



APPROVED BY  
AERB & BIS

Powered By:

**Gen X 3.6R**  
Ultra High Frequency Generator



## A Comprehensive Surgical Imaging Experience

*Happier Living Everyday*



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## Intuitive & User Friendly Touch Control Panel



### Fluoroscopy

Fluoroscopy Controls with Manual & Auto selection of KV, mA. Multiple Operating Modes for Different Applications

### Real-Time Heat Monitoring

The Technician Can View the Monoblock Thermal Status in Real-Time

### Real-Time Magnification

Option to Control the Image Size Through Multiple Size Zoom Options

### Radiography

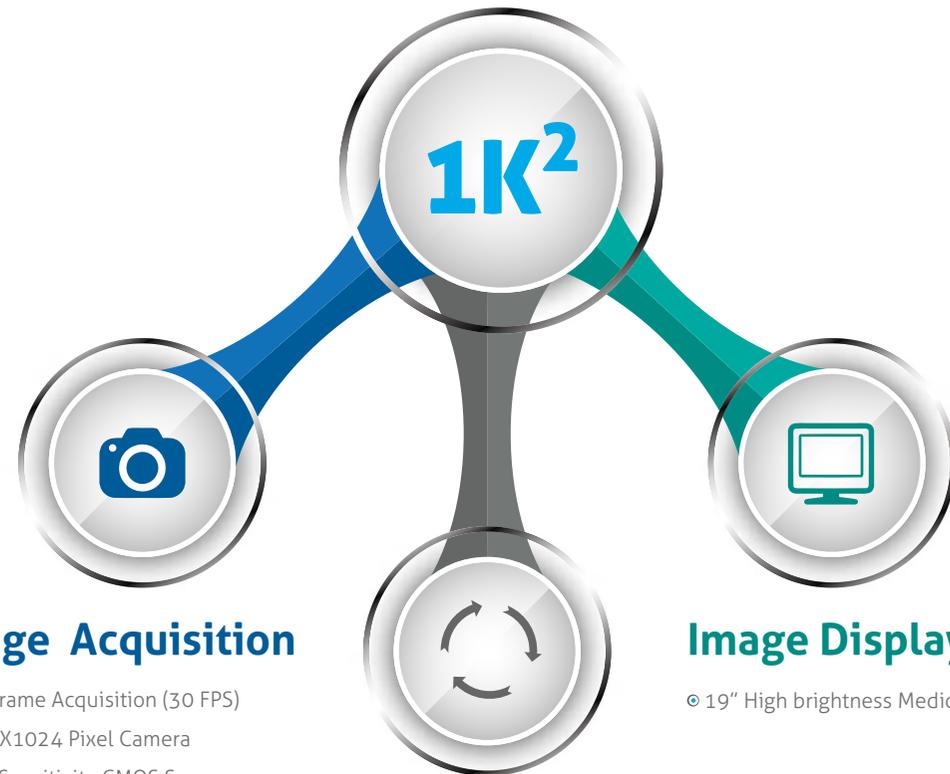
Radiography Controls with Manual Selection of KV & mAs, Anatomical Programming

## Experience the World Class 1Kx1K Surgical Imaging



### The Holistic 1Kx1K Digital Imaging Chain

BPL CRay Pro plus is Powered by X-MED 1K2 Digital Imaging Chain which ensures that the quality of the image is enhanced at every step, thus providing you a holistic Surgical Imaging experience



### Image Acquisition

- Full Frame Acquisition (30 FPS)
- 1024X1024 Pixel Camera
- High Sensitivity CMOS Sensor
- Progressive Scan
- GigE Output

### Image Processing

- Digital Gain Control
- Real Time Noise Reduction by Temporal Averaging
- High Resolution Digital Image Output
- Preset: As per anatomy/ procedures

### Image Display

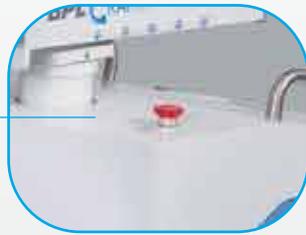
- 19" High brightness Medical Grade Monitor

# Superior Ergonomic Design for Effortless Operations

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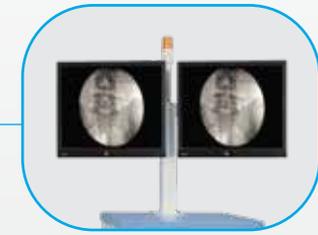
Effortless Locking Mechanism. Actuator Assisted silent up / Down Movement



X-Ray Exposure Switch for Fluoroscopy & Radiography



Foot Switch with a Holding Case for Easy Equipment Transport



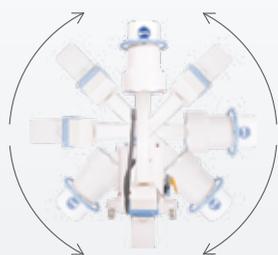
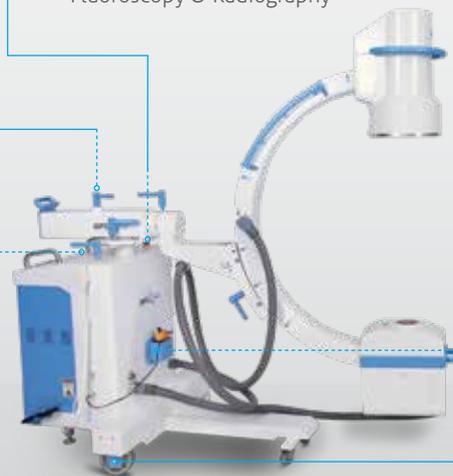
Compact Workstation with Dual High Resolution Monitors



Efficient Steering Mechanism with 90° rear Wheel Rotation.



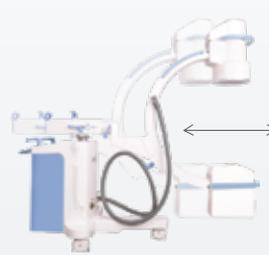
Durable Wheels with Foot Lock



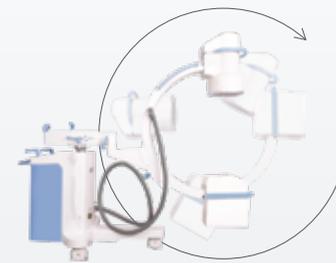
±180° Axial Rotation



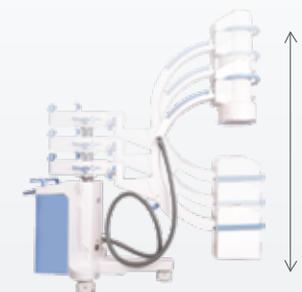
±12.5° Wig Wag Movement



200 mm Horizontal Movement



90° + 35° Orbital Rotation



400 mm Vertical Movement

# Technical Specifications

## X-Ray Generator

Type	High Frequency; 110 kHz
Output	3.6 kW
KV Range (Fluoroscopy / Radiography)	40 - 110 kV
Fluoroscopy mA	0.1 - 3 mA
Boost Mode mA	Upto 7.5 mA
Radiology mAs	1-200 mAs

## X-Ray Tube

Type	Stationary Anode
Focal Spot Nominal Value (Small / Large)	0.6/1.5 mm

## Control Panel

Display Type	7" Touch, Colored Graphical Display
Operating	Continuous Fluoroscopy Mode Boost Fluoroscopy Mode Snapshot Mode Auto Mode

## Image Intensifier

Type	9" Triple Field (9"/6"/4.5")
Grid	Round, 9" - 10:1, 103 Lines, FD : 36-39"

## Camera

Type	1/2.9" CMOS Sensor, 1024X1024 pixels, GigE Output
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## Workstation

Display : LED Monitors	19" High Brightness LED Monitor
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## Image Memory

X-MED 1K <sup>2</sup>	PC Base Advanced Image Memory With Real-Time & Post-Processing Features; Storage Upto 2,00,000 Image.
Data Export	Image Processing Matrix-512X512 pixels

## Mechanical Characteristics

C-Arm Dimension Vertical Run	400 mm
Horizontal Run	200 mm
Wig-Wag (Swivel Range)	± 12.5°
Angulation	190° ± 10°
Orbital Movement (Over scan)	125° (-35° to +90°)
S.ID	960 mm
Arc Depth	630 mm
Clearance (Free space between II and Tubehead)	760 mm

## Electrical Characteristics

Single Phase Voltage	230 V AC (±10%), 50 Hz
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## Other Functions

- Foot Switch
- Automatic Shut Off to Prevent Over-Heating of the Equipment
- Emergency Stop Switch
- Equipment Malfunction Indication (Self diagnostics)
- Servo Stabilizer to Manage Voltage Fluctuations (Optional)
- Complete Shielded Wiring and EMI Protection

\*Technical specification subject to change



## Wide Clinical Applications



ISO 13485:2016 CERTIFIED COMPANY  
ISO 9001:2015 CERTIFIED COMPANY

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