

**ADONIS HIGH FREQUENCY**  
MOBILE SURGICAL C-ARM

**Adonis**





Vertical travel : 43 cms



Horizontal movement : 22 cms



C-Arm rotation : ± 180°



C-Arm swinging : ± 12.5°



C-Arm sliding rotation : 120°

Over the years, ADONIS has been synonymous with Quality, Reliability and Towards making a more complete system configurations. Thanks to its commitment to Outstanding Image quality, Performance, Cost Effectiveness and Efficient after sales service, ADONIS has gained trust from its users alike.

ADONIS Mobile C-Arms are used for X-Ray guidance during procedures in orthopedics, urology, cardiology, neurology etc. for faster and more accurate evaluation of surgical parameters.

### ERGONOMIC DESIGN WITH USER FRIENDLY FUNCTIONS

ADONIS C-Arms have been designed keeping in view the user's convenience. Their operational ease simplifies your imaging procedure when performing complex surgeries.

- Digital display for kVp, mA, mA and Timer.
- Illuminated front panel for easy selection of keys even in dim lit rooms.
- Automatic Cut OFF with the rise of temperature of the Tube head beyond specified limits with audio and visual indication.
- Single step kVp and 0.1 mA step selection for better fluoroscopic results.

Separate Control for back and front wheels through separate steering for better controlling of the Machine.



### HIGH BRIGHTNESS II, HIGH SENSITIVITY CCD CAMERA & TV SYSTEM WITH MEMORY STORAGE SYSTEM

ADONIS surgical mobile C-Arms simplify surgical and interventional procedures greatly by providing real time images of the part being operated upon by using true specification match between superior quality Image Intensifier, CCD camera and TV system.

- Computerized workstation for processing and image storage.
- Dual monitor combination for stored images required for reference purpose.
- Image noise reduction, split image display, Flip, Mirror Images, Zoom etc. for better study of real time and frozen images.
- Large data image memory storage facility both frame by frame mode and in movie mode.

## MICROPROCESSOR CONTROLLED X-RAY OPERATIONS

ADONIS systems utilise the latest microprocessor based technology to give user top quality real time images that are so important for intra operative procedures.

- The system is provided with illuminated Front Panel.
- All the functions are controlled through microprocessor based system by soft touch key board.
- Automatic brightness control automatically adjusts kVp and mA for various body parts as selected in the real time mode.



CONTROL CONSOLE



### Image Processing and Storage

- Computerized Workstation with following features:

Last Image Hold, Pulsed Mode, Live Mode, Recursive Filter, Contrast Enhancement, Negative Image, Zoom both in Horizontal & Vertical Direction, Mirror Images, Up side Down Image, Image Rotation and Image Collimation etc.

A large memory storage both in frame by frame mode and movie mode. Facility for Patient Data Storage and with printing facility on plain paper on customer's printer. Other facilities like Annotation, Area Measurement and Distance Measurement through reference data.

Added DVD writer for recording on the CD/DVD. Data storage on pen drive also available.

- 100 Frame Memory with following features (Optional):

LIVE/LH, Averaging 1 to 16 frames, Permanent Storage of 100 Frames, Zoom, Negative Image, Multiple Image viewing, PC Connectivity, Pen Drive Connectivity.

## Standby for Workstation

In case of computerised workstation failure, the system can still be operated in the standby mode.

### CORDLESS REMOTE

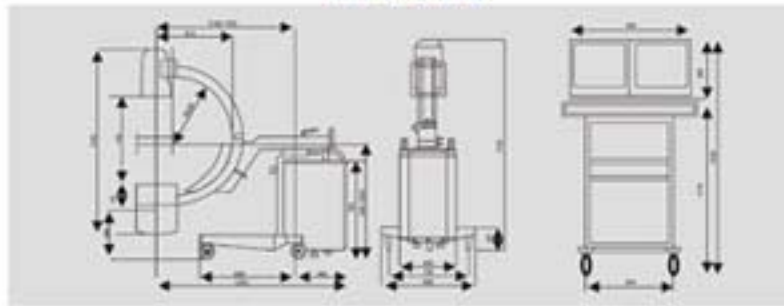
Remote control for selection of various processing and memory functions.



## Technical Specifications

DESCRIPTION	ADONIS HIGH FREQUENCY MOBILE SURGICAL C-ARM		ADONIS TWO PULSE MOBILE SURGICAL C-ARM
	ADONIS AE-60HFS	ADONIS AE HF-9060	ADONIS AE-CARM
Type of Generator	40 KHz, High Frequency	40 KHz High Frequency	Full Wave Rectified
Tube Type	Double Focus Stationary Anode	Double Focus Rotating Anode	Double Focus Stationary Anode
Focal Spot	Small Focus : 0.6mm x 0.6mm Large Focus : 1.5mm x 1.5mm	Small Focus : 0.3mm x 0.3mm Large Focus : 0.6mm x 0.6mm	Small Focus : 0.6mm x 0.6mm Large Focus : 1.5mm x 1.5mm
Fluoroscopic kVp	40-110 kVp (Single Step)	40-120 kVp (Single Step)	40-100 kVp (Single Step)
Fluoroscopic mA	0.1 - 3.0mA (Continuous)	0.1 - 4.0mA (Continuous) 4.0 - 10mA (Pulsed)	0.1 - 3.0mA (Continuous)
Fluoroscopic Timer	Temperature Controlled	Temperature Controlled	Temperature Controlled
Radiographic kVp	40-110kVp (Single Step)	40-120kVp (Single Step)	40-100kVp (Single Step)
Radiographic mAs	Up to 220 mAs	Up to 220 mAs	Up to 220 mAs
Radiographic Timer	An Inbuilt Rad Timer enable to show continuous variable mAs for Radiography	An Inbuilt Rad Timer enable to show continuous variable mAs for Radiography	An Inbuilt Rad Timer enable to show continuous variable mAs for Radiography
Tube Current	80mA	100mA	50mA
Self Diagnostic	Self Diagnostic for Errors Displayed through LEDs/LCD	Self Diagnostic for Errors Displayed through LEDs/LCD	Self Diagnostic for Errors Displayed through LEDs/LCD
Automatic Dose Rate	ADR Control is provided	ADR Control is provided	ADR Control is provided
Power Requirement	220 V/50Hz, 3.5KW	220V / 50Hz, 5.0 KW	220V / 50Hz, 2.4 KW
IMAGING SYSTEM			
Image Intensifier	6" (15cm), Image Intensifier, Single Input field with 15mm output image diameter(9"123cm), Image Intensifier Triple Output Field (9"/6"/4.5") with 23mm output image diameter, with housing and microprocessor controlled Power Supply.		
CCD Camera	High power optics with 1/2" B/W CCD Camera with High Resolution Output		
Monitors	02 Nos of 15"17" High Resolution Monitor with High Contrast Ratio, mounted on Mobile Trolley Optional Medical grade TFT Monitor		

## Dimensions



Manufactured by  
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Specifications subject to change without prior notice.