

SOFTWARE

Krypton is the high range, virtual set from Hybrid MC, allowing virtual set production with no limit.

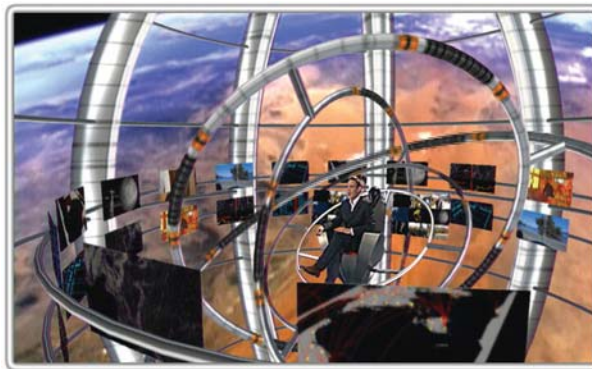


Virtual Set 3D

Powerful capabilities

Krypton is a SD/HD virtual studio, allowing importing 3D scenes from major modelling software of the market: 3D Studio Max, Maya and Softimage. Models are imported with their respective textures, lights, geometries and animations into Krypton. Thanks to its powerful capabilities, Krypton is able to render the most complex 3D scenes in real time. Due to its high performance, Krypton can render full anti – aliased scenes giving an astonishing photo realistic result.

Krypton offers broadcast audience; with enhance content, while broadcasters are shooting in a tiny little studio. Krypton offers applications for news, sports, kid's program and election coverage.



A real Freedom of movement

Having in mind the constraints of virtual set shooting, Hybrid MC has built the most accurate camera motion tracking devices. Krypton can be bundle with new extremely precise robotic camera head manufactured by Hybrid MC, Titanium, allowing panning, tilting, zooming and focusing. Mounted on a tripod for regular movements or on a motorized travelling for a 360°

movement, Titanium coupled with Krypton becomes the only virtual set HD solution offering no delay between the sound and the image. Krypton supports all type of broadcast camera and lenses, and can also be interfaced with free camera tracking devices from 3rd party. Krypton can be offered with a multiple camera set up.



A very easy to use tool

Krypton has been designed with the experience of virtual set shooting in mind, and has a very easy graphical interface. Krypton has an on air and off air mode, allowing preparing the graphic scene before sending it on air. Each shader can have its own texture modified thanks to easy drag and drop operation. Krypton offers lights and animation curve management. For a more precise view of the scenes, Krypton offers a multi perspective preview of the 3D scene.

Enhancing the virtual set

When it comes to do virtual set production, simulating video feeds inside the virtual background becomes crucial. Krypton offers video live in feeds in HD or/and SD and an unlimited number of pre-recorded HD/SD sources. In addition to the video, Krypton offers a complete dynamic foreground module, allowing overlaying the 3D background with graphics such as animated text, crawls, tickers, or 3D logos enhancing the virtual set background with information.



Krypton key features :

- Virtual set solution with no video/audio delays
- Integrated with Hybrid MC's proprietary robotic camera motion tracking devices
- 360° cameras movements
- Plug in for all major modelling software
- Easy integration with 3rd party motion tracking devices
- HD and SD standard
- Support unlimited pre recorded HD and SD video sources
- HD/SD live video feed
- Easy integration of external databases
- Odbc drivers (OLE-DB provider)
- WMXF compliant
- Overlay module
- Character generator
- Full anti aliased scene



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