



ALBION

Light the way.

The next dimension of 3D tracking.

KEY FEATURES

ALBION provides **near-instant, automatic initial calibration for video cameras and projectors**. Once calibrated, ALBION can maintain **perfect image alignment in real time**.

ALBION was built with scalability in mind and will accurately **track objects in virtually any space, big or small**.

ALBION **tracks IR emitters in 3D at 240 Hz** using infrared cameras, providing **position, speed and acceleration vectors** so you can **detect the location, orientation or shape change** for any kind of prop, set element or costume.

Data generated by Albion can be tied to our Graph FX module, an **internal visual programming environment** that will allow you to **project on moving surfaces, trigger cues, control moving lights and drive interactive visual effects**.

Albion can relay its data to **professional lighting equipment** such as the industry-leading GrandMA 2 lighting console through the widely used **Art-Net** or our own **PosiStageNet**, an open standard protocol.

Once connected to Albion, **moving lights' pan, tilt, zoom and dim parameters** are exposed in our control interface and **performers fitted with optical markers can be followed automatically**.

Albion's **Auto Zoom and Auto Fade Out** functions will maintain light beam consistency and cut the light if the fixtures enter pre-programmed 3D zones on the stage or when they reach their pan/tilt limits.

Virtual or physical 3D objects can be set as blockers, which will cause lighting fixtures or video projectors to fade out when pointed at them. Albion will **automatically protect video projection surfaces from getting washed out by any kind of fixtures**.

TECHNICAL SPECIFICATIONS

Supported tracking camera

Optitrack
Prime13, Prime13W, Prime 17W
Prime41, Slim13
(allows M12 and C-mount lenses)

Tracking distance

5m to 120m
(depending on the lenses)

Network

2 x 10 Gbps
2 x 1 Gbps Ethernet connectors

Storage capacity

8 x to 22 x SSD | RAID Configuration
SSD models: 960TB / 1920TB / 3840TB
Default: 6.1TB | 8 x 960TB SSD
Max: 73.3TB | 22 x 3840TB SSD

Chassis

Unit size

Width: 434 mm
Height: 90 mm
Depth: 754 mm

Case

2U Rackmount

Weight

22.2kg

Electrical & Operating

Line Voltage

100-240V AC Auto Switching
50-60Hz

Power Consumption

500W

Heat

Max 1700 BTU/h

Operating Temperature & Humidity

10°C to 35°C
10% ~ 90% (non-condensing)

Recent advances in computer vision have now been integrated into the world of video scenography.

Albion acts as a media server controller packed with features dedicated to spatial reconstruction, tracking and interactivity. Joint development with lighting manufacturers led to develop protocols that can help you build fully integrated interactive visual media rigs. While Albion usually works in conjunction with specialized cameras and optical markers, it can also build an understanding of its surrounding space through information carried by light sensors.



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TECHNOLOGY
IS BEAUTIFUL**