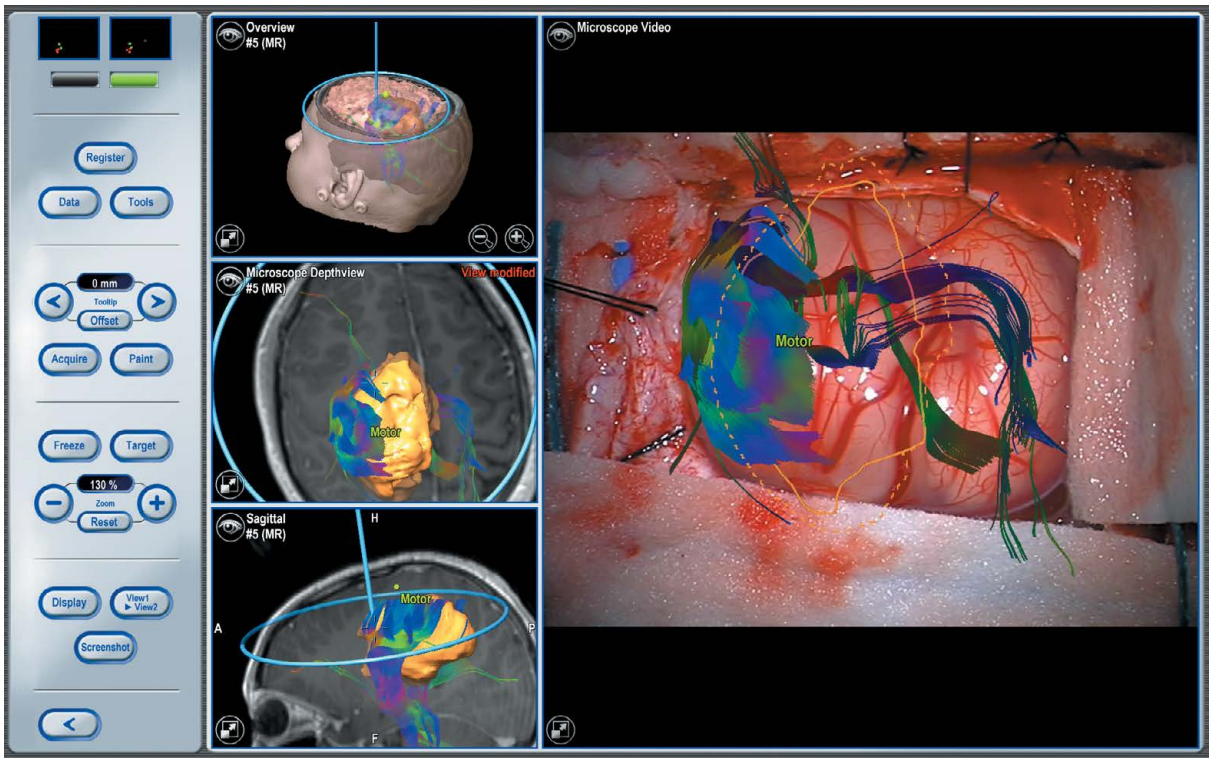
BRAINLAB

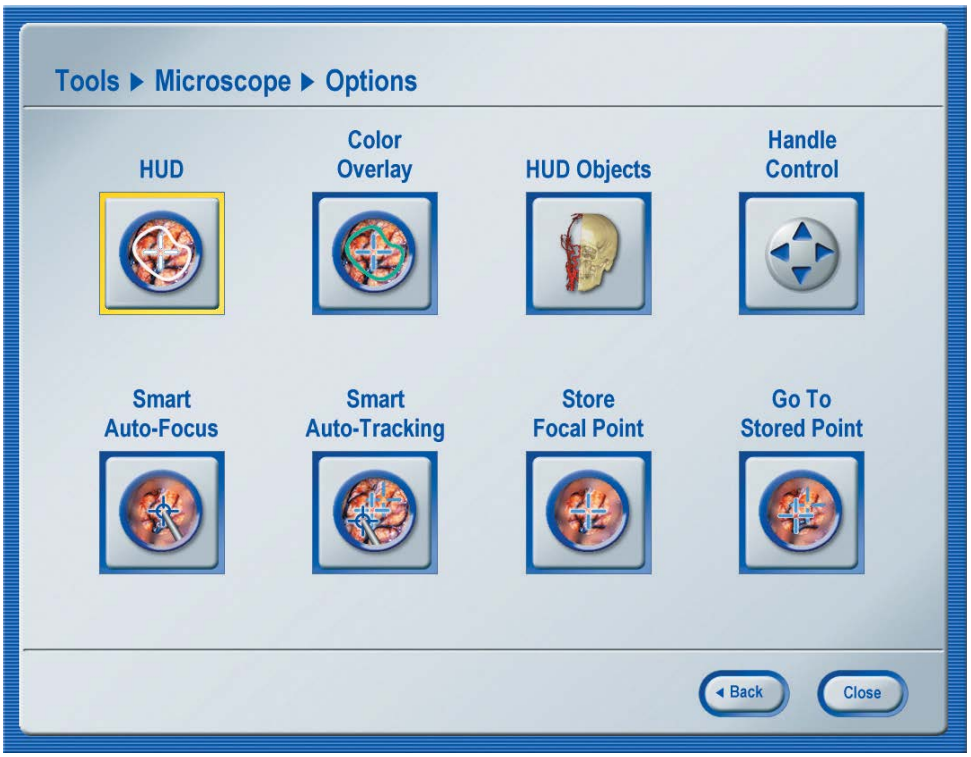
MAXIMIZED VISION

Seamless viewing. Increased functionality. Brainlab® makes navigation easy with pre-planned objects injected into the microscope ocular.



Brainlab® Cranial Navigation Software with Microscope Integration

Recognizing that neurosurgeons perform most of their procedures while looking through a microscope and not the navigation screen, Brainlab® Cranial Navigation Software supports all major neurosurgery microscopes with improved image integration. Passive markers attached to the microscope enable positional tracking, allowing for ergonomic position orientation, as well as Autofocus on the navigated tool.



Microscope Integration Menu

DISPLAY OPTIONS

Brainlab® Microscope Integration offers unique navigation features. Microscope Depthview is a reconstruction of original CT or MR datasets in the surgeon's angle of view on the neuronavigation system screen. On-screen video overlays show all of the information visible through the ocular—anatomy and injected objects—directly on the navigation screen. The Heads-Up Display also provides critical fiber tracking information in 2D or 3D.

VIEWS AND CONTROLS

Brainlab® Microscope Integration offers ergonomic viewing when switching between live and pre-operative anatomical images. When the shutter is closing, a select part of the navigation screen is shown in the microscope. Neurosurgeons have remote control access to the navigation software through the microscope's handle control buttons, ensuring more efficient workflows.

MOTORIZED ALIGNMENT

Brainlab® supports all motorized microscopes with automatic alignment to any navigated instrument. The microscope head moves autonomously in X/Y direction—starting at any position until it reaches its new position—with center and focus on the navigated tool. Any focus point may also be stored for automatic re-positioning of the microscope's viewing angle.