OneLINK™ Digital Camera Interface

Vaddio™ OneLINK System for RoboSHOT™ HDMI Cameras
HDBaseT™ Video, Power and Control Extension over a Single Cat-5e or Better Cable
Part Numbers: 999-9590-000 North America, 999-9590-001 International

Vaddio's OneLINK System for RoboSHOT HDMI cameras is an HDBaseT camera extension system that extends HDMI video, power and control on a single Cat-5e/6 cable at distances of up to 328' (100m). OneLINK allows for simplified, economical and faster installations. The OneLINK system sends and regulates power to the camera, provides bi-directional control channels for Ethernet and RS-232 and transmits/receives uncompressed HDMI video up to 1080p/60 and up to 2160p/30 for the future.

Images: OneLINK HDMI EZIM™ Camera Interface (above) and OneLINK HDMI Interface Front Panel (below).

The system consists of the small OneLINK EZIM (EZCamera™ Interface Module) camera interface at the camera location and the OneLINK HDMI Interface. The EZIM provides the required camera connectivity and is mounted to the underside of the RoboSHOT HDMI camera's Thin Profile Wall Mount with two 6-32 x .188" black mounting screws. All the 12" (305mm) patch cables on the camera end are provided with the OneLINK system including an HDMI cable, a power cable and two Cat-5e cables for network and RS-232. The Thin Profile Wall Mount can be mounted directly to a 2-gang sized electrical box for conduit installations or directly to the dry wall with wall anchors.

From one end to the other, the OneLINK system provides system integrators with an easy to install, simple and elegant, single cable camera extension solution, which exemplifies Vaddio's main tenet; The Art of Easy.

WHAT'S INCLUDED

The OneLINK System for RoboSHOT HDMI Cameras includes the following items:

- One (1) OneLINK HDMI Interface.
- One (1) OneLINK EZIM for the camera side.
- One (1) 48 VDC, 1.36 Amp Switching Power Supply
- One (1) AC Cord Set
- One (1) 12" (305mm) HDMI Cable
- One(1) 12" (305mm) EIAJ-04 to EIAJ-04 Power Cable
- Two (2) 12" (305mm) Cat-5e Patch Cables for Ethernet and RS-232
- Two 6-32 x .188 Black Phillips flat head screws to attach the EZIM to the underside of the RoboSHOT Wall Mount
- One (1) Quick Start Guide for OneLINK

Notes: Cameras are Sold Separately
Full length manuals available at vaddio.com

KEY TECHNICAL FEATURES

Single Cat-5e/6 Cable Solution
The OneLINK System requires a single Cat-5e or better cable to transport power to the PTZ camera, provide bi-directional Ethernet and RS-232 communication and return HDMI from the camera up to a distance of 328' (100m).

The Technology
Vaddio's product development group has relentlessly strived to use the newest, the best, most relevant and standards based HDBaseT technologies available today. The OneLINK HDMI is simply the result.
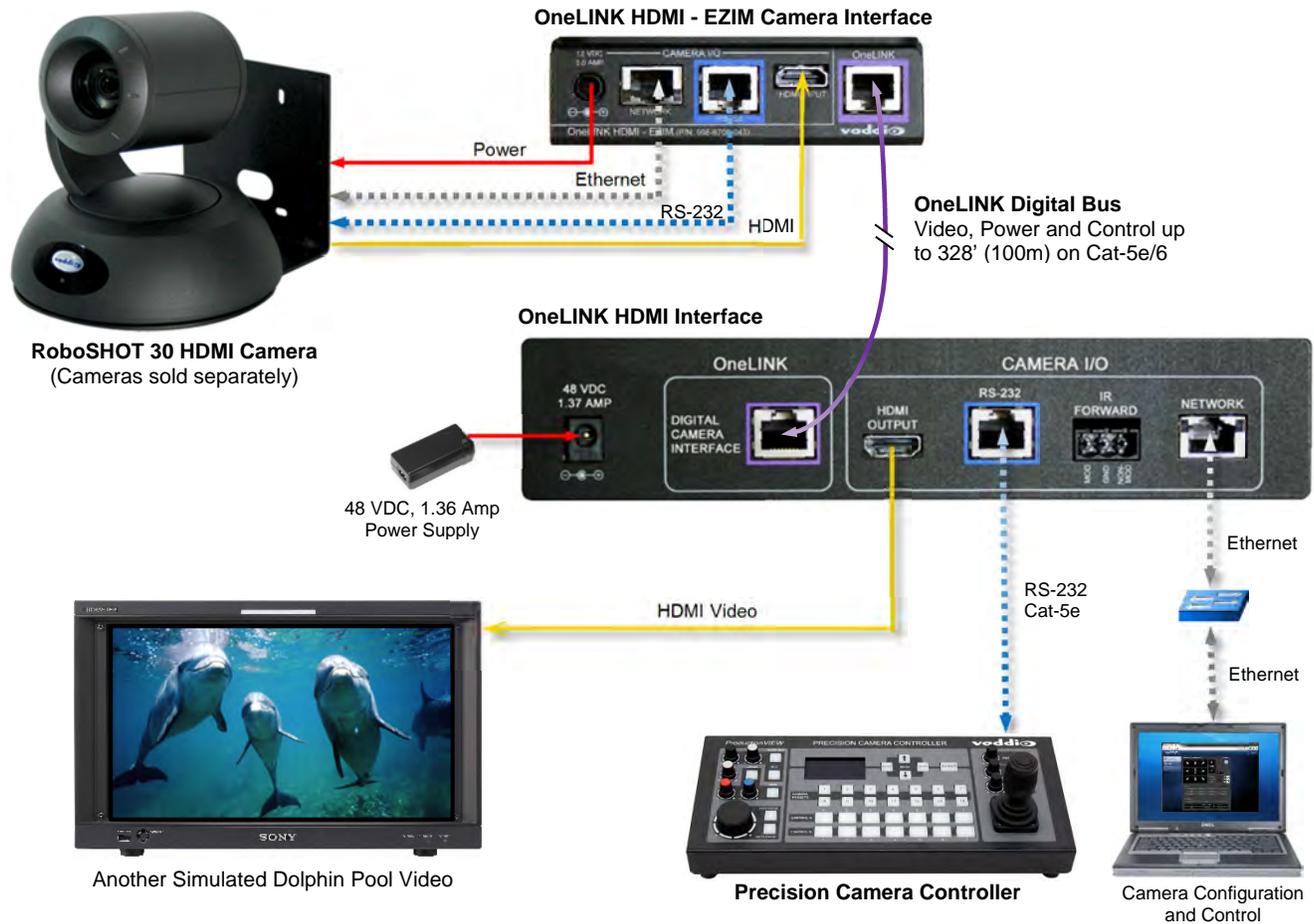
Another Fine Point
The OneLINK system was conceived, designed and manufactured in the USA at Vaddio's HQ in Minnetonka, Minnesota.

MADE IN THE USA

MADE IN MN

OneLINK HDMI - EZIM Camera Interface

Power

Ethernet

RS-232

HDMI

RoboSHOT 30 HDMI Camera
(Cameras sold separately)

OneLINK Digital Bus
Video, Power and Control up
to 328' (100m) on Cat-5e/6

OneLINK HDMI Interface

48 VDC, 1.36 Amp
Power Supply

HDMI Video

RS-232
Cat-5e

Ethernet

Ethernet

Another Simulated Dolphin Pool Video

Precision Camera Controller

Camera Configuration
and Control

GENERAL SPECIFICATIONS

Part Numbers	999-9590-000: OneLINK System for Vaddio RoboSHOT HDMI Cameras (North America) 999-9590-001: OneLINK System for Vaddio RoboSHOT HDMI Cameras (International)
Compatible Cameras	Cabling Kit for RoboSHOT 12 HDMI and RoboSHOT 30 HDMI
Video Support	HDMI resolutions up to 1080p/60 for RoboSHOT HDMI cameras and 2160p/30 for the future.
RS-232 Support	Pass-through
Ethernet Support	Pass-through
Camera Power Support	12 VDC, 3 Amp from EZIM to Camera.
Cabling Distances	328' (100m) over Cat-5e (Best Practices - When in doubt of EMI or RF interference in the area that OneLINK is being installed, use shielded Cat-6 cable).
OneLINK Interface Power Supply	48 VDC, 1.36 Amp
Connectors on OneLINK Interface	OneLINK Port on Shielded RJ-45F, HDMI Output Receptacle, Ethernet on shielded RJ-45F with LEDs, RS-232 on shielded RJ-45 connector, Power in on 5.5mm OD x 2.5mm ID Coaxial connector (positive Center), IR Forward on 3-pin Phoenix-style connector
Connectors on OneLINK EZIM	OneLINK Port on Shielded RJ-45F, HDMI Input Receptacle, Ethernet on shielded RJ-45F with LEDs, RS-232 on shielded RJ-45 connector, Power out on EIAJ-04 connector
OneLINK Interface Dimensions (H x W x D - not including space-time)	1.72" (43.7mm) H x 8.375" (212.7mm) W x 6.00" (152.4mm) D
OneLINK EZIM Dimensions (H x W x D)	3.861" (98.07mm) H x 4.310" (109.47mm) W x 1.24" (31.5mm) D
OneLINK Interface Weight	1.553 lbs. (703.1g)
OneLINK EZIM Weight	0.553 lbs. (249.5g)
Operating Temperature/Humidity	0°C (32°F) to 40°C (104°F), 20% to 80% Relative Humidity

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