

Hyperion MRI Digital Projection System™

Best display ... Best results

Previous fMRI display technologies involve compromises on image quality and presentation speed. LCD technology is slow, with low contrast images and imprecise analog VGA. These may be acceptable for tenth of a second resolution displays where image quality and repeatability can be overlooked, but we are pleased to announce these compromises are no longer necessary.

The new Hyperion MRI Digital Projection System features a native resolution of 1920 x 1080 (1080p) and synchronized image frame rate with continuous synchronization monitoring for optimum presentation and timing of fMRI experiments. The system uses Digital Light Processing® (DLP) technology with all-digital fiber optic control to project crystal clear, sharp images. The Hyperion Digital Projection System has been tested for use in 1.5T, 3T, and 7T MRI environments.



Digital Projector

The MRI Digital Projection System includes:

- High resolution (1920 x 1080) DLP Projector with RF filtered enclosure, custom lens assembly, digital video (DVI) over fiber, high flow fans, internal thermal sensor.
- Control Room Console to perform DVI to Fiber conversion, remotely power down the projector, and show the device status.
- 30 meter fiber optic cable that runs between the projector and projector control station. (longer lengths available with additional charge)
- Heavy duty, magnet compatible, projector stand. (assembly required)
- High resolution, lenticular pitch rear projection screen and magnet compatible stand for high quality image reproduction (6 point text is readable).
- Optional heavy duty, magnet compatible mirror stand and optical grade front surface mirror allows the projector to be placed at right angles from the projection screen providing flexible throw distance options in cramped magnet rooms. (assembly required)
- Optional VGA to DVI converter. (native DVI video cards on Windows or Macintosh recommended)
- Optional participant MRI Vision Correction Lens system for +2 diopters to +7 diopters in ½ diopter increments.



Control Room Interface Console



Lenticular Pitch Rear Projection Screen



MRI Vision Correction Lenses



Fiber Optic Cable



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