



ziehm imaging

ZIEHM VISION RFD 3D

The Revolution in 3D Imaging



- For 2D and 3D imaging
- Compatible with image guided navigation systems & robotics
- 25 kW pulsed monoblock generator with rotating anode
- Motorized 4 axes controls
- 31 cm x 31 cm digital flat-panel with CMOS technology

Ziehm Imaging
6280 Hazeltine National Dr | Orlando, FL 32822 | USA
Phone 800 503 4952 | Fax 321 445 5514
mail@ziehm.com | www.ziehm.com



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Nationwide toll-free
**SERVICE & TECHNICAL
PHONE SUPPORT**
866.949.4346



The Ziehm Vision RFD 3D is the first mobile 3D C-arm with a flat-panel detector also featuring the latest CMOS technology for imaging excellence. The enhanced imaging chain optimizes resolution with crystal-clear visualizations of the finest anatomical structures, complemented by SmartScan for 3D acquisition using a versatile, compact footprint. The powerful 25 kW C-arm propels today's surgeon to the forefront of intraoperative 3D imaging.

Imaging for a wide range of 2D and 3D clinical applications

- Spine/Pelvis (3D Imaging)
- Upper/Lower Extremities (3D Imaging)
- Cochlear/Maxillofacial (3D Imaging)
- Vascular (2D Imaging)

Image quality

- Latest flat-panel technology for CT-like image quality
- More distinguishable anatomy in 3D reconstructions with ZIR (Ziehm Iterative Reconstruction)
- Different volume sizes for the ideal resolution with 320³ voxel or 512³ voxel (CMOS)
- Patented SmartScan technology for complete 3D information
- 2D excellence with advanced 3D technology, delivering high-end multidisciplinary capabilities

Ease of use

- Intuitive user interface for easy handling on up to three independent touch screens
- Color-coded scales and handles for unmistakable communication
- Compact design with 32" color monitor on Articulating Monitor Arm on monitor cart
- Small footprint of 8.6 sq ft

Highlights

- Full control of the 4 motorized axes via the Ziehm Vision Center
- Seamless integration into existing IT networks
- Ziehm NaviPort interface for image guided 3D navigation and robotic guidance of leading system providers

At a glance

Imaging technology	CMOS, flat-panel, 31 cm x 31 cm
3D volume size / voxel	16 cm x 16 cm x 16 cm; 320 ³ /512 ³ voxel opt.: 10 cm x 10 cm x 10 cm; 320 ³ /512 ³ voxel opt.: 19.8 cm x 19.6 cm x 18.0 cm; 320 ³ /512 ³ voxel
Detector resolution	3k x 3k
Power generator	25kW, pulsed monoblock generator
Motorization	Full control of the 4 motorized axes
3D scanned information	2D: 165 degrees / 3D: 180 degrees (SmartScan)
Image guided navigation systems & robotics	Navigation: Brainlab, Stryker, Augmedics Robotics: Globus, Mazor, Zimmer Biomet

¹ CMOSline represents a system configuration that is based on a Ziehm Imaging CMOS flat-panel detector.

