

*Excellence In X-Ray Imaging*

**ALERIO**

# **VIRTUO** *ASHWINI*

**HIGH-FREQUENCY DIGITAL IMAGING C-ARM**



Introducing the All New **ALERIO VIRTUO**  
Advanced surgical image guidance system  
for superior surgical precision.



Designed, Developed & Manufactured by:  
IATOME ELECTRIC (I) PVT. LTD.  
COIMBATORE, INDIA - 641049



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# VIRTUO<sup>ASHWINI</sup>

**HIGH-FREQUENCY DIGITAL IMAGING C-ARM**

## TECHNICAL SPECIFICATIONS

### GENERATOR

Type	High Frequency with 100 kHz output
Modes	Continuous Fluoroscopy, Pulsed Fluoroscopy, Half Dose Mode, ABS Mode, Cine Mode, Radiography Mode
Peak Power	4 kW
kV Range	40 – 110 kV
Fluoroscopy mA Range	0.2 – 12 mA
Fluoroscopy Timer	5 minutes
Radiography Parameters	0.1 to 200 mAs 75 mA, 40 – 110 kV

### TUBE HEAD & COLLIMATION

Tube Head	Dual Focus - Stationary
Collimation	Square parallel shutters with Rotation
Grid	Anti-scatter Carbon Fiber

### FLAT PANEL DETECTOR

Panel Type	Amorphous Silicon Active TFT/Diode Array
Scintillator	CSI
Active Area	210 x 210 mm

### MECHANICAL CHARACTERISTICS

Tube FPD - Focal Spot Distance	1000 mm
Free space between FPD to Tube	800 mm
Up-down Travel	400 mm
Horizontal Travel	200 mm
Orbital Rotation Range	120 Deg. (-30 to +90 Deg.)
Wig-wag movement	+/- 12 Deg.
Axial Rotation	360 Deg. (+/- 180 Deg.)
Depth of C-arc	630 mm

### POWER REQUIREMENTS

Power Supply	Single phase 230 Volts, 15 Amps, 50 Hz with Earthing
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### IMAGE PROCESSING & STORAGE SYSTEM

Image Processor	PC & Software based
Image Storage	1,00,000+ images in HD format
Display	32-inch UHD 4K Monitor
Cine Loop	Available
DICOM	Connects on DICOM Workstation/PACS, DICOM Send/Storage, DICOM Print, DICOM Worklist

### CONTROL CONSOLE

Console Type	Touch-screen
Programs	One-touch Organ programs, APR Selection
Features	Integrated with FPD imaging software, Body part selection, Real-time image processing, post-image processing, collimator adjustment



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