AutoTrak 2.0
Automated Camera Tracking System

VADDIO

Vaddio's AutoTrak 2.0 Automated Camera Tracking System is designed for use in a variety of stand-alone presenter tracking applications, or used in combination with the Vaddio AutoPresenter and preset camera trigger devices such as StepVIEW mats, micVIEW and AutoVIEW IR sensors to trigger camera presets as part of a fully Automated Content Presentation System (ACPS).

The AutoTrak 2.0 introduces SmoothTrak and AutoTilt, the latest HD tracking system technology on the market. The presenter wears an IR lanyard that emits infared light, received by the IR PTZ reference camera. Video from the IR camera is sent to the AutoTrak 2.0 CPU, which tracks the IR Lanyard movement and issues RS-232 commands to the Tracking camera to follow the presenter. The new AutoTilt™ tracking feature follows the instructor as they move closer or further away from the camera. The combined pan and tilt action results in SmoothTrak, an accurate tracking motion that follows the presenter precisely and smoothly.

Added to the AutoTrak 2.0 system, is the AutoTrak POD, which enables the presenter quick access to three tracking camera presets. The rescan button allows the presenter to acquire the IR lanyard without having to walk in front of the IR Reference camera. The addition of this four-backlit POD provides the presenter with a valuable presentation control tool.

The AutoTrak 2.0 HD-18 PTZ Cameras are used for both IR and Tracking Cameras, providing multiple video format and resolution options. The system is packaged with the Quick-Connect DVI/HDMI SR Interface for the tracking camera that outputs HD video (YPbPr and DVI-D/HDMI) up to 100 feet from the cameras Cat-5e cables.

AutoTrak 2.0 also introduces a package that includes Vaddio's ClearVIEW HD-20 PTZ, HD-only camera, for the Tracking Camera, which provides a true native HD image of the presenter for the following resolutions: 1080p/30/25, 1080i/60/59.94/50fps, 720p/60/59.94/50. The HD-20 camera features superior image acquisition, color reproduction, clarity and separate/concurrent YPbPr and HDMI outputs. The HD-20 also provides smoother pan and tilt performance for AutoTrak 2.0.

The optional EasyTalk™ Wireless Audio Interface for the AutoTrak 2.0 enhances the audio capabilities and works in conjunction with the AutoTrak 2.0 IR Lanyard and Belt Pack. The AutoTrak 2.0 IR Lanyard's central medallion contains a high quality, unidirectional microphone. The belt pack uses an HD wireless transmitter with 2.4 GHz Frequency Hopping Spread Spectrum (FHSS) technology that can turn on or off. The 2.4GHz full frequency audio offers interference free operation and wideband sound quality.
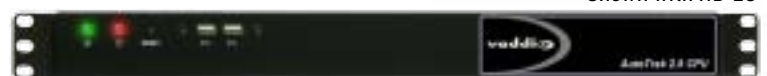
INCLUDES

998-7250-000 North America, 999-7250-001 Int'l *

- AutoTrak 2.0 CPU Camera Tracking Interface
- IR Lanyard with Unidirectional Microphone Element
- Battery Pack with Lithium-Ion Rechargeable Battery Unit (Powers IR Lanyard, Wireless Mic and Transmitter built into Lanyard and Belt Pack)
- AutoTrak 2.0 HD-18 PTZ Tracking Camera with AutoTrak 2.0 Software preloaded**
- AutoTrak 2.0 HD-18 PTZ Camera with IR Filters
- Dual HD-18 Wall Mount Bracket and hardware
- Quick-Connect DVI/HDMI SR Interface with DVI/HDMI and YPbPr HD video outputs
- AutoTrak POD
- Keyboard and Mouse
- Quick-Connect Interfaces (for Cat-5e cabling)
- Control Adapters and Power Supplies

* Shown with HD-20

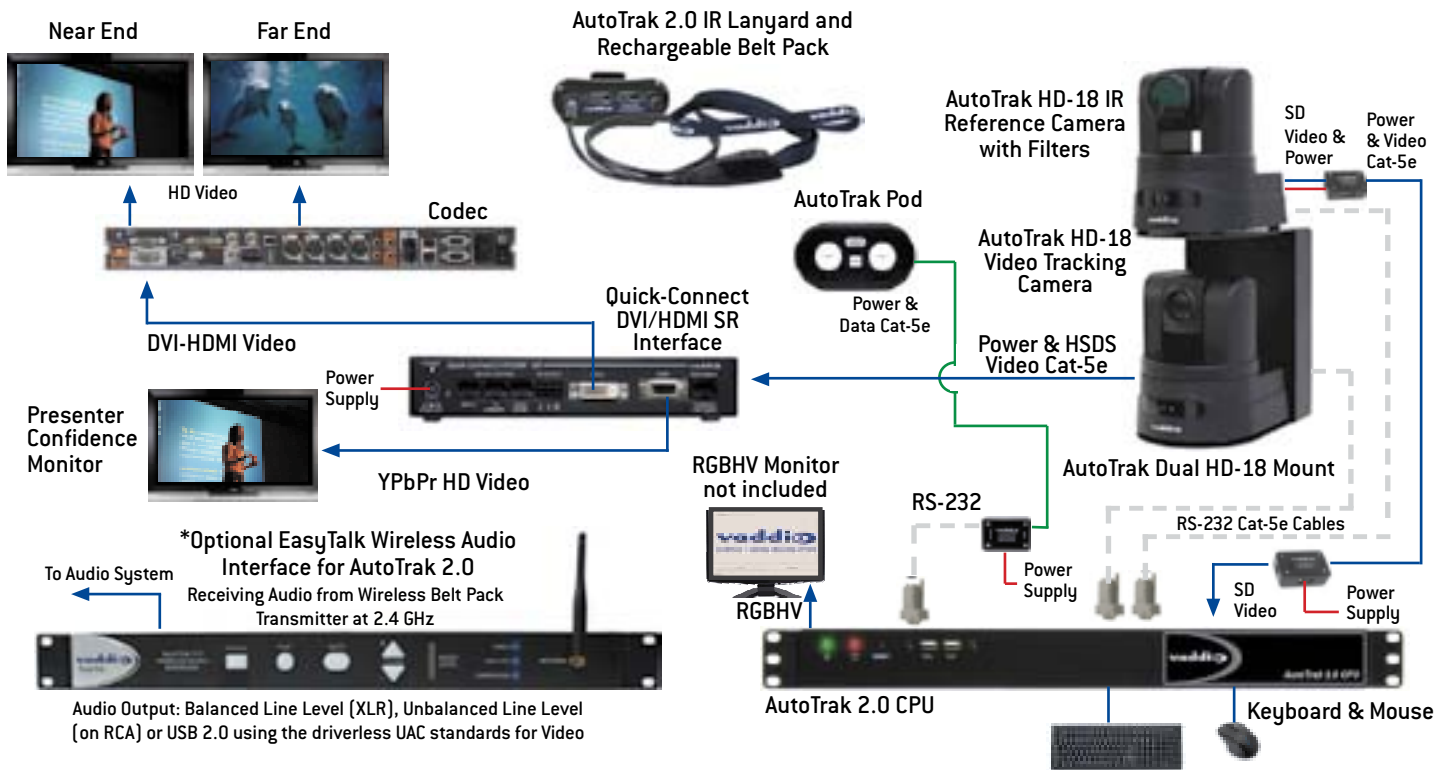*   International Systems include Euro and UK power cables.
**   For Systems 999-7260-000 North America and 999-7260-001 Int'l - Replace the HD-18 PTZ Tracking Camera with the HD-20 PTZ Tracking Camera

BASIC SYSTEM CONFIGURATION ICLUDES

**AutoTrak 2.0 System 999-7250-000 with Optional EasyTalk Wireless Audio Interface
(Belt Pack with 1" RP-SMA Antenna Transmitting Wireless Mic Audio at 2.4 GHz)**

Near End   Far End

AutoTrak 2.0 IR Lanyard and
Rechargeable Belt Pack

AutoTrak HD-18 IR
Reference Camera
with Filters

SD Video & Power   Power & Video Cat-5e

HD Video

Codec

AutoTrak Pod

AutoTrak HD-18
Video Tracking
Camera

DVI-HDMI Video

Quick-Connect
DVI/HDMI SR
Interface

Power & Data Cat-5e

Power & HSDS
Video Cat-5e

Power Supply

Presenter
Confidence
Monitor

YPbPr HD Video

AutoTrak Dual HD-18 Mount

RGBHV Monitor
not included

RS-232

RS-232 Cat-5e Cables

*Optional EasyTalk Wireless Audio
Interface for AutoTrak 2.0
Receiving Audio from Wireless Belt Pack
Transmitter at 2.4 GHz

To Audio System

RGBHV

Power Supply

SD Video   Power Supply

Audio Output: Balanced Line Level (XLR), Unbalanced Line Level
(on RCA) or USB 2.0 using the driverless UAC standards for Video

AutoTrak 2.0 CPU

Keyboard & Mouse

FEATURES

AutoTilt Automatic Presenter Tracking	Provides the ability to track the presenter and provide a smoother camera image as the presenter moves closer or further from the camera. AutoTilt provides a quicker response time to presenter motion, allowing the presenter to move around freely and naturally.
AutoTrak Pod	A four-push button pod that allows the presenter to select up to three (3) tracking camera presets and provides a rescan button which starts the rescanning for the IR Lanyard.
HD-20 HD PTZ as Main Tracking Cam	Using the Vaddio HD-20 as the Tracking camera provides true native HD imaging, smoother pan/tilt performance, color reproduction, clarity and HD YPbPr and HDMI outputs.
Automatic/Manual White Balance	Provides additional color (red and blue) controls, added to AutoTrak 2.0 software, to provide color matching of other cameras within the presentation room.
Lanyard with Belt Pack	The Belt Pack includes a rechargeable Lithium-Ion Battery to provide extended hours of operation and can be charged with the micro USB Power Supply or plugged directly into a computer USB port for recharging. The IR Lanyard contains the IR LEDs, which the IR Reference camera tracks. The Belt Pack provides power to the IR Lanyard and the Wireless Microphone Transmitter built into the Belt Pack. The IR Lanyard and the Belt Pack are ready to be used with the Optional EasyTalk™ Wireless Audio Interface for the AutoTrak 2.0 for high quality voice support.
Optional EasyTalk™ Wireless Audio Interface	The EasyTalk™ Wireless Audio Interface for the AutoTrak 2.0 works with the high quality unidirectional microphone built into the IR Lanyard and the HD Wireless 2.4 GHz. Frequency Hopping Spread Spectrum (FHSS) Transmitter that is built-in to the Belt Pack.
	The EasyTalk™ Wireless Audio Interface for the AutoTrak 2.0 features analog audio outputs and a driverless USB 2.0 audio interface for use with soft client conferencing systems or PC lecture capture applications. Includes easy to use front panel controls of volume, mute and pairing and simple dip switch settings for DSP functions. It also incorporates AGC (automatic gain control), EQ (equalization), compression and mic filtering and simple dip switch settings for DSP functions.

SPECIFICATIONS

Part Numbers	AutoTrak 2.0 Dual HD-18 Kit with Quick-Connect DVI/HDMI Interface; North America 999-7250-000
	AutoTrak 2.0-HD-18 and HD-20 Kit with Quick-Connect DVI/HDMI Interface; North America 999-7260-000
	AutoTrak 2.0 Dual HD-18 Kit with Quick-Connect DVI/HDMI Interface; International 999-7250-001
	AutoTrak 2.0-HD-18 and HD-20 Kit with Quick-Connect DVI/HDMI Interface; International 999-7260-001

AutoTrak 2.0 Rechargable Belt Pack and Lanyard

Battery Type and Size/Battery Life	Rechargeable Lithium Ion Battery Pack, Up to (8) hours with full charge
Connectors	5-Pin mini XLR-M for Lanyard, RP-SMA connector for 1" (25.4mm) antenna
Battery Pack Size/Weight	4.5" (114.3mm) Hx3.0" (76.2mm) Wx 1.25" (31.75mm) D/0.5 lbs (0226796185 kg)
Lanyard Medallion Features	Mic Element connected to Belt Pack for Wireless transmission to Optional EasyTalk AutoTrak 2.0 Wireless Audio Interface
Lanyard Weight with Cable	0.15 lbs (0.0680388555 kg - roughly)

AutoTrak 2.0 CPU (1-RU rack mount)

Proccessor /Graphics	Intel® Atom™ Dual Core Processor with Intel Graphics Media Accelerator
RGBHV Output	One (1) DE-15-F (15-pin HD) Connector (resolution limited to 800 x 600 @ 60 Hz) for Menus
DVI-D Output	One (1) on DVI-D Connector (resolution limited to 800 x 600 @ 60 Hz) for Menus
Video Card/Memory/Storage	Internal with 3-RCA-F and 1-Y/C-F Connectors , 1GB DDR2, 16GB Compact Flash
RS-232 Interfaces/USB Ports	Four (4) RS-232 on DB9-M / Six (6) USB 2.0 Ports
Power	110V -240V, 50/60Hz Switching Power Supply (internal)

AutoTrak HD-18 Cameras for 999-7250-000 and 999-7250-001 Systems

Image Sensor	1/3-Type CCD, 1.3 Megapixel
Signal Systems	HD: 1080i/59.94/50, 720p/59.94/50; 1080p @ 60/59.94/50/30/25;, SD: Composite 480i NTSC or 576i PAL
Lens/Horizontal Viewing Angle	18x Optical Zoom / 3.2 to 55.2 degrees (16:9)
Pan Range/Tilt Range	+170 degrees to -170 degrees / +90 degrees to -30 degrees
Dimensions (H x W x D)/Weight	8.55" (217.2mm) H x 6.748" (171.4mm) W x 7.134" (181.2mm) D / 5.8 lbs (2.63 kg)

AutoTrak HD-18 Cameras for 999-7250-000 and 999-7250-001 Systems

Image Sensor	6.49mm diagonal (1/2.8 Type) 3.27M pixels Exmor High-speed CMOS Image Sensor
Signal Systems	1080i/59.94/60/50, 720p/59.94/60/50, 1080p/30/25 (SD Resolutions not Supported)
Lens/Horizontal Viewing Angle	20x Optical Zoom Lens with HiLD™ (High Index Low Dispersion) Glass, F1.6 Wide to F3.5 Tele, 11-Elements in 9-Groups
Pan Range/Tilt Range	Pan: +170 degrees to -170 degrees, Tilt: +90 degrees to -30 degrees
Dimensions (H x W x D)/Weight	7.81" (198.37mm) x 6.67" (169.42mm) x 7.057" (179.25. mm) / 5.6 lbs. (2.63083592 kg.)

Optional EasyTalk Wireless Audio Interface for AutoTrak 2.0 - 998-7230-000 (North America) 998-7230-001 (International)

Audio Outputs	Balanced Line Level (on XLR - M connector) , Unbalanced Line Level (on RCA-F connector) , USB 2.0 (driverless UVA standard)
Power Supply/Connector	12 VDC, 1.0 Amp Switching Supply, 5.5mm OD x 2.5mm ID
Dimensions	1.72" (43.688mm) H x 18.93 (480.822mm) W x 6" (152.4mm) D

Touchboards

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