



VISIONSPEC PRO

Medispec's Multipurpose Innovative X-Ray system

- High quality 1K2 digital imaging (2K2 optional)
- 9" image intensifier offering high brightness and contrast
- Fully motorized C-Arm with a very large orbital rotation angle of 120°
- Compact & Mobile system
- Unlimited storage for image files
- Remote control abilities
- Pulsed fluoroscopy – to guarantee the lowest possible dose
- Connectivity to DICOM network interface
- 23" monitors (live monitor and reference monitor) – on the device



See for yourself

Visionspec Pro is an advanced imaging system, suitable for a variety of Intra-Operative applications, such as peripheral, orthopedic and urological procedures. The system offers high-quality digital imaging, and flexibility during surgical procedures, enabled by its fully motorized C-Arm.

Supporting the surgical procedure

VisionSpec Pro offers high quality imaging coupled with lowest possible dose. Offering a large orbital rotation of the C-Arm, and unlimited data storage, the Visionspec Pro facilitates an uninterrupted surgical workflow. The system offers easy operation, and a compact footprint, making it easily maneuvered inside the operating room and easily transported between rooms.



VISIONSPEC - TECHNICAL DATA

PHYSICAL:

Dimensions	Height: 1824 mm (+200 mm) Width: 772 mm Length: 1832 mm (+200 mm)
Arm dimensions	Depth: 660 mm Free space between monoblock and I.I.: 801 mm Vertical Travel: 200 mm Tilt Motion (standalone mode) CW: 200° / CCW: 200° Tilt Motion (lithotripsy mode) CW: 18° / CCW: 32° Orbital Rotation: -90°/+25° (±1°) Lateral oscillation (wig-Wag non-motorized): ±15°
Weight	304 Kg

MONOBLOCK / FLUOROSCOPY FEATURES:

Max power	3.5 KW
Anode type	Stationary
Focal size	0.5 / 1.5 mm
Filament power supply	400 Hz
kV range	40-110 KV
Current (fluoroscopy)	0.2-4 mA/ 8-14 mA (snapshot)
Maximal anode dissipation	270 W
Max power (fluoroscopy)	0.44 kW
Anodic heat capacity	30 kj
Anodic nominal power (for 0.1 sec)	780 W
Operating Frequency	40 KHz
Monoblock thermal capacity	500 kj
Thermal safety	57°C±3°C
Continuous thermal dissipation (40kV 1 mA)	60 W
Maximum sheath temperature	60°C

Monoblock inherent Filtration	1.8 mmAl
Total filtration (monoblock inherent + 2mm Al)	3.8 mmAl

FLUOROSCOPY GRID:

Ratio	8:1
Focusing	80 cm
Iris	With automatic positioning according to the selected I.I field

IMAGE INTENSIFIER (I.I.):

Size	9" (9/6/4")
Number of input fields	3
Nominal dimension of input field	9" Mode: 230mm min 6" Mode: 160±5 mm 4" Mode: 120±5 mm
Usable dimension of input field	215/145/100 mm
Central resolution	9" Mode: 48 Lp/cm 6" Mode: 56 Lp/cm 4" Mode: 66 Lp/cm
High conversion factor (GX)	28 cd/m ² /μGy/s
Contrast ratio (10% area)	25:1
Contrast ratio (10mm dia.)	16:1
Conversion Factor (Gx)	240 cd·m ² / mR·s ⁻¹ 28 cd·m ² / μGy·s ⁻¹
DQE (ICE Standard)	65%

CCD CHAIN:

Camera	Digital with 1.3 M pixels 1/2" IEEE 1394 15 FPS
Display	23" LCD HD Wide monitors -1920 X 1080 pixels
Hard drive	0.5 Tb