# ziehm imaging

## ZIEHM VISION RFD HYBRID EDITION

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### The Comprehensive Mobile Hybrid Solution

- 32" color monitor featuring exceptional brightness and contrast on optional Articulating Monitor Arm
- Anatomical Marking Tool (AMT) to easily apply markings and labels to fluoroscopic images – now enhanced with color
- 25 kW pulsed monoblock generator with rotating anode
- Full control of the 4 motorized axes with variable isocenter
- Intelligent dose regulation



### ZIEHM VISION RFD HYBRID EDITION



Challenging procedures, such as highly demanding interventional cardiovascular cases as well as orthopedic, trauma, and spine surgeries are increasing due to an aging population. With its powerful 25 kW generator, the Ziehm Vision RFD Hybrid Edition features CMOS technology and a comprehensive dose concept for high image quality and minimized dose, taking any OBL or OR to the next level. Requiring zero modifications to existing ORs, this mobile, feature-rich motorized solution is a valuable contribution to any clinic's competitiveness and financial performance; one that is ready to go - anytime, anywhere.

#### Imaging for a wide range of clinical applications

- ightarrow Vascular / Endovascular Surgery
- ightarrow Interventional Radiology
- $\rightarrow$  Interventional Cardiology
- ightarrow EP / Structural Heart

#### Forefront of imaging technology

- ightarrow Automatic optimization of dose and image quality with advanced anatomical programs
- $\rightarrow$  Razor-sharp images due to smaller pixel size (100  $\mu$ m pixel pitch)
- ightarrow High detector quantum efficiency (DQE) for lower noise levels
- ightarrow Ziehm Adaptive Image Processing (ZAIP) Advanced insights in fast-moving objects

#### Ease of use

- ightarrow Intuitive user interface for easy handling on up to three synchronized touch screens
- ightarrow Color-coded scales and handles for unmistakable communication
- ightarrow Zero room preparation with easy and fast set-up
- ightarrow Compact footprint of 8.6 sq ft

#### Highlights

- ightarrow Full control of the 4 motorized axes with variable isocenter, even at tableside
- ightarrow Avoidance of complex and expensive OR planning and construction phase
- ightarrow Reduced operating costs in comparison to conventional Hybrid ORs
- ightarrow Integrated energy storage for higher performance levels
- ightarrow Dedicated SmartVascular workflow for advanced vascular procedures

#### At a glance

Imaging technology	20.5 cm x 20.5 cm flat panel with 100 µm pixel size / 31 cm x 31 cm flat panel with 100 µm pixel size
Detector resolution (FD)	2 k x 2 k / 3 k x 3 k
Power generator	25 kW, pulsed monoblock generator
Ziehm Usability Concept <sup>3</sup>	$\checkmark$
SmartDose Concept <sup>4</sup>	$\checkmark$
Advanced Active Cooling (AAC)	$\checkmark$
Orbital movement	165 degrees
Motorization	Full control of the 4 motorized axes

<sup>1</sup> CMOSline represents a system configuration that is based on a Ziehm Imaging CMOS flat-panel detector. <sup>2</sup> Ziehm Vision RFD Hybrid Edition represents a group of optional hardware and software that creates an option package on the device named Ziehm Vision RFD. The X-ray images highlighted were obtained with the Ziehm Vision RFD Hybrid Edition CMOS C-arm. <sup>3</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>4</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.







