

mo-sys

StarTracker Mini

Absolute precision for smaller studio spaces

The ultra-compact camera tracking solution with zero-drift, absolute accuracy and set-and-forget reliability. StarTracker Mini delivers the industry-leading accuracy and reliability of the StarTracker Classic to content creators, in-house studios, and educators

- Industry leading accuracy with Mo-Sys' patented 'absolute' star tracking system
- No need for time consuming recalibration
- Lightweight and ultra-compact design
- All-in-one unit with no external processor
- User friendly, browser-based interface



Big visions, smaller studio spaces

StarTracker Mini is optimised for use in more confined spaces that lack the ceiling height of full-scale studio facilities served by StarTracker Max. Immune from occlusion and blind spotting often experienced by 'relative' tracking systems such as vSLAM, StarTracker Mini provides the 'absolute' tracking of spaces up to 10m x 10m with appropriately sized and spaced stars.

Industry-leading 'absolute' tracking

Absolute tracking captures the most precise tracking data possible, with a constellation of retroreflective markers arranged to create a unique map of the shooting space. Absolute tracking also delivers ultra-fast star map discovery with zero drift accumulation, unlike vSLAM-based systems that track environmental features 'relatively', which can result in errors and positional 'drift' over time.

All-in-one, ultra-compact solution

With all processing handled on board, and no external processor required, the StarTracker Mini delivers the industry leading reliability of the StarTracker Classic in an ultra-compact, all-in-one unit.

Set-and-forget professional tracking

StarTracker auto alignment technology simplifies set-up and ensures ultra-precise studio calibration. Once set-up, StarTracker Mini is fully autonomous with no need for costly, time-consuming daily re-calibration. With rapid star map discovery, and simple barrel power inlet, StarTracker Mini sets a new standard for set-and-forget professional tracking in smaller studio spaces.

Comprehensive tracking capabilities

StarTracker Mini delivers 6-axis tracking including lens zoom and focus for comprehensive data capture suitable for any camera mounting, including: pedestal, jib, Steadicam and handheld.

Unrivalled pedigree

Mo-Sys invented 'simple-to-use' marker-based optical camera tracking for Virtual Production. The resulting product, StarTracker, became the world's best-selling absolute tracking solution for Broadcast, HETV and Film. StarTracker Mini features redesigned and miniaturised hardware that leverages Mo-Sys' enhanced algorithm to produce Mo-Sys' most compact absolute tracking solution available - an ideal solution for smaller in-house studios, as well as corporate and education facilities.

Technical Specifications	
Max Ceiling Height	4.5m
Max Studio Space	10 x 10 m (800 stars)
Tracking Stars Configuration	Ceiling, wall or floor mounted retro-reflective stickers
Sensor Unit Dimensions	6 x 6 x 8 cm
Weight	400g
Supply Voltage	12 - 32 V DC
Axes Tracked	6DOF position & rotation + zoom & focus (iris optional)
Angular tilt/roll range	+/- 45 deg *subject to sufficiently visible stars
Camera Mounting	Any (ped, jib, steadicam, handheld)
Lenses encoded	External encoders with Canon, Fujinon, or film gear wheels
LED ring wavelength	850 nm (IR)



mo-sys

Virtual Production Solutions
Camera Tracking and Robotics
Virtual Production Academy

Specialists in Camera Tracking, Virtual Production Solutions, Image Robotics and Training, Mo-Sys has over 25 years of industry experience innovating, manufacturing and delivering robust and reliable solutions to the film and broadcast industry.



www.mo-sys.com



info@mo-sys.com



+44 208 858 3205
+1 424 374 4011