Triggers, Audio and Video Accessories for the AV Bridge MATRIX PRO

The AV Bridge MATRIX PRO combines the functionality of the AV Bridge encoder with IP and USB 2.0 (UVC & UAC) streaming, a four input seamless HD video presentation switcher, three (3) Quick-Connect™ Interfaces for Vaddio cameras with EZCamera™ Cat-5/5e/6 connectivity, an 8 x 4 crosspoint audio matrix with integrated AEC, four (4) EasyMic™ Ports for Vaddio ceiling or table mics with built-in echo cancellation and a web server for configuration programming, control and remote management. The AV Bridge MATRIX PRO replaces a rack full of gear, and then some.

The MATRIX PRO was designed for integrators in order to reduce the complexity of AV system design and implementation, while delivering the features and capabilities most sought after by today's sophisticated end user.

It was also designed to seamlessly integrate with the Vaddio Cat-5 cameras using HSDS™ (high speed differential signaling), as well as easily integrated audio and trigger devices for the AV Bridge MATRIX PRO to make possible quick and seamless integrations. There is also an option for a stand-alone Quick-Connect interface for use as a Program video display extension system, also using the Vaddio HSDS signaling platform. The below products are specifically packaged to take advantage of the MATRIX PRO's impressive functionality, and are identified in the following tables:
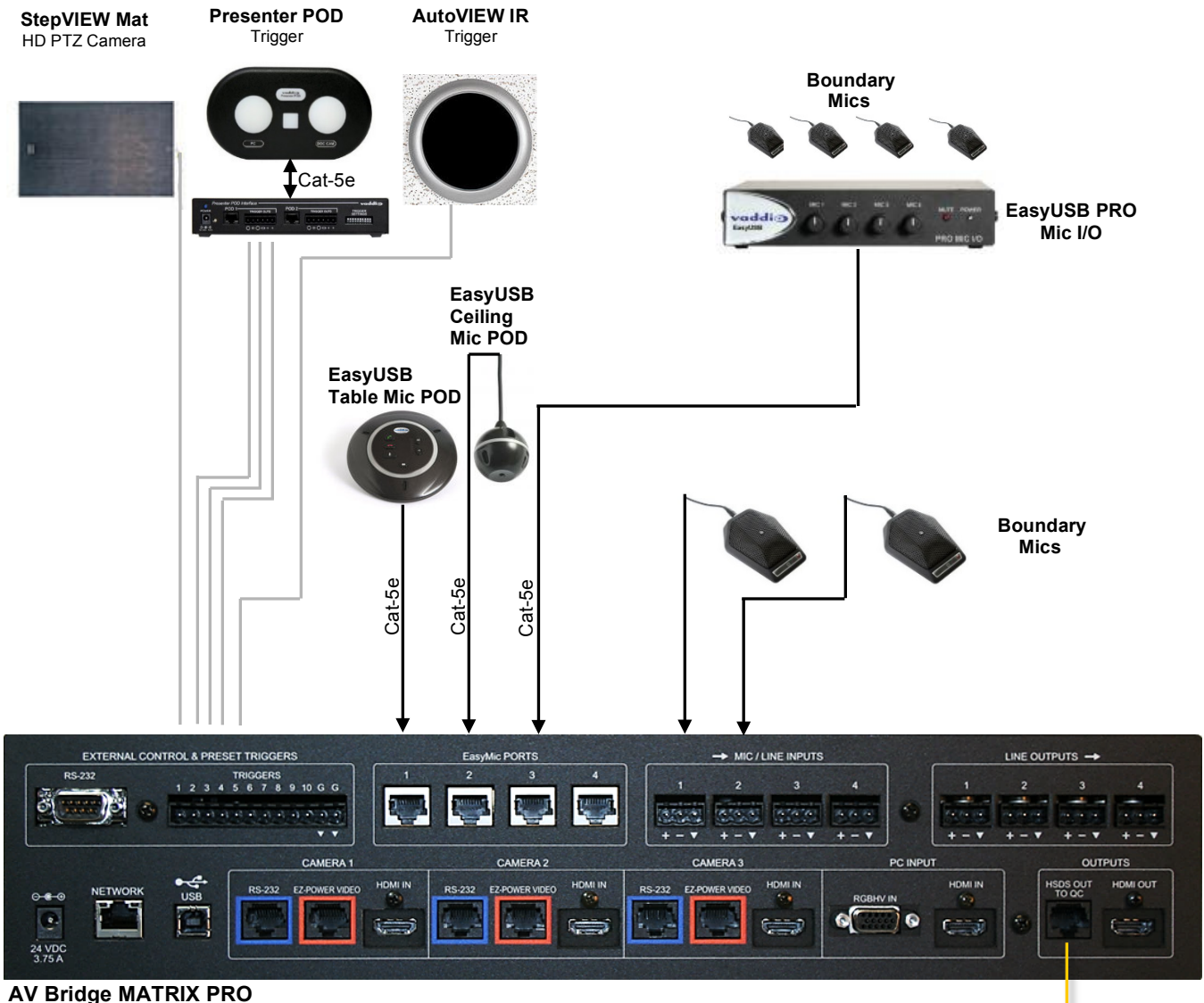
TRIGGERS FOR AV BRIDGE MATRIX PRO

Image	Product	Part Number	Key Specifications
	StepVIEW Mat- Small • Small pressure sensitive step mat provides contact closure output for Trigger devices	999-1511-000 Worldwide	• 44" (1.12m) x 27.5" (.7m) • Rubber, non-slip exposed locator mat, small • 75' (22.8m) attached cord
	StepVIEW Mat- Large • Large pressure sensitive step mat provides contact closure output for Trigger devices	999-1512-000 Worldwide	• 57" (1.45m) x 27.5" (.7m) • Rubber, Non slip exposed locator mat, large • 75' (22.8m) attached cord
	PresenterPOD System • Manual Trigger System for MATRIX PRO, AutoPresenter and ProductionVIEW Consoles	999-1111-000 North America 999-1111-001 International	• One (1) PresenterPOD Interface • One (1) PresenterPOD with Trigger 4-buttons • Interface Supports up to (2) PODs for 8-total triggers • Adhesive labels and mounting hardware included
	Additional Presenter Pod • One Presenter Pod to add to 999-1111-000 system for second Pod	999-6920-000 Worldwide	• One (1) PresenterPOD with Trigger 4-buttons • For use with Presenter POD Systems 999-1111-000 and 999-1111-001
	AutoVIEW IR Sensor • Single ceiling mounted IR sensor • Movement sensor provides Trigger output for control devices • Adjustable range	999-1701-100	• Active IR Sensor and acrylic lens cover • AudtVIEW IR Interface Controller • Power supply • (1) 3' (.9m) Cat-5 interface cable

Image	Product	Part Number	Key Specifications
	EasyUSB Table MicPOD • Desktop Mic Pod with (3) mic elements for 360-degree coverage and (3) built-in echo cancelers • Can be directly connected to MATRIX PRO or EasyUSB Mixer/Amp EasyMic Ports • EasyMic Port output only	999-8500-000 Worldwide	• (1) EasyMic MicPOD table mic with (3) elements and (3) Acoustic Echo Cancelers • (1) 25' (7.6m) Cat-5 Cable • Documentation
	EasyUSB Ceiling MicPOD-White • White pendant Style 3 element Ceiling Mic with Plenum rated ceiling interface box • For use with MATRIX PRO or EasyUSB Mixer/Amp • EasyMic Port output only	999-8510-000 Worldwide	• (1) EasyMic Ceiling Mic POD- 2.5" sphere with (3) elements, (3) Acoustic Echo Cancellers • 36" white adjustable hanging cable • (1) Plenum rated Ceiling Interface Box
	EasyUSB Ceiling MicPOD-Black • Black pendant Style 3 element Ceiling Mic with Plenum rated ceiling interface box • For use with MATRIX PRO or EasyUSB Mixer/Amp	999-8515-000 Worldwide	• (1) EasyMic Ceiling Mic POD- 2.5" sphere with 3 elements, 3 Acoustic Echo Cancellers • 36" black adjustable hanging cable • (1) Plenum rated Ceiling Interface Box • Documentation
	Trio Table Mic Array • Desktop Mic Pod with (3) mic elements for 360-degree coverage and (3) built-in echo cancelers • For use with MATRIX PRO or EasyUSB Mixer/Amp	999-8850-000 Worldwide	• Features (3) Mic elements in a 360º Boundary array • (3) built in Echo Cancelers (one per element) Built in DSP with automatic functions for easy set up
	EasyUSB PRO MIC I/O • Allows Pro Mics to be used with MATRIX PRO or EasyUSB Mixer/Amp Easy Mic inputs • Four Channel Pro Mic Mixer with individual built-in AEC references • (4) XLR Mic Inputs • EasyMic Port output only	999-8520-000 North America	• (1) EasyUSB PRO MIC I/O • (1) Power Supply • Documentation
	Unidirectional Boundary Mic • For use with Mic/Line inputs of MATRIX PRO • Can be used in conjunction with EasyUSB Pro Mic I/O for scalable audio requirements	701-0001-891 Worldwide	• (1) Boundary Microphone with integral on/off switch and red LED • Assignable switch modes • 25' (7.6m) detachable cable
	Quick-Connect DVI/HDMI • Quick-Connect DVI/HDMI for use as a display extension system with MATRIX PRO HSDS Program outputs up to 150' (45m) • DVI/HDMI HD output on DVI connector, Component HD output on DE-15 connector • Simultaneous DVI/HDMI and Component analog outputs up to 1080p resolution	998-6906-000 North America 998-6906-001 International	• (1) DVI/HDMI Quick-Connect Interface • (1) Power Supply • Documentation

BASIC SYSTEM CONNECTIVITY

This diagram is intended to illustrate sample connectivity of Trigger devices such as StepVIEW Mats, Presenter PODs and AutoVIEW IR. Microphone sources shown as EasyUSB Table and Ceiling MicPODs, with further supplementation of Boundary microphones both directly connected to Mic/Line inputs or through an EasyUSB PRO Mic I/O to generate EasyMic Port signals. HSDS Program output fed via Cat-5 to a Quick-Connect DVI/HDMI

acting as a video source to a remote monitor or projector.

StepVIEW Mat
HD PTZ Camera

Presenter POD
Trigger

AutoVIEW IR
Trigger

Boundary Mics

Cat-5e

EasyUSB PRO Mic I/O

EasyUSB Ceiling Mic POD

EasyUSB Table Mic POD

Boundary Mics

Cat-5e
Cat-5e
Cat-5e

AV Bridge MATRIX PRO

Cat-5e

Simultaneous DVI/HDMI and HD Component video outputs to feed remote monitor or projector

Quick-Connect DVI/HDMI

Key:

Black Line
Directional Audio

Gray (no arrows)
Trigger/ contact closure

Yellow
HSDS out to Quick-Connect