

# AIRIS II

## Performance That Delivers

AIRIS II is the mid-field performance Open MR system that delivers high image quality using advanced clinical applications. AIRIS II's performance results from optimized subsystems: efficient gradients, a digital multiple array capable RF system and a user-friendly, multi-tasking computer workstation.

Reliable performance begins with the 0.3 Tesla, self-shielded, advanced permanent magnet design. In addition, the fast and powerful 15mT/m gradients provide thin slice imaging at small FOVs and the DualQUAD® multiple array RF system\* provides high signal-to-noise and extended coverage.

Finally, the 64-bit, RISC-based workstation makes viewing and processing



images efficient. With a graphical user interface, full multi-tasking environment and a large LCD color monitor, the

workstation is not only easy to use but has all the functionality you need.

### MAGNET SYSTEM

The AIRIS II has the famous award-winning design and reliable permanent magnet that delivers excellent whole body images with minimal site requirements.

Magnet Type .....	Self-shielded, permanent
Magnetic Field .....	Vertical
Field Strength .....	0.3 Tesla
Magnet Weight .....	34,615 lbs.
Homogeneity.....	±2ppm over 20cm DSV (FWHM)
Auto Shimming .....	Three-axis per patient
Temperature Control .....	Continuous electronic thermostatic control provides high magnetic field stability
5 Gauss Fringe Field .....	6.6 ft. lateral, 8.2 ft. vertical and longitudinal from magnet center

### GRADIENT SYSTEM

Along with the eddy current free design of the AIRIS II permanent magnet, the gradient system provides submillimeter resolution, thin slices, short TEs, short inter echo spacing, and long ETLs. The efficient gradients employ Hitachi's *SoftSound*® technology for enhanced patient comfort.

Gradient Strength .....	15mT/m
Slew Rate .....	30T/m/s
Cooling Method .....	Air-cooled
Acoustic Noise .....	< 89dBA