Universal AIR
Seamless Image Registration. Regardless of Imaging Device.

Automatic Image Registration (AIR) is essential for navigation on patient datasets acquired in the operating room.
BROAD COMPATIBILITY WITHOUT COMPLEXITY

Universal AIR is a cutting-edge combination of hardware and software designed for intraoperative registration in spinal and cranial surgery. By simply placing a light-weight registration matrix in the imaging field of view, the scanned volume is automatically registered for navigation, eliminating the need for complex imaging device integration.

This scanner-independent method provides immediate registration of intraoperatively acquired patient data from various CT, rotational angiograph and cone-beam CT systems.

PROCEDURE-SPECIFIC HARDWARE

Three sterilizable matrices support a variety of surgical interventions, including open, small incision and minimally invasive spine as well as cranial procedures. Depending on the case, the relevant matrix is placed on the patient anatomy during the scan.

Without requiring access to anatomical landmarks for manual registration, Universal AIR facilitates accurate navigation on up-to-date images, even after several hours of surgery.

1 Commercial availability pending for cranial applications
2 Technical feasibility determined on case-by-case basis