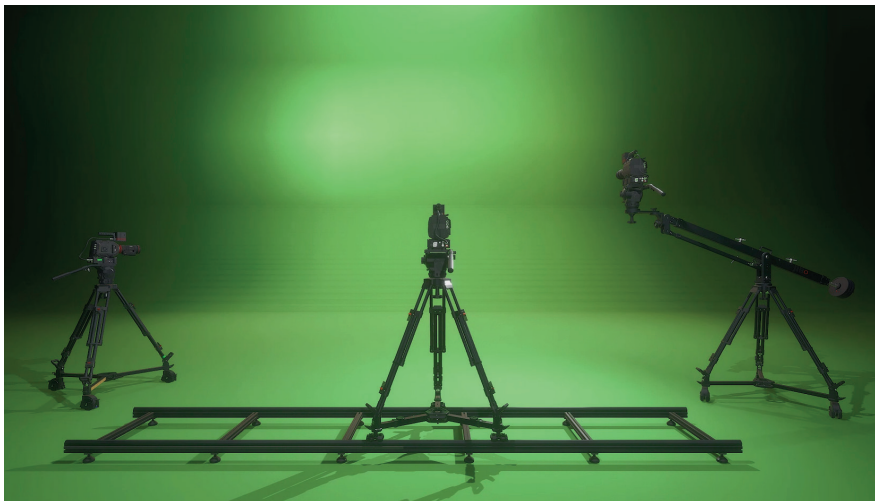# StarTracker Studio

The first pre-configured complete virtual studio system

StarTracker Studio

The first pre-configured complete virtual studio system

- 3-camera 4K virtual studio system – expandable to 16 cameras.
- Pre-configured system with pre-calibrated lenses.
- 1 vendor for supply, installation, training, and support.
- 1 day installation.
- No additional virtual studio compositing software required.
- Works with LED wall studios or green studios.
- 4K recorders included – shoot live to air, or record for post-production.
- Includes Mo-Sys Beam In technology – include remote guests in a virtual studio.
- Uses Unreal Engine 4 (UE4) - the market leader in photo-realistic graphics engines.
- Suitable for live broadcast/streaming, real-time film workflows, and rapid reaction social media video.

StarTracker Studio

The first pre-configured complete virtual studio system

What is it?

In a crowded market it's increasingly important for companies to create compelling and differentiated video content, whether it's for brand exposure, to sell a product or service, or to train or educate.

It's one of the reasons why **virtual studios** are increasingly favoured over traditional physical studios, but there are other reasons too:

- transforms a small physical studio into a much larger virtual studio
- adds significant production value to the appearance of a studio
- removes physical set building costs
- enables almost instant studio set changes
- adds the ability to include remote guests in the virtual studio
- enables augmented product placement

For companies outside the broadcast industry, the cost and complexity of putting a virtual studio together, installing and setting it up correctly, and then managing it as an on-going concern, can make this a difficult option to choose.

StarTracker Studio

The first pre-configured complete virtual studio system

Mo-Sys, as the world leader in precision camera tracking solutions, has created a complete virtual studio solution geared to corporates and enterprises, that makes acquiring, setting up and using a virtual studio, simple and cost-effective.

This is a pre-configured high-performance 4K solution. All of the complex integration issues have been taken care of, enabling setup and deployment to be as simple as possible. The system provides 3x tracked cameras; one on a rolling tripod, one on rails, and one on a jib, to give customers the variety of shots they will need. It also includes smart technology to save on costs or to add production value, including:

- **direct connect graphics plugin** - direct connection into the UE4 photo-realistic graphics engine, removing the need to purchase additional virtual set software licences for each camera
- **smart switching** – only one keyer module is used for all three cameras, removing the need to purchase a keyer module for each camera
- **remote talent inclusion** – using our Beam In technology, the ability to bring remote talent into a virtual set, when it's not possible to get them to the studio

The system has been designed to incorporate the very latest in photo-realistic graphics capability, including:

- **ray tracing** (hyper realistic reflections)
- **occlusion handling** (talent can walk in front and behind a virtual object)
- **soft shadows** (lighting realism)
- **depth of field** (emulating physical lens effects)
- **reflection mapping** (talent reflections on adjacent virtual objects)

mo-sys
CAMERA MOTION EXPERTS

StarTracker Studio

The first pre-configured complete virtual studio system

Mo-Sys understands that companies new to virtual production, will need help and expertise installing and setting up the system, training staff, and accessing on-going product support. With this in mind, Mo-Sys will be using a newly developed interactive remote service and diagnostics system, that will make support and training simple for customers to access.

The experience Mo-Sys has accumulated over the years working with customers such as BBC, Sky, Fox, ESPN, CNN, The Weather Channel and Netflix, has enabled Mo-Sys to create an all-in-one virtual studio solution where all of the typical virtual studio issues have been resolved, and all of its accumulated expertise has been engineered in.

Combined with a highly attractive price, and our extensive support services, the Mo-Sys StarTracker Studio is the smart way to deploy a virtual studio in your organisation.

Who is it aimed at?

- **Corporate / Enterprise** – for creating branded video content for sales, marketing, training, and promotion
- **Media entities** – to create multi-format virtual content across multiple genres
- **Events companies** – to provide additional behind the scenes talent content, supporting live events
- **Graphics houses** – to provide a complete rental solution for deploying in-house virtual set designs
- **Sports clubs** – for creating additional player content for conditional access video channels
- **Radio stations** – to create web based video content featuring studio guests
- **Regional TV stations** – for more compelling news and weather programming

mo·sys
CAMERA MOTION EXPERTS

StarTracker Studio

The first pre-configured complete virtual studio system

What is included?

3-camera StarTracker Studio

- 3x BMD Ursa Mini 4.6K G2 cameras with 3x pre-calibrated Canon 18-80mm zoom lenses
- 2x high performance Lenovo i9 9900K PCs with Titan RTX GPUs
- 3x Mo-Sys StarTracker 6-axis camera tracking units
- 1x StarTracker Manager – controls all StarTracker units via a single interface
- 3x Mo-Sys VP Unreal Engine 4 plugins
- 1x camera jib, 1x rolling camera tripod, 1x camera rail set
- 1x Ultimatte keyer
- 1x BMD 8-channel ATEM Television Studio Pro 4K video switcher
- 3x BMD 4K video/data recorders
- 1x Mo-Sys Beam In kit for bringing remote guests into the virtual studio
- 1x 8-channel audio mixer + 3x radio microphones
- 1x pre-wired 19" fl ight-cased rack

For more information

✉ sales@mo-sys.com

🌐 www.mo-sys.com

mo-sys
CAMERA MOTION EXPERTS