

Quick-Connect™ USB

Quick-Connect USB Interface for Vaddio™ Cameras

Featuring Video, Power & Control over two (2) Cat-5 Cables with Multi-format Video Outputs

The amazing Quick-Connect USB Interface for Vaddio cameras is easily the most flexible camera interface available on today. This robust system uses the Vaddio EZCamera™ Cabling system and two Cat-5 cables to provide power, return HSDS™ video and extends control signaling to the camera up to a distance of 100' (30.48m) for PTZ cameras and up to 150' (45.72m) with stationary POV cameras like ZoomSHOT™ and WideSHOT™.



Quick-Connect USB

The Quick-Connect USB was designed to have multi-format digital and analog video outputs, it's compatible with all existing and forthcoming Vaddio cameras, and like all other Vaddio interface products, it's an entirely unique interface that is easy to use and represents a tremendous value for integrators and end users alike.

Starting with the front panel, even the new backlit LCD is cool. It is an OBV (omni-directional view) and ABN (advanced black nematic) type of display that achieves superior front screen performance while offering a high contrast and wide viewing angle combined with high visibility. The LCD will display the IP and MAC addresses allowing for easy access to the application and camera settings for the PC or BYOD (bring your own device - laptop or tablet) users of UC conference systems. The QC-USB has a front panel system reset switch as well as LED indicators on the front panel to show if the system is streaming USB 2.0 (UVC) MJPEG, IP (H.264) video or if the network is in general use (see images).

The rear panel includes the USB 2.0 connection and the Ethernet 10/100 connection to provide for USB 2.0 or IP video streaming and IP control. The USB 2.0 uses the standard UVC (Universal Video Class) drivers built-in to the OS of the computer, which means that no pesky programs or drivers and the associated headaches are required. Any compatible UC client using UVC drivers can be used (see compatible program list). The system also streams IP video (H.264) and supports both RTSP and HLS (HTTP Live Streaming, Apple's variant on HTTP streaming).



Images: Quick-Connect USB Front Panel (up) and Rear Panel (below)



An embedded web server provides for browser-based access of robotic camera controls, camera presets and rudimentary CCU functions (color and shading controls) as well as the video configuration web pages. Analog and HDMI video outputs are also included and output the same video resolution that is sent from the camera simultaneously. The USB and IP resolutions are independent from the standard HD video outputs. The EZ-Power Video and RS-232 jacks are on RJ-45's and are cabled to the corresponding RJ-45 connections on the Vaddio cameras. The RS-232 IN is supplied to connect a camera controller or control system if needed.

Quick-Connect USB - GENERAL SPECIFICATIONS	
Compatible Vaddio Cameras	PowerVIEW HD-22 & HD-30, ClearVIEW HD-19, HD-18, HD-20 ZoomSHOT, WideSHOT, CeilingVIEW HD-18, REVEAL Clear and REVEAL Frosted (please see manuals for additional compatibilities)
Control Type	Internal Web Server (browser-based control), Telnet and RS-232 Control
Cat-5 Cabling	Two (2) Cat-5 connections; 1 st : EZ-Power Video (power to camera & video from camera), 2 nd : RS-232 Control
Cat-5 Max. Distance	100' (30.48m) with PTZ cameras, 150' (45.72m) with stationary POV cameras (ZoomSHOT & WideSHOT)
Connectors	USB 2.0 on Type-B female, Ethernet 10/100 on RJ-45F with LEDs, EZ-Power Video on Shielded RJ-45F, RS-232 to Camera on Shielded RJ-45F, RS-232 IN: RJ-45F, YPbPr on DE-15F, HDMI-F video connector
Streaming	IP Video (H.264) in RTSP and HLS formats and USB 2.0 Video (UVC Drivers and MJPEG)
Resolutions	HDMI and HDMI set on Camera, IP and USB set on Web Pages, USB auto negotiated, IP has variable bit rate
Dip Switch Settings	HDMI (YCbCr) or DVI (sRGB) Color Space, Factory Default Reset and Future Controls
Enclosure	1-RU - ½ Rack Size, Optional ½ Rack Mount Kit Accessory 998-6000-004
Power	24 VDC, 2.0 Amp on 5.5mm OD x 2.5mm ID Coaxial Connector, Positive Center