

Studio Camera Tracker

ImageTracker IS-900 SCT

3D Virtual Production

The IS-900 SCT delivers streamlined, high performance and affordable 3D studio camera tracking.

Using traditional free roaming camera trackers to do the things you want to do used to be prohibitively expensive and restrictive. The IS-900 SCT solution enables you to gain all the freedom of traditional camera moves without blowing your budget or compromising your production values.



InterSense, with its virtual production partners, provide the IS-900 SCT solution. Combining inertial and ultrasonic tracking technology to deliver outstanding wide area tracking, now making 3D virtual production an affordable and practical option for most studio budgets.

IS-900 SCT offers three camera tracking plus options such as the Tracking Stylus for locating and digitizing element positions on the set; The Tracking Wand that allows technical directors to call up pre-produced computer graphics and position them prior to a shot and the unique 3-D View Finder that enables the director to immerse himself into the Virtual set, position digital elements and demonstrate how these elements will interact prior to it being shot.

The IS-900 SCT and its options makes it ideal for virtual sets for live or recorded broadcast, virtual set design, set pre-visualization, web productions, hand held shots, film & video post-production and many more applications besides.



Product Specification

Degrees of Freedom	6 (Free Roaming)
Resolution	Typical
Position (X/Y/Z)	1.5mm RMS
Angular (P/R/Y)	0.05° RMS
Stability	Typical
Position (X/Y/Z)	4mm RMS
Angular (P/R/Y)	0.2°, 0.4° RMS
ENG lens encoders	approx 20,000 counts/revolution (lens dependent)
Max serial rate	115.2 kboard
Genlock Options	NTSC, PAL TTL (24-120 Hz) Programmable Internal or external Sync
Latency	4 -10ms
Interface	RS -232 Ethernet option through PC server
Protocol	Industry Standard SDK available
Virtual Interfaces	Vi[z]rt Kaydara Brainstorm ForA Dayang
Standard Tracking Vol	6 ER SoniStrips at 4m high 20m ²
Max Tracking Area	98 ER SoniStrips at 4m high 326m ²

Max SoniStrips	98 with 3 tracking devices
No of Tracking devices	3 (>3 consult factory)
Station Cable Length	10m standard 5m extension (optional)

Dimensions

Base Unit	0.45m x 0.305m x 0.101m
Long SoniStrip	1.83m x 0.037m x 0.022m
Power	100-240 VAC, 100W

Standard Configuration

IS-900 IT Processor
Camera Tracking Head
6 Extended Range SoniStrips
1 ER SoniStrip Hub
ENG Lens Zoom/Focus Encoders
ENG Camera Mounting Kit

Expansion Options

Universal Film / Video Encoder &
Mounting Kit
Tracking Area Expansion Kits
Additional Tracked Devices
- Camera Tracking Head
- Stylus (2 buttons)
- Wand (5 buttons / joystick)
- MiniTrax Talent Tracker
- MiniTrax Hand Tracker
- 3D Directions Viewfinder
- Auto Depth Keyer

FOR FURTHER INFORMATION PLEASE CONTACT:

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InterSense

or visit www.isense.com or e-mail tracker@isense.com