



AN-I—SmartPed with external third-party VR/AR tracking camera



AN-S—Fully integrated navigation camera

Reference-free Navigation

SmartPed has proven itself to offer exceptional performance in real-world studios all over the world, in use day after day for live news and sports broadcasts. Its navigation system is based on precision encoded sensors monitoring every minute turn of the wheels to calculate the new XY position, relative to the home tile.

Depending on the style of production, and environmental factors such as the flow, the pedestal will occasionally require re-referencing, and always after power-on. Re-referencing is done by returning to the home tile.

This homing process may not be convenient in all cases and broadcasters may wish to avoid any type of home tile on the studio floor. In these cases SmartPed's Absolute Navigation System option is ideal.

FEATURES

- Eliminates home tile and manual referencing
- Third party (AN-I) or fully integrated (AN-S) tracking
- Highly accurate, on-air shot positioning
- No impact on existing VR tracking system
- Compatible with industry standard tracking systems (e.g. StarTracker, RedSpy)

Absolute Navigation is available in two configurations:

AN-S – Where no external optical tracking system is in use, SmartPed may be supplied with a fully integrated tracking system including mini-camera and processor to calculate the pedestal's precise position while moving freely around the studio.

AN-I – IN VR studios where an existing, third party optical tracking system is in use, SmartPed's AN-I system 'listens' to the VR tracking data and maintains a permanent reference position at all times.

AN-I is compatible with any third party tracking system producing the industry standard 'Free-d' tracking protocol.

In both cases SmartPed does not require any home tile, and will be immediately referenced once tracking data is received from the optical system.

APPLICATIONS

**NEWS, SPORTS, AND CURRENT AFFAIRS
VIRTUAL STUDIOS**

SPECIFICATIONS

TRACKING SYSTEMS

Absolute optical tracking.

Mo-Sys StarTracker®

Stype RedSpy®

INPUT PROTOCOL

'Free-d' VR Protocol over IP