

Tech Spec

RoboTRAK

Presenter Tracking System

North America: 999-7270-000

Europe and UK: 999-7270-001

Australia and New Zealand: 999-7270-009



Features

- IR-based presenter tracking for medium to large rooms
- Designed for educators, in consultation with educators, using Vaddio's proven, industry-leading technology
- Reliable tracking: Move around, turn your head, invite others to the front of the room... the camera stays on you
- Switch between tracking and preset positions
- Camera sold separately – use with the RoboSHOT™ camera of your choice

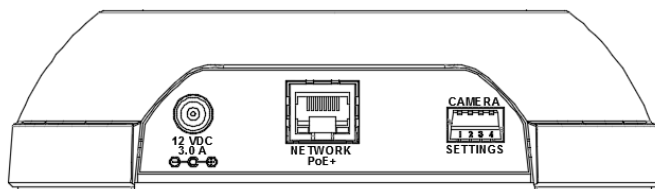
IR Camera

- Simple configuration and administration using the Vaddio web interface
- Adjust the system's tracking behavior to match the presenter's style
- Operational range of 12 to 50 ft (3.7 to 15.2 m), any height from 6 to 15 ft. (1.8 to 4.6 m)

IR Source Lanyard

- No belt pack – comfortable, highly wearable design that does not interfere with clothing
- Up to 40 hours of battery power; 25 hours typical
- Recessed switch for full power-down – Conserve battery life during storage; no risk of accidental actuation

Connectors



- **12 VDC, 3.0 Amp power connector** – Connect only the PoE splitter shipped with the camera.
- **Network/PoE+** – 10/100 Ethernet/PoE+ port allows the RoboTRAK™ IR camera to control the video camera, and provides access to the web interface.
- **DIP switches** – Factory use only.

What's Included

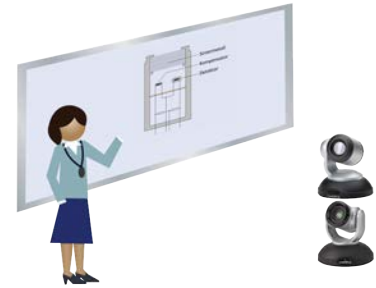
Each RoboTRAK presenter tracking system is shipped with these items:

- RoboTRAK IR camera with dual-camera wall mount
- RoboTRAK IR source lanyard
- 5 VDC USB charger with cable
- PoE+ injector with AC cordset(s) and Cat-5e cable
- PoE splitter with cables
- Quick Start Guide

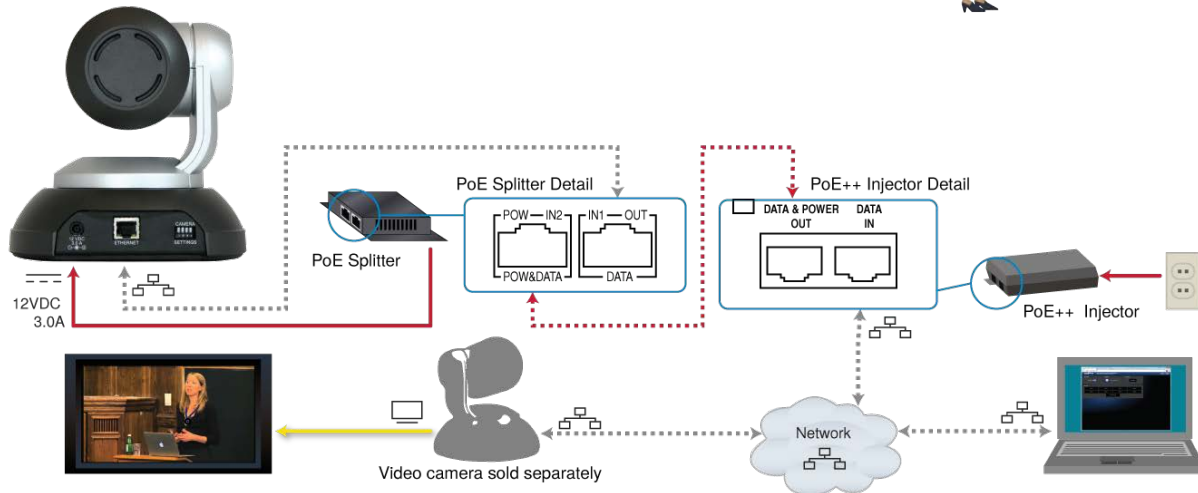
How It Works

Elements of the tracking system:

- **IR source** – The presenter wears an infrared signal source on a lanyard.
- **IR camera** – Follows the lanyard and directs the video camera.
- **Video Camera** (sold separately) – Follows the IR camera. Any RoboSHOT camera may be used as the video component of the RoboTRAK system.



Basic Connection Diagram



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) |
| <i>Weight varies depending on the video camera used.</i> | | | |

Environmental and Room Requirements

| | | | |
|------------------------------|---|----------------------------|-----------------------------------|
| Operating temperature | 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