



PRODUCT INFORMATION

TraXync system





—— Smart Interaction, Immersive Visual Experience

TraXync system is an innovative interactive control solution designed for professional stage environments such as theaters, concert halls, and live performances.

Real-Time Computing & Wireless Coordination

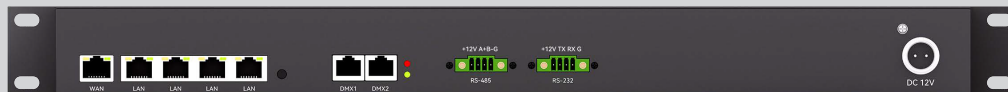
Powered by AI algorithms, wireless sensing, and computing technologies, the system delivers fluid stage performances with perfectly synchronized lighting effects, creating unprecedented audience immersion.

Smart Automated Operation

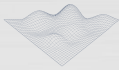
Traditional tracking systems rely on manual operation, which is subject to human experience and requires high levels of skill and concentration. The TraXync system reduces dependency on human operators, cuts labor costs, and significantly improves precision, stability, and adaptability.

Multi-Dimensional Integration

The system supports not only lighting tracking but also integration with immersive sound and video servers for synchronized audiovisual tracking. Easy to set up—only 5 overhead sensor bases enable full-stage 3D positioning.



Rear Panel Diagram



FEATURES

- **Tracking Range:**

Up to 500m radius coverage with a refresh rate of 100Hz, supporting tracking of up to 200 objects simultaneously.

- **Smart Control:**

Supports PosiStageNet, ArtNet, DMX, and OSC protocols, enabling seamless integration with mainstream international lighting consoles, immersive audio servers, and video servers.

- **Multi-Dimensional Interaction:**

Delivers flexible multi-object, multi-fixture tracking by combining audio and lighting synchronization — perfectly suited for dynamic live performances.

- **AI-Powered Precision:**

Dual-beacon ultra-high-accuracy correction algorithms deliver precise interaction and positioning data for stage performances. The system automatically adjusts spotlight aperture based on the real-time location of tracked subjects.

Application Scenarios:

Theaters, Concert Halls, Live Shows, Cultural Tourism, Award Ceremonies,Fashion Shows, TV Productions, Film Shoots.

Model: TraXync system

Processor:	Intel 64bit 2core CPU	Storage:	8GB RAM, 128GB SSD
Control Channel Number:	1*RS485, 1*RS232	Supported Protocols:	OSC, RS485, RS232, UDP,Artnet, DMX512
DMX512:	1024(2*RJ45)		
Artnet Input:	16 Universes	Artnet Output:	16 Universes
Video Interface:	1*HDMI	USB :	2*USB2.0
Network Interface:	1*WAN, 6*LAN	Power Supply:	DC12V-3A
Weight:	3.3kg	Dlmentions:	482mm x 248mm x 46mm

