

# OneLINK™

## Vaddio™ OneLINK - High Speed Digital Bus for HD Digital Video, Power and Control

Part Numbers: 999-9550-000 - North America, 999-9550-001 - International



Figure 1: Quick-Connect™ OneLINK

Vaddio's OneLINK™ is an advanced, state of the art, high speed digital bus technology that was designed to reduce the number of cables needed at an installation and extends digital video (HDMI) signals along with power and control for videoconferencing applications.

The OneLINK is a part of the Vaddio Cat-5e Structured Media Cabling Standard for video, power and control over Cat-5e, but with one very important difference: OneLINK uses one (1) Cat-5e cable for HD digital video, power and control at distances up to 125' (38.1m)

The OneLINK system sends and regulates power to the camera, provides a bi-directional control channel for RS-232 and transmits/receives uncompressed HD digital video up to and including 1080p/60Hz, all on One (1) Cat-5e cable, hence the name, OneLINK. The OneLINK is a complete peripheral system and comes with the Quick-Connect, the EZIM, and three 1' (30.5cm) native cables at the camera (HDMI, 5.5mm OD x 2.1 mm ID power cable, and RJ-45 patch cable). We even go as far as including a totally awesome camera mount made specifically to mount the PrecisionHD series PTZ cameras and the EZIM.



Figure 2: EZIM™ OneLINK High Speed EZ Interface Module  
(Placed out at the camera/mount)



Figure 3: TANDBERG PrecisionHD 1080p  
Shown with mount with EZIM behind Camera  
(Camera and Codec Not Included)

## WHAT'S INCLUDED

- Quick-Connect OneLINK
- EZIM OneLINK
- Camera Mount (for TANDBERG Cameras)
- 48V, 1.4A Power Supply and AC Cord Set
- OneLINK EZCamera Control Adapter
- 1' (30.5cm) HDMI Cable
- 1' (30.5cm) 2.1mm ID Power Cable
- 1' (30.5cm) RJ-45 Cat-5e Patch Cable
- Documentation

## TECHNICAL FEATURES

### Single Cat-5e Cable Break-through

The OneLINK System requires only a single Cat-5e cable to transport power to the PTZ camera, provide bi-directional RS-232 communication and return uncompressed HD digital video (HDMI) from the camera up to a distance of 125' (38.1m).

### OneLINK and TANDBERG PTZ Cameras

Vaddio has consistently worked with other manufacturers and distributors for the sole purpose of making video technology easy install and operate. By working with TANDBERG, the first two videoconferencing system PTZ cameras that are compatible with the OneLINK System are the PrecisionHD 1080p and 720p with C-Series codecs.

### The Technology

For years Vaddio's product group has relentlessly strived to use the newest, best and most relevant technologies available today. The OneLINK is simply the result.

### Another Fine Point

The OneLINK system was conceived, designed and manufactured in the USA, in the Minneapolis-St. Paul metro area.



## TECHNICAL IMAGES

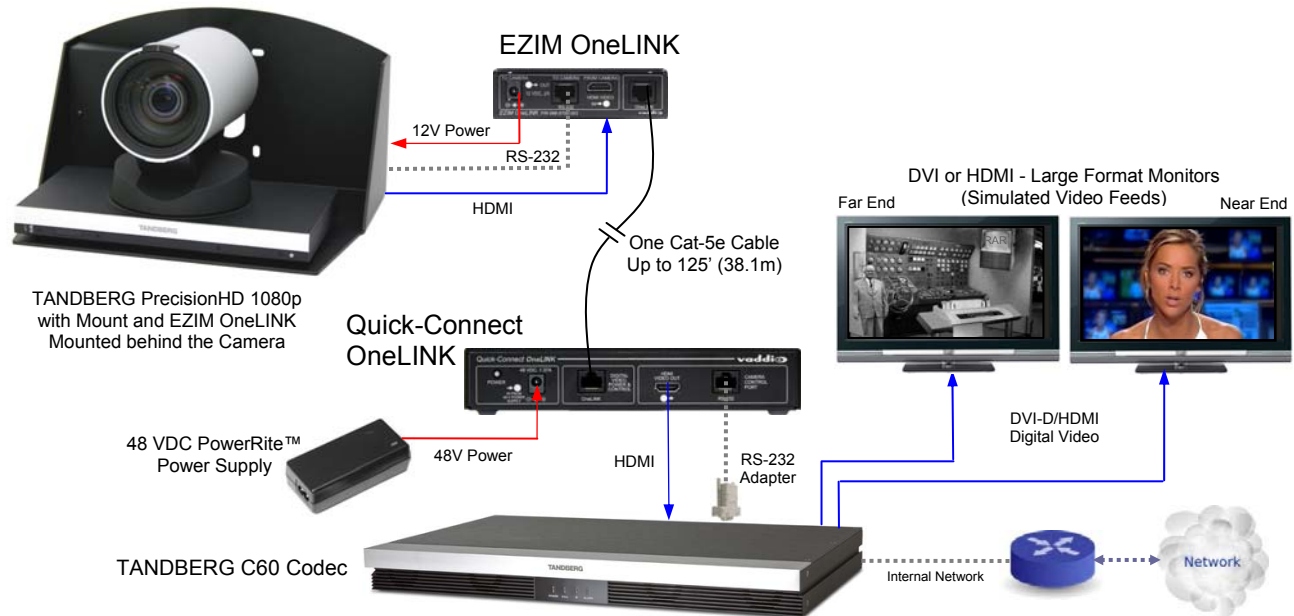
Figure 4: OneLINK Quick-Connect and EZIM connectors and functional callouts



- 1) Vaddio Blue LED Power Indicator: Lit when power supply is plugged in.
- 2) Power Input: 48 VDC, 1.4 Amp Power Connection, 5.5mm OD x 2.5mm ID, Positive Center
- 3) OneLINK Port: Power to the camera, bi-directional RS-232 communication and receives HD digital video from the camera
- 4) HDMI Output: To Videoconferencing system
- 5) RS-232 Control Port: For communication (TX and RX) between the PTZ Camera from Codec
- 6) Power Output: 12 VDC, 2 Amp Power Connection to Camera, 5.5mm OD x 2.1mm ID, Positive Center
- 7) RS-232 Control Port: For communication (TX and RX) between the PTZ Camera from Codec
- 8) HDMI Input: Connect the HDMI Output of the camera to the EZIM HDMI IN
- 9) OneLINK Port: Receives and regulates power, bi-directional RS-232 and transmits HD digital video from the camera

## SYSTEM CONNECTIVITY

Figure 5: Basic OneLINK System (Quick-Connect and EZIM) Configuration with TANDBERG Camera and Codec



## TECHNICAL SPECIFICATIONS

OneLINK	
Part Numbers	999-9550-000 - North America, 999-9950-001 - International (with UK and Euro AC Cord Set)
Compatible Cameras	TANDBERG PrecisionHD 1080p and Precision HD 720P (Cameras not Included)
Compatible Codecs	TANDBERG C-Series (C20, C40, C60 and C90) - Codecs Not Included
Connectors	<b>Quick-Connect OneLINK:</b> Vaddio Blue LED "Power" Indicator, 5.5mm OD and a 2.5mm ID Coaxial Power Connector, OneLINK port on RJ-45, HDMI and RJ-45 for RS-232 <b>EZIM OneLINK:</b> 5.5mm OD and a 2.1mm ID Coaxial Power Connector, RJ-45 for RS-232, HDM and OneLINK port on RJ-45
Max. Cat-5e Cable Length	Single Cat-5e up to 125' (38.1m)
Power Supply	48 VDC, 1.4 Amp PowerRite Power Supply with AC Cord Set - EZIM OneLINK Regulates Power to 12 VDC
Included Patch Cables for EZIM and PrecisionHD Camera	One (1) 1' (30.5mm) HDMI Cable One (1) 1' (30.5mm) Cat-5e Patch Cable One (1) 1' (30.5mm) 5.5mm OD x 2.1 ID Power Cable
Dimensions (H x W x D)	<b>Quick-Connect:</b> 1.47" (37.34mm) H x 8.0" (203.2mm) W x 4.5" (114.3mm) D, (1/2Rack Size) <b>EZIM:</b> 3.3" (83.8mm) H x 4.3" (109.2mm) W x 1.25" (31.75mm) D
Weight	Quick-Connect and EZIM - 2.1 lbs. (0.952543977 kg, give or take)