



Ziehm Vision² FD delivers high-quality imaging with low dose exposure on a footprint of just 0.8 m². It features a compact C-arm and monitor cart with an intuitive touchscreen user interface as well as two 19" flatscreen monitors. It has a high-resolution CCD camera that detects over 4,000 shades of gray. The monoblock generator's unique liquid cooling system (Advanced Active Cooling) is specially designed for extended use in operating theaters, making the Ziehm Vision² ideal for a wide range of clinical applications such as general surgery, orthopedics, and traumatology.

Features

- 18" TFT monitors provide bright, high contrast image with a wide viewing angle.
- Intuitive workflow with synchronized TFT touchscreens on c-arm and monitor cart.
- High resolution thanks to a dynamic CCD camera with 1 k × 1 k technology.
- Easy integration into existing networks (with WLAN option).
- Active Cooling for continuous performance during lengthy, demanding procedures.
- Counter-balanced c-arm for simplified positioning.



Specifications

Dimensions and Mechanics

Motor-driven vertical travel: 17" [43 cm]
 Motor-driven horizontal travel: 9" [22 cm]
 Motor-driven orbital rotation: -90° / +45°
 Angulation: $\pm 225^\circ$
 Swiveling (panning): $\pm 10^\circ$
 Focus-image receptor distance: 40" [111 cm]
 C-arm vertical free space: 35" [89.5 cm]
 C-arm depth: 27" [68 cm]
 Width: 32" [80 cm]
 Length: 63-72" [160-182 cm]
 Height: 62-79" [157.5-200.5 cm]
 Brakes: Patented steering & braking lever, with parallel movement of the mobile stand in all directions

X-Ray Generator

X-ray tube: stationary anode
 Single focus: 0.6 (IEC 336)
 Max. anode heat content: 45 kHU / 34 kJ
 Max. anode heat dissipation: 600 W
 Generator type:
 monoblock
 20 kHz high frequency
 microprocessor-controlled
 Operating Values:
 Nominal output (100 kV): 2,000 W
 Maximum output: 2,200 W
 Pulsed fluoroscopy:
 kV range: 40-110 kV
 mA range: 0.2-20 mA
 pulse width: 10-24 ms
 pulse rate: 1, 2, 4, 8, 12.5, 25 pulses/s

Monitors

High-resolution and high-brightness twin flat-screen monitors: screen size: 18.1" (46 cm); native resolution: 1280 x 1024 pixels; viewing angle (horizontal & vertical): 170°; contrast ratio: 600:1; dimensions: 16 x 13 x 3" [41 x 34 x 7 cm]

Flat-Panel Detector System (only on FD Model)

Type: amorphous silicon photodiode TFT technology
 Scintillator: cesium iodide
 Field size: 8 x 8" [19.8 x 19.8 cm]
 Detector matrix: 1024 x 1024 pixels; 194 μ m pixel size
 Dynamic range: 72 dB
 System resolution: 2.4 lp/mm
 Anti-scatter grid: 70 lines/cm; grid ratio 8:1
 Laser positioning device integrated in the detector housing