



VISIONSPEC STANDARD

Cost Effective X-Ray system

Simplicity and Mobility

Visionspec Standard is a high-quality computerized fluoroscopic X-ray system, specially designed for endo-urology and lithotripsy applications. It is equipped with a motorized arm with tilt movement, for a more precise lithotripsy procedure when locating stones. Visionspec Standard is a mobile system, which offers a high-quality digital image as well as simplicity in operation and maintenance.

BENEFITS

- 23" monitors (live monitor and reference monitor) - on the device
- Pulsed fluoroscopy - to guarantee the lowest possible dose
- 9" image intensifier offering high brightness and contrast
- High quality 1K2 digital imaging (2K2 optional)
- Connectivity to DICOM network interface
- Unlimited storage for image files
- Remote control abilities
- Easy calibration
- Quick setup





VISIONSPEC - TECHNICAL DATA

PHYSICAL:

Dimensions	Height: 1847+/-25 mm Width: 772 mm Length: 1853 mm
Arm dimensions	Depth: 616 mm Free space between monoblock and I.I: 761 mm Vertical adjustment: ±25 mm CW Rotation (+): 16±2° CCW Rotation (-): 34±4° Lateral oscillation (wig-Wag): ±15°
Weight	250 Kg

MONOBLOCK / FLUOROSCOPY

FEATURES:

Nominal power	4.2 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) for X-Ray continuous/snapshot	0.44 kW/0.88 kW for 0.5s (snapshot)
Anodic heat capacity	30 kj
Anodic nominal power (for 0.1 sec)	780 W
Operating Frequency	40 KHz
Monoblock thermal capacity (with heat sink)	500 kj
Thermal safety	57°C±3°C
Continuous thermal dissipation (40kV; 1 mA) (with heat sink)	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
Lines/cm	40
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: 230 mm 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 / m ² ·s ⁻¹ 28 cd·m ⁻² / μGy·s ⁻¹
DQE (ICE Standard)	65%

CCD CHAIN:

Camera	Digital with 1.4 M pixels 1/2" IEEE 802.3 1000BASE-T 15 FPS
Display	23" LCD HD Wide monitors -1920 X 1080 pixels
Hard drive	0.5 Tb