



ziehm imaging

# ZIEHM VISION FD

## The New Imaging Standard For Surgery

- Intuitive and finely tuned workflows to ensure consistently high and predictable quality levels
- Mag Modes: Zero dose increase while retaining image quality
- Low entry and ownership cost of a flat-panel detector system
- Available in two panel sizes to support the full spectrum of patient needs and a broader application range



Articulating Monitor Arm offers versatile viewing options

CMOSLINE

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**866.949.4346**



Hospitals and outpatient surgery centers around the world are challenged to increase cost efficiency and extend their capabilities to include demanding procedures such as anterior hip cases. The Ziehm Vision FD is an innovative C-arm with a 20.5 cm x 20.5 cm CMOS detector or a 31 cm x 31 cm a-Si flat-panel. Our CMOSline<sup>1</sup> features the latest technology for excellent image quality and is designed for continuous use due to its innovative liquid cooling system. In addition, finely tuned workflows and new software features help optimize patient outcomes and increase productivity further. And the enhanced SmartDose<sup>2</sup> concept optimizes safety for surgeons, staff and patients.

### Wide range of clinical applications

- Pain management
- Orthopedics
- Vascular Surgery
- General Surgery

### Trust in over a decade of flat-panel performance - now enhanced with CMOS imaging excellence

- Lower noise levels, crystal-clear magnifications and enhanced dose management
- Pulsed monoblock generator with 2.4 kW for high performance
- Advanced Active Cooling for optimal generator temperature
- Broad application portfolio to perform even in demanding procedures

### Benefit from seamless integration with finely tuned workflows

- Best-in-class ergonomics with a footprint of only 8.6 sq ft and 165 degrees of orbital movement
- Intuitive and finely tuned workflows to ensure consistently high and predictable quality levels
- Wireless Freedom concept to increase efficiency and safety in the OR

### Reduce exposure significantly due to the next-generation SmartDose concept

- Comprehensive dose concept for high image quality and minimized dose
- Automatic optimization of dose and image quality with advanced anatomical programs
- Dedicated functions to significantly reduce exposure in pediatric surgery<sup>3</sup>
- Beam Filtration for reduced skin entrance dose without compromising on image quality

### At a glance

Imaging technology	CMOS, flat-panel, 20.5 cm x 20.5 cm a-Si, flat-panel, 31 cm x 31 cm
Detector resolution (FD)	2 k x 2 k
Power generator	2.4 kW, pulsed monoblock generator
Ziehm Usability Concept <sup>4</sup>	✓
SmartDose Concept	✓
Advanced Active Cooling (AAC)	✓
Orbital movement	165 degrees

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

<sup>2</sup> In clinical practice, the use of SmartDose may reduce patient dose depending on the clinical task, patient size, anatomical location, and clinical practice. A consultation with a radiologist and a physicist should be made to determine the appropriate dose to obtain diagnostic image quality for the particular clinical task.

<sup>3</sup> Gosch D. et al. "Influence of grid and ODDC on radiation exposure and image quality using mobile C-arms – First results", RøFo, 09/07

<sup>4</sup> The Usability Concept includes a variety of hard- and software features. Due to regulatory reasons the availability of each feature may vary. Please contact your local Ziehm Imaging sales representative for detailed information.

<sup>5</sup> The X-ray images highlighted within were obtained with the Vision FD CMOS 20.5 cm x 20.5 cm flat-panel detector.

