

RADON

MEDICAL IMAGING

PRODUCT OVERVIEW



UMR790

**UNITED
IMAGING**



radonmedicalimaging.com

WEST VIRGINIA
866-723-6698

VIRGINIA
800-722-1991

SOUTH CAROLINA
800-722-1991



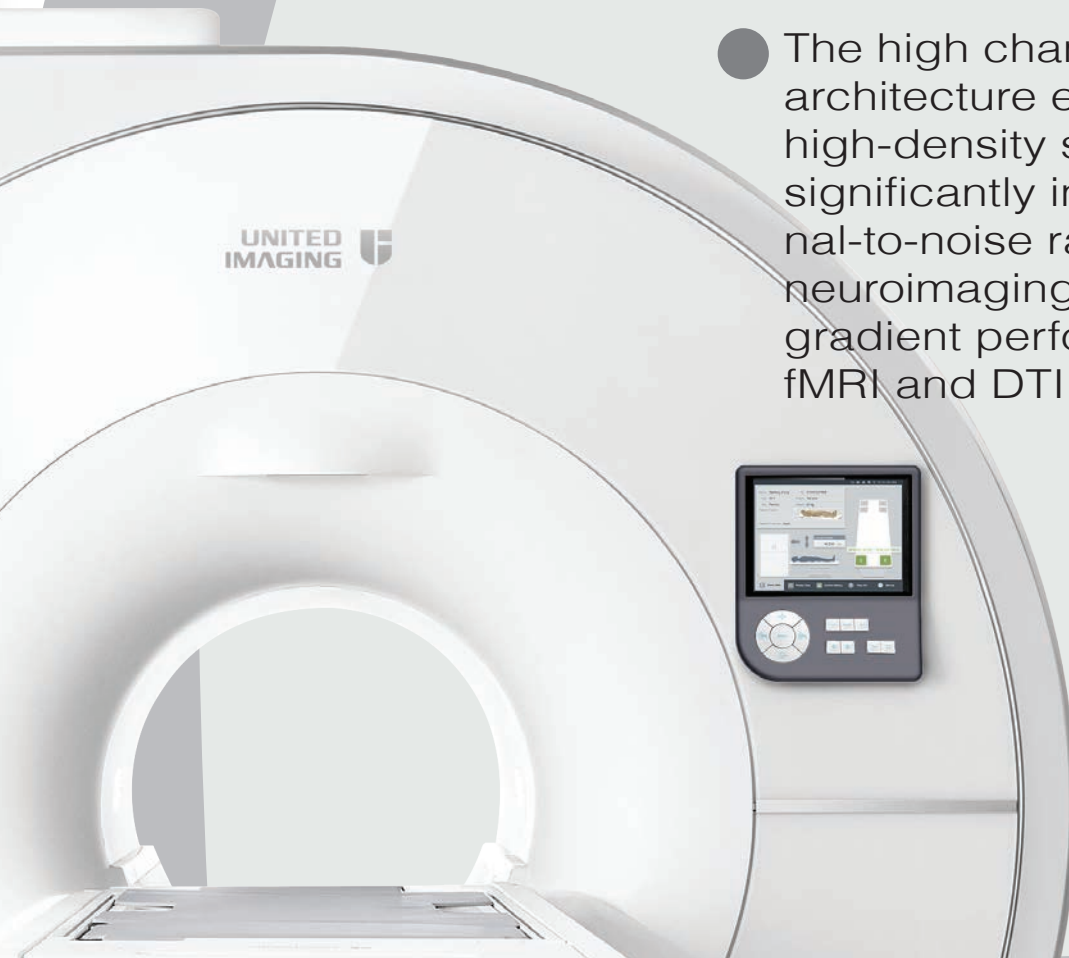
ULTRA-HIGH GRADIENT PERFORMANCE



With the highest amplitude available, the exceptional 90 mT/m & 200 T/m/s (simultaneous on each axis) unlock higher signal-to-noise ratio (SNR) for neuroimaging, enabling new applications for neuroscience exploration. The excellent homogeneity and large FOV provide a solid foundation for any research application.

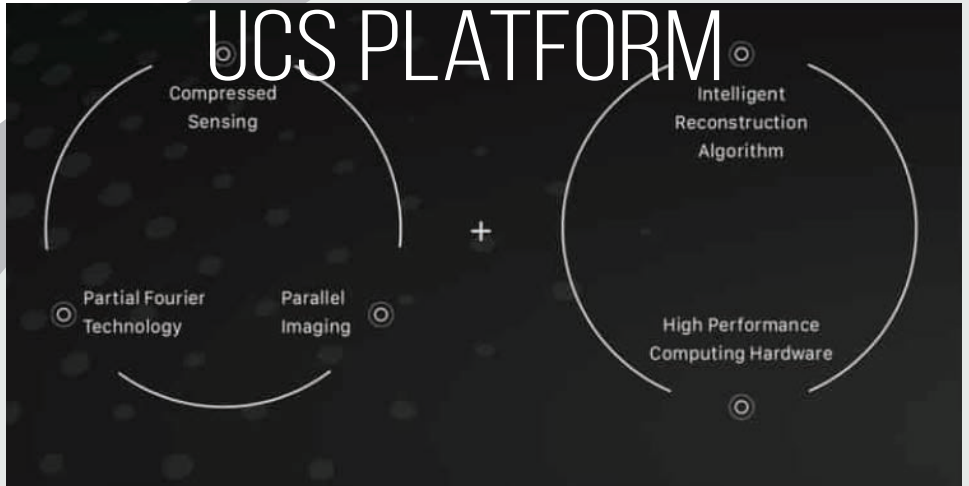
HIGH-DENSITY RF CHANNELS

The high channel-count RF receiver architecture enables the full use of high-density surface coil arrays, thus significantly increasing image signal-to-noise ratio (SNR). The dedicated neuroimaging coil complements the gradient performance for cutting-edge fMRI and DTI.





The uCS Platform enables efficient application of compressed sensing with a routine clinical workflow. The next-generation uCS imaging technology will push clinical boundaries of isotropic resolution and dynamic imaging speed.



UCS IMAGING TECHNOLOGY

- uCS combines the strengths of conventional acceleration technologies and innovative compressed sensing, breaking through the limits of both speed and resolution with a maximum acceleration factor of 16 and high, sub-millimeter isotropic spatial resolution.

UCS PROCESSING ENGINE

The uCS Processing Engine is a high-performance computing technology including memory, data network, and premier CPU. The intelligent reconstruction algorithm complements the outstanding computational power, resulting in ultra-fast reconstruction.

3.0T Superconducting Magnet

50 x 50 x 50 Max FOV

Up to 16x Acceleration Speed**

48 RFChannels

0.055 ppm @ 30 cm DSV Homogeneity



2nd Order Shimming

90 mT/m; 200 T/m/s Gradient

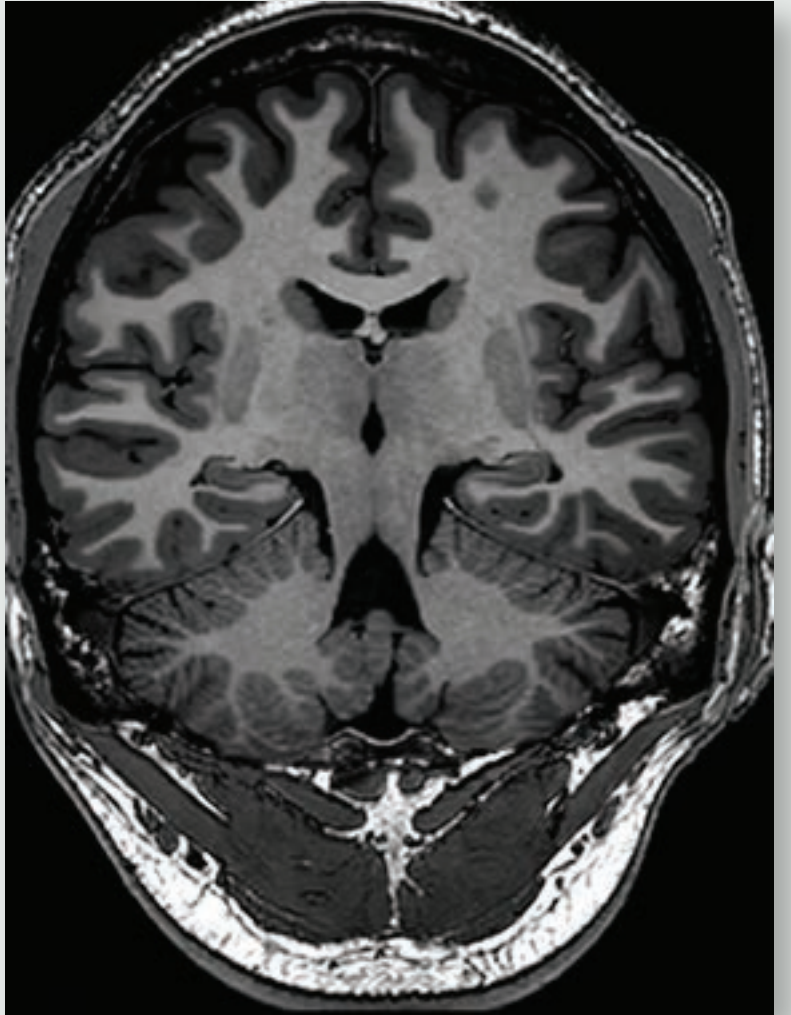
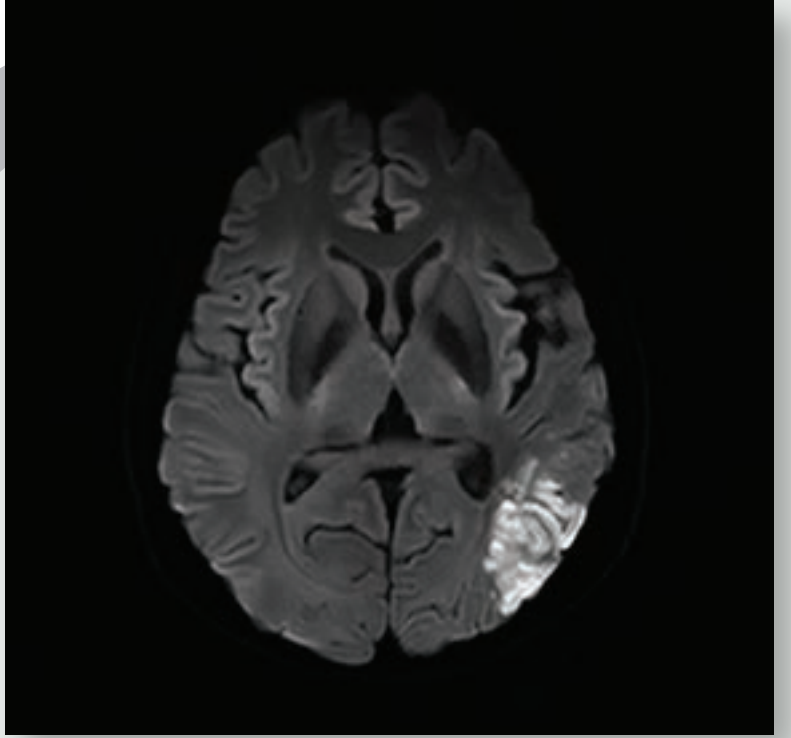
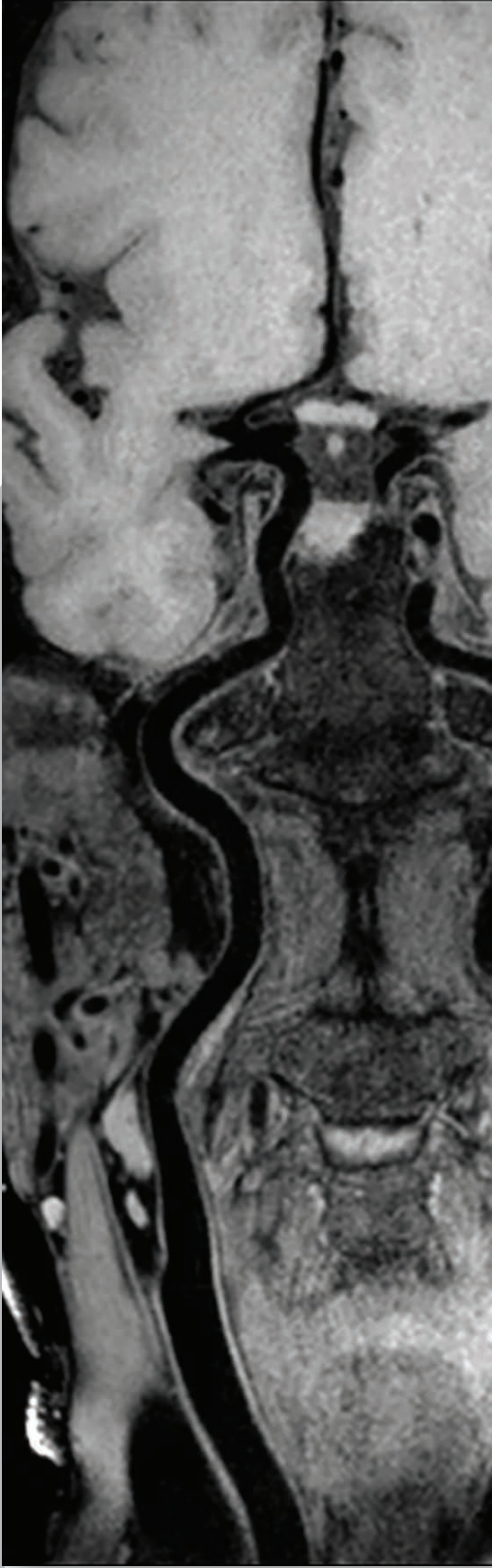
Open Research Platform

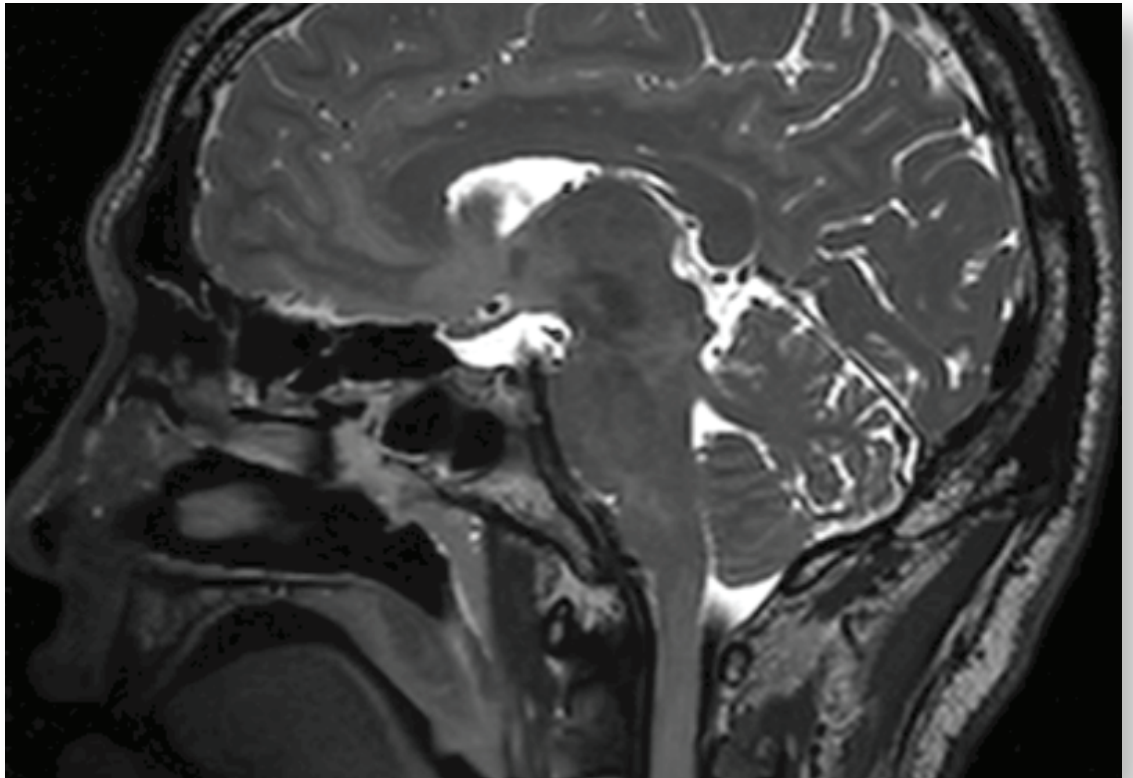
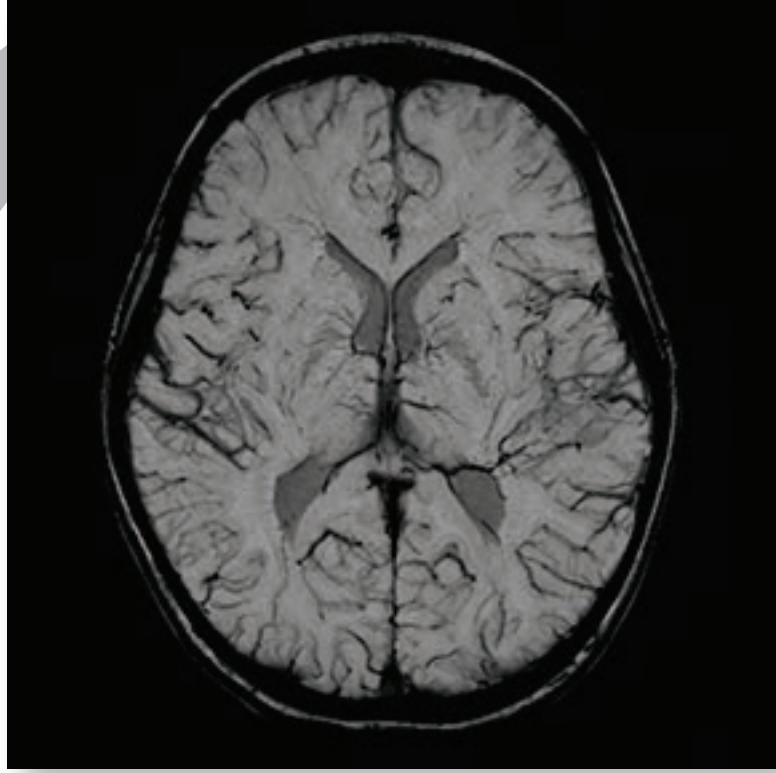
High-Performance Coils

Zero Helium Boil Off*

*Under normal conditions

**As compared to non-accelerated imaging techniques







PERFORMANCE.
UNPRECEDENTED.



**UNITED
IMAGING**



UMR790 radonmedicalimaging.com