A & E Specification

RoboTRAK

Presenter Tracking System

North America: 999-7270-000

Europe and UK: 999-7270-001

Australia and New Zealand: 999-7270-009

Description

The presenter tracking system shall be designed for use in environments such as classrooms and corporate training facilities. It shall provide enterprise-class features including network control via web interface and remote automation via a command line API that can be accessed via Telnet session.

The presenter tracking system shall consist of a wearable infrared signal source and an infrared tracking camera. It shall direct the movement of a video camera. The system shall track the signal source reliably, regardless of whether others are within the tracking area.

The infrared signal source shall not interfere with or be restricted to any type of attire, nor shall it impede the presenter's movements. The infrared signal source shall have a typical battery life of 25 to 40 hours.

The presenter tracking system shall be compatible with all Vaddio RoboSHOT series cameras.

Configuration and Control

The web-based graphical user interface shall provide full physical and administrative control of the presenter tracking system. It shall be accessed through current versions of commonly used web browsers including Chrome®, Firefox®, Safari®, Internet Explorer®, and Microsoft® Edge.

Installation Requirements

The presenter tracking system shall be designed to attach to a wall or ceiling mount in an indoor environment. A dual mounting shelf shall be provided with the system. The mounting shelf shall be designed to accommodate the IR camera and a compatible video camera. The mounting shelf shall accommodate a 1" NPT threaded pipe to allow ceiling mounting.

Specifications

IR Camera

Operational Distance	12 to 50 ft (3.7 to 15.2 m)	**Peak IR Sensitivity**	850 nm
Horizontal range	±90°	**Vertical Placement**	7 to 15 ft (2.1 to 4.6 m)
Max. Vertical Offset	20°	**Position Presets**	10
Communication	10/100 Ethernet	**Power**	12 VDC, 3.0A
Height	6.3 in (163 mm)	**Depth**	5.5 in (145 mm)
Width	6.1 in (155 mm)	**Weight**	3.0 lbs (1.36 kg)

IR Source Lanyard

Battery Life	Up to 40 hrs (25 typical)	**Charging time**	About 4 hrs
Diameter	2 in (51 mm)	**Depth**	1.0 in (25 mm)
Weight	3.2 oz (91 g)	**Lanyard length**	24 in (610 mm)

System Mounting Weight

Mounted to Wall	15.3 to 16.4 lbs (6.95 to 7.45 kg)	**Mounted to Ceiling**	16.7 to 17.8 lbs (7.55 to 8.05 kg)
Weight varies depending on the video camera used.			

Environmental and Room Requirements

Operating temperatute	0 °C to +24°C (32°F to 75°F)	**Storage temperature**	-5° to +60° C (23°F to 140°F)
Operating humidity	15% to 80% RH (non-condensing)	**Storage humidity**	20% to 80% RH (non-condensing)
Lighting Restrictions	No natural or halogen-based lighting, no IR-based communication systems		

Video Camera – see specifications for the purchased camera