



# Precision Stagetracking for sound, light and media control



**TiMax TrackerD4 Precision Stagetracking of performers liberates your event production allowing sound, lighting and video designers to focus on the creative**

Dual-mode UWB RF tracking technology massively reduces errors caused by reflections, body blocking and scenery obstruction

Rehearsal times are slashed by eliminating lengthy cue blocking to follow the action

Multiple sensor viewpoints add redundancy - only two Sensors need to see a Tag for precise and reliable 3D tracking to be achieved

Immersive spatial audio localisation is precise and totally automatic leaving the sound engineer to concentrate on the mix and the show

Drives TiMax SoundHub, Soundscape, L-ISA, GrandMA, disguise, ETC Eos, integration with StagePrecision GmbH advanced lighting and media control

UWB RF fast precision tracking indoors and outdoors

Dual-mode Angle(AoA) and Time(TDoA) of Arrival analysis

Multi-sensor redundancy to see round corners

Miniature performer tracking tags worn almost anywhere

Long battery life up to three months between changes

Rapid sensor deployment with straightforward calibration

Backup and multi-scene Tag management

Interfaces to OSC, PosiStageNet, sACN\*, Art-Net\* (\*via StagePrecision integration)

Enhanced ROI potential across audio, lighting\* and media control\*

Affordable entry-level and scalability in one system

### TTd4 Tag

Miniature omni-directional UWB body-worn transmitter, range 50-80m

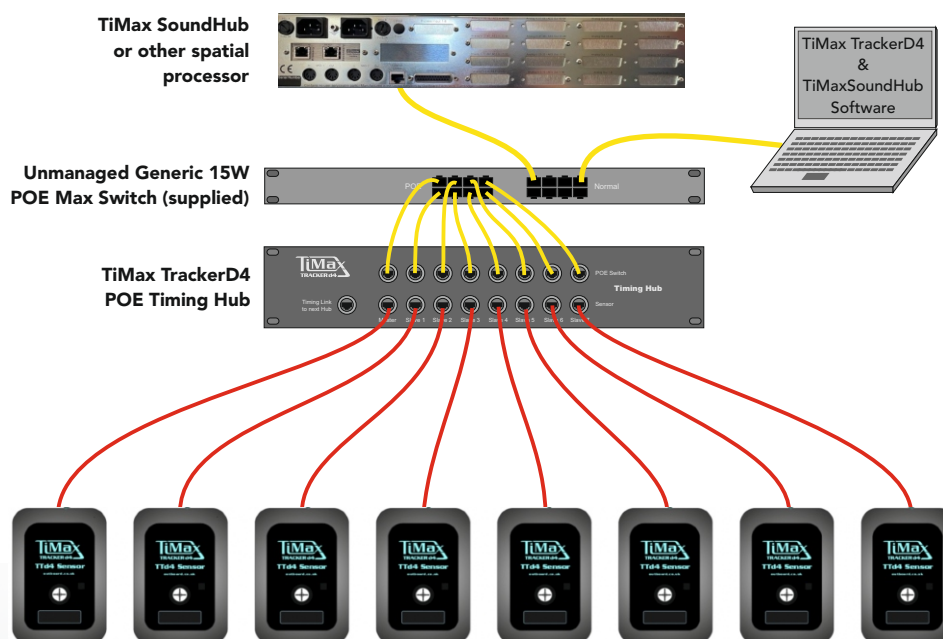


### TTd4 Sensor

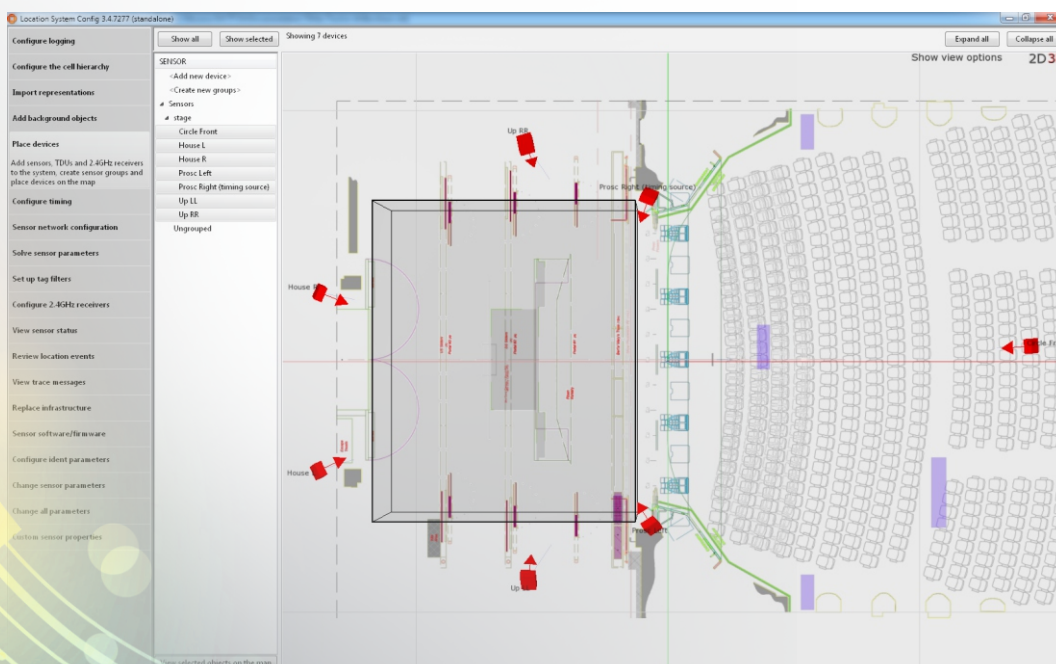
Fully weatherproofed UWB AoA and TDoA receiver antenna. View 140W x 90H degrees



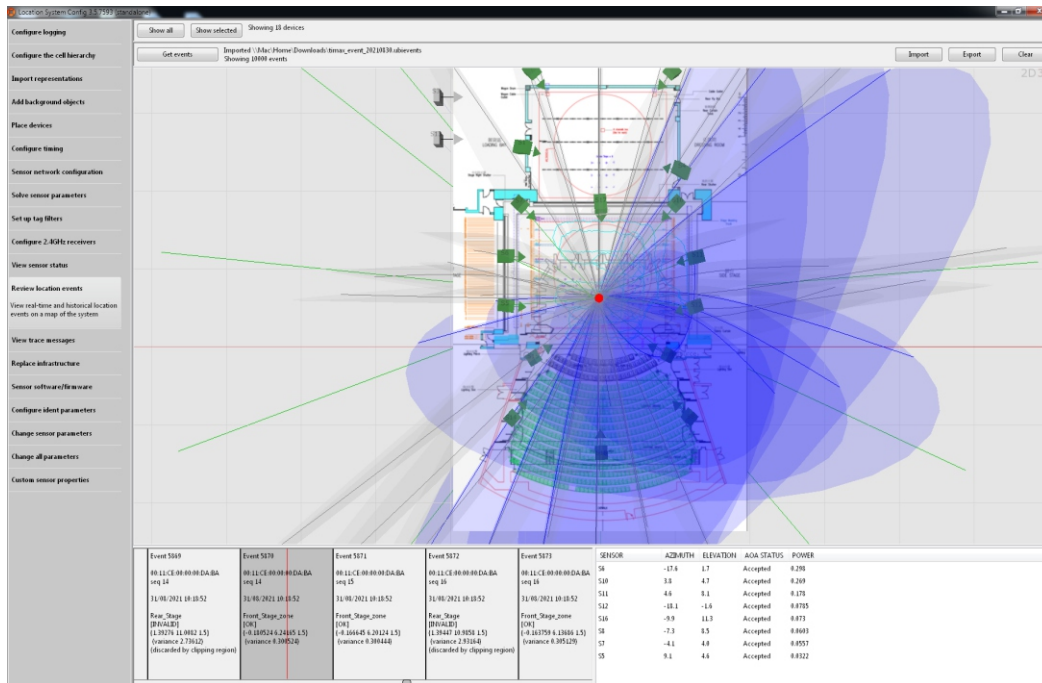
### System Patch



### Sensor Locations



## Location Engine



Tracked area dimensioning

Tracked area visualisation

Sensor location entry

Sensors Auto-Calibrate

AoA and TDoA analysis

Tag performance monitor

Tag Filter adjustment

## Tracker Translate

Tracking source selection

Tracking output selection

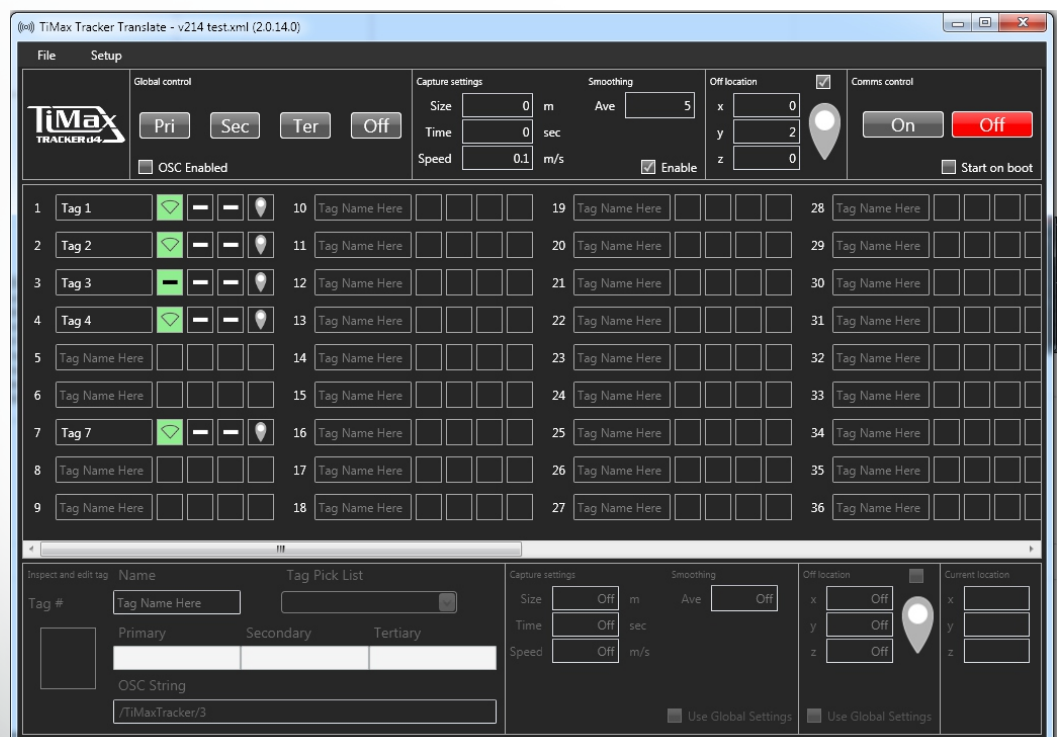
Tag discovery and QoS

Tag OSC control output

Tag name & management

Tag Smoothing adjustment

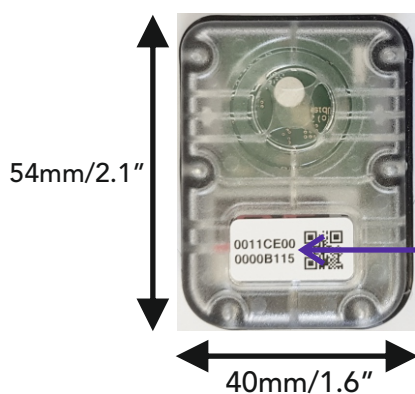
Tag Capture adjustment



# TiMax

## TrackerD4 Specifications

**TTd4 Tag**



Thickness:  
14mm/0.55"

Tag ID

**TTd4 Sensor**



Thickness:  
90mm/3.5"

Sensor  
MAC  
Address

150mm/5.9"

220mm/8.7"

40mm/1.6"

(NOT TO SCALE)

## Specifications

Sensor 220 x 150 x 90mm (8.7" x 5.9" x 3.5"), 1.1Kg (38.8oz), IP69K, 15W MAX POE

TTd4Tag 54 x 40 x 14mm (2.1" x 1.6" x 0.55"), 35g (1.2oz), IP69K, LTC-7PN lithium cell

Tag Battery LTC-7PN lithium cell, non-rechargeable, typical 3 months life (10Hz rate)

Tag refresh rate 10Hz (standard) to 20/30/50Hz (factory-set), up to 40 tags simultaneously

Sensor/Tag range up to 80m (260'), tracking accurate to 10cm (4") in 3-dimensions

Sensor redundancy minimum two Sensors need to see the Tag, typical system 6 or 8 Sensors

Sensor individual field of view 140H x 90V degrees

Temperature, Humidity Sensors -40C to 65C (-40F to 149F), 0-95%

Tags transmit UWB RF over 6-8GHz range IEEE802.15.4f compatible

Certifications US: FCC Part15 ClassB, Canada: RSS-GEN, RSS-210, RSS-220, EU: CE

Connection Ethercon CAT5e UTP or higher, 80m max each Sensor to TTd4 POE Timing Hub

POE Timing Hub (2U 19" x D15cm) with Ethercons + 1U POE Switch with 16 x RJ45

Manufacturer reserves the right to change specifications at any time without notice