



A Powerful, Virtual Set Tracking Solution

Tight Integration Between Real  
& Virtual Cameras

# PLUTONIUM

PRODUCT INFORMATION SHEET

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CHYRONHEGO'S  
**TRACKLESS**  
VS SOLUTION



## TIGHT INTEGRATION BETWEEN REAL & VIRTUAL CAMERAS

Hybrid's top-of-the-line virtual set tracking solution, Plutonium, combines power and precision. Tracking solutions provide real-time, precise camera motion within 2D or 3D computer-generated backgrounds. From hand-held, XYZ movements to PTZF, Hybrid employs an open and scalable solution for tracking virtual reality - whether using Hybrid's precise motion tracking robotic camera support, or interfacing with any of the third-party tracking systems available.

Hybrid's robotic tracking systems employ "Zero Delay", which means there isn't a requirement for video and audio delay. Hybrid provides a set of tools for the most accurate and flexible calibration, which is critical during set up and live production.

Plutonium's real-time graphic engine is Krypton. Based on the OpenGL standard, which ensures compliancy and fast evolution, Hybrid's core rendering engine allows impressive, realistic and real-time graphic effects.



The logo features a stylized blue star with a blue outline, positioned above a blue trapezoidal shape that resembles a camera viewfinder. Below the star and trapezoid, the word "KEY" is written in a large, white, sans-serif font, and the word "FEATURES" is written in a smaller, white, sans-serif font directly underneath it.

# KEY FEATURES

- Integrated with most of the existing
- external tracking devices such as
- Mo-sys, Motion Analysis, Vinten, etc.
- No video/audio delay when combined with Hybrid's robotic tracking support systems
- Rendering of 3D virtual set and graphics from the same rendering engine
- High accuracy calibration and camera tracking tools
- HD and SD Formats supported

The logo features a stylized blue outline of a keyhole above a five-pointed star, also in blue outline. Below these symbols, the word "KEY" is written in a large, white, sans-serif font, and the word "FEATURES" is written in a smaller, white, sans-serif font directly underneath.

# KEY FEATURES

- All types of movements are supported from handheld to jib movements
- Flexible production workflow
- Integrates seamlessly with automation and vision mixers
- Multiple Inputs/Outputs
- Powerful graphic and special effects capabilities
- Multi layering

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## ABOUT CHYRONHEGO

ChyronHego, a portfolio company of Vector Capital, is a global leader in products, services, and solutions for the broadcast and sports industries. Specializing in live television, news, and sports production, ChyronHego offers some of the industry's most widely deployed solutions — including Lyric®, the world's most popular broadcast graphics creation and playout offering; the all-new CAMIO® Universe newsroom workflow; and TRACAB® Optical Tracking, the global leader in optical sports tracking systems as well as Click Effects, the most proven and versatile stadium broadcast family of graphics products. Headquartered in Melville, New York, ChyronHego also has offices in the Czech Republic, Denmark, Finland, Germany, Mexico, the Netherlands, Norway, Singapore, Slovak Republic, Sweden, and the United Kingdom.

For more information on ChyronHego, visit [www.chyronhego.com](http://www.chyronhego.com).

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### ASIA/PACIFIC

+65.64071330 |

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