mo-sys

CAMERA MOTION EXPERTS

StarTracker® PTZ

StarTracker add-on for PTZ cameras delivering studio-wide camera tracking

'Reveal the full 3D space of your virtual studio by adding 4 more axes of camera tracking'

Panasonic BUSINESS

Key Features

- ***Positional camera tracking –*** adds and merges XYZ positional tracking data to the 4K PTZ camera's PTZ+focus tracking data, enabling full 3D 6-axes camera movement in a virtual studio.

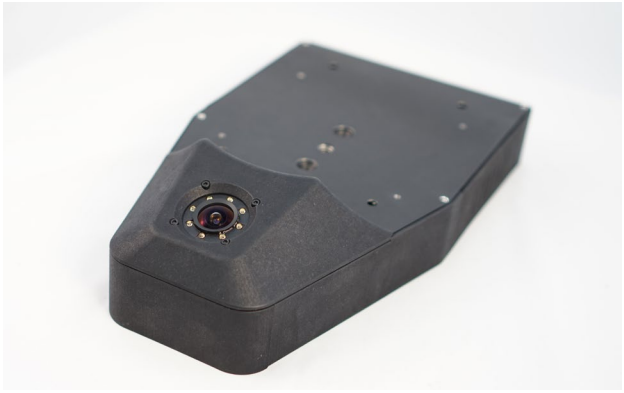
- ***Customized wrap-round StarTracker unit –*** an aesthetically pleasing design that fits around the 4K PTZ camera unit, enabling the full range of camera movement and zoom control.

- ***Direct attachment to jibs, dollies –*** simple mounting to tripods, jibs, dollies, and rails, without a traditional camera head.

- ***Manual movement/remote PTZ –*** manually change static or dynamic (jib, dolly, rails) camera positions freely, whilst a second operator uses the remote PTZ controls.

- ***Remote movement/remote PTZ –*** mount the StarTracker PTZ and 4K PTZ camera on remote controlled jibs, dollies, or rails for single operator 6-axis remote control.

- ***Remote Configuration –*** use StarTracker Studio Manager to remotely set up and adjust multiple StarTrackers using a single interface.



Product Description

The **Mo-Sys StarTracker PTZ** is a StarTracker add-on for the new generation of 4K PTZ cameras, which come with integrated 2-axes of tracked camera movement (pan and tilt), plus zoom and focus data.

The new 4K PTZ camera/head combinations provide tracking on 2 axes of movement, enabling panning and tilting in a virtual studio, but from a fixed point only. Only when you move a camera linearly do you reveal the true 3D space of your virtual studio, through parallax and perspective changes. When viewers can see foreground objects move faster than background objects as a camera moves laterally, then they can sense the true 3D space of the virtual studio. This is what **StarTracker PTZ** provides.

The **StarTracker PTZ** operates by combining the 2 axes of tracked data from the PTZ camera, with the roll plus XYZ positional data it generates itself, and outputs the full 6 axes of movement data to the virtual studio software. As a result, the virtual set experience for the viewer becomes more compelling and immersive.

The combined **StarTracker PTZ** and 4K PTZ camera, can be moved manually or remotely using rails, jibs, or cranes. Because the tracking in **StarTracker PTZ** is absolute, the camera's position in the virtual set is always known, and it never requires 'homing' on power-up.

What's in the box?

Package includes:

- Monitor
- Power Supply
- Keyboard with trackpad
- Monitor Power Cable
- HDMI Cable
- WiFi Dongle

Optional Extras

Mo-Sys Jib Control Device

In order to mount the StarTracker PTZ and 4K PTZ camera on a jib, and to operate the camera from the end of the jib, Mo-Sys have developed an interface box that allows full pan, tilt, zoom and focus control, using industry standard Jimmy jib input devices. This creates a highly cost-effective jib package with a remote head and 6 axes tracking for virtual studios and augmented reality.

StarTracker PTZ with Panasonic AW-UE150 on a Mo-Sys Jib

Control Interface

System Information

StarTracker PTZ

StarTracker PTZ Sensor	Infrared (850nm)
Power Input	DC 12V 3A over 4-Pin XLR
Data Output	Mo-Sys F4 or D1 over IP
Monitor	135 x 90 x 15 mm
Magic Arm	100 x 50 x 50 mm
Wireless keyboard/trackpad	380 x 160 x 40 mm
USB Wifi dongle	100 x 20 x 20 mm
Monitor power cable	80 mm
12V 3A power supply unit	150 x 60 x 50 mm

Mo-Sys jib Control

Power	12V 0.5A over 4-pin XLR
Network	Ethernet over RJ45 - used for PTZ head control over IP
Dimensions (jib control box)	67 x 147 x 235 mm

For more information

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