are also available.

Simple User Interface — Front panel controls are easy to read and operate. The back-lit silicone rubber buttons are soft, easy to read and silent, so even in live sound stage shoots, the cameras can be adjusted allowing for better camera performance.

HSDS Technology — Using the Vaddio HSDS (high speed differential signaling) of the analog video, and the control signals, allows the distance between the ClearVIEW cameras and the Universal Quick-Connect CCU to be up to and including 500' (152.4m) using three plain CAT-5 cables. One CAT-5 cable is for video, one is for power and one is used for control.

Made in USA — The Quick-Connect Universal CCU is made in the USA, at Vaddio headquarters, Minneapolis, Minnesota.

EZIM Slot Card fits into the card slot of the HD-20, HD-19 and HD-18 Cameras

REAR PANEL CONNECTIONS

Quick-Connect Universal CCU, CAT-5 Version

1) **Power Connector:** 36 VDC, 2.78A 5.5mm OD x 2.5mm ID Coax Connector, Positive Center

2) **Red RJ-45 36, VDC ouput:** Out to EZIM CCU Slot Card mounted into the back of the camera

3) **Green RJ-45, RS-232 IN:** Control input for Vaddio Joystick Controllers

4) **Blue RJ-45, RS-232 OUT to Camera:** Control output to the RS-232 Port of the camera

5) **Local Tally:** Tally contact from controller will light the camera's red Tally Light

6) **Camera Settings:** 8-pos Dip Switch provide access to Y-Gain, cable length, color space and LCD display controls

7) **Yellow RJ-45, Video from Camera:** Differential video signals are returned from the camera

8) **YPbPr Output:** On DE-15 (HD-15) connetor, resolutions range from 480i to 1080p/60 on the analog connector

9) **HDMI Connector:** HDMI will provide HD Signals only including 720p, 1080i and up to 1080p/60.

10) **Gold BNC Connector:** Carrier class edge mount BNC capable of transmitting a 3Gb/s single link HD-SDI resolutions

SPECIFICATIONS

Part Numbers	999-6907-100	WallVIEW Universal CCU HD-18 CAT-5 version - (North America)
	999-6907-100AW	WallVIEW Universal CCU HD-18 CAT-5 version - Arctic White: (International)
	999-6947-100	WallVIEW Universal CCU HD-19 CAT-5 Version - (North America)
	999-6947-100AW	WallVIEW Universal CCU HD-10 CAT-5 Version - Arctic White: (International
	999-6957-100	WallVIEW Universal CCU HD-20 CAT-5 Version - (North America)
International	999-6907-101	WallVIEW Universal CCU HD-18 CAT-5 Version - (International)
	999-6907-101AW	WallVIEW Universal CCU HD-18 CAT-5 Version - Arctic White: (International)
	999-6947-101	WallVIEW Universal CCU HD-19 CAT-5 Version - (International)
	999-6947-101AW	WallVIEW Universal CCU HD-10 CAT-5 Version - Arctic White: (International)
	999-6957-101	WallVIEW Universal CCU HD-20 CAT-5 Version - (International)
User Controls	**HD-20 and HD-18:**	White Balance (auto, manual) Red and Blue Gain, Pedestal, Knee, Chroma, Gamma, Detail, Gain, Iris, 3-Scene Presets, Select and Cancel
	HD-19:	White Balance (auto, manual), OPWB, Red and Blue Gain, Chroma, Brightness, Gamma, Detail Iris, 3-Scene Presets, Select and Cancel. In menu Shutter Control, image stabilization and noise reduction.
Connectors		5.5mm OD x 2.5mm ID Power Connector, RJ-45 for 36 VDC on 4pr. CAT-5, RJ-45 for RS-232 IN, RJ-45 for RS-232 OUT, 2-pos Molex 5.0mm Euro Connector for Tally, 8-pin Dip Switch for camera functions, RJ-45 for Differential Video Return, DE-15 for YPbPr out, HDMI for HDMI, and a BNC for HD-SDI
Video Adjustments		In Menu, Y-Gain and Cable Distance Presets
CAT-5 Cable Distance		Up to and including 500' (152.4m)
Power Supply		36VDC, 2.78 Amp Switching Power Supply (International systems receive the Euro and UK power cables)
Dimensions		1.72" (43.7mm) H x 18.93 (480.8mm) W (with rack ears) and 7" (177.8mm) D
Weight		3.45 lbs (1.5649kg)

Learn more about our complete line of cameras and camera control equipment at 800-572-2011 or vaddio.com

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