



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 latest flat-panel 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



© 2023 Ziehm Imaging, a division of Ziehm-Orthoscan, Inc. All Rights Reserved. Ziehm Imaging is constantly improving its products and reserves the right to change these specifications without notice. 113-0014 Rev. E 07/2023

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



The Ziehm Vision RFD 3D is a groundbreaking mobile 3D C-arm that helps to improve surgical outcomes and patient satisfaction while optimizing costs. Building on over fifteen years of experience in 3D imaging, the Ziehm Vision RFD 3D features innovative flat-panel technology, bundling 2D and 3D functionality for greater intraoperative control. With precise information from every angle during the procedure, the Ziehm Vision RFD 3D helps to avoid unnecessary postoperative CT scans and corrective surgery, while offering unprecedented performance across the most varied and challenging application spectrum.

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

- Spine/Pelvis (3D Imaging)
- Upper/Lower Extremities (3D Imaging)
- Cochlear/Maxillofacial (3D Imaging)
- Pulmonary (2D & 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 320<sup>3</sup> voxel or 512<sup>3</sup> 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 an optional Articulating Monitor Arm
- 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	31 cm x 31 cm flat panel with 100 µm pixel size
3D volume size / voxel	16 cm x 16 cm x 16 cm; 320 <sup>3</sup> /512 <sup>3</sup> voxel opt.: 10 cm x 10 cm x 10 cm; 320 <sup>3</sup> /512 <sup>3</sup> voxel opt.: 19.8 cm x 19.6 cm x 18.0 cm; 320 <sup>3</sup> /512 <sup>3</sup> 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, NuVasive, Medacta, 7D Surgical, Scopis Robotics: Globus, Mazor

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

