

## MAJOR TECHNICAL SPECIFICATIONS\*

Models	HF 59 PLUS	HF 59 R
Series	LDHD PLUS	
X-Ray Generator	High Frequency (50 KHz) technology	
Output	3.5 KW	6 KW
Tube Head	Monoblock	
X-Ray Tube	Stationary	Rotating
X-Ray Tube Focal Spots	Dual	
Imaging Chain	Digital (1K x 1K)	
Image Intensifier Tube with Power Supply Unit	9" Triple field ( 9" / 6" / 4.5" )	
Memory	Synergy LDHD (1K x 1K)	
Camera	High resolution 1K x 1K compact camera	
Monitors (2 Nos.)	19" medical display monitors (optional - other sizes and type can be user selectable)	
Power Requirement	230 V AC $\pm$ 10%, 15A, single phase, independent earthing	

\* These are broader specifications with highest certifications. The final product will be dispatched as per agreed terms in quotation.

### A.S.S.U.R.E

(Allengers Safety Standard For User From Radiation Emission)

**A.S.S.U.R.E Protocols** : All X-Ray based equipments involve some potential risk of radiation exposure. We, at Allengers understand your concerns. Allengers is fully committed towards radiation safety and care of its customers.

Allengers has introduced A.S.S.U.R.E Protocols, which is a step in the direction of delivering best possible image quality at lowest possible dose. Allengers products with A.S.S.U.R.E Protocols are carefully crafted to protect users and patients from unwanted leakages in the X-Ray equipment.

ALLENGERS MEDICAL SYSTEMS LTD.

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# Allengers

*Passion for excellence*

CE CERTIFIED  
ISO 9001:2015  
EN ISO 13485:2016  
ISO 13485:2016  
AERB APPROVED  
BIS APPROVED

Discover the power of High End C-Arms  
loaded with multi-functional features

5<sup>th</sup> GENERATION  
**HF C-Arm**  
LDHD PLUS SERIES



HF 59 PLUS /  
HF 59R



## ABOUT US

Welcome to the world of Allengers, a world that understands your needs, a world that actually cares. Allengers is the first C-Arm I.I.TV manufacturer in the country with over 15000 installations. We have taken into account the challenges faced by surgeons and evolved our products accordingly.

Allengers used their experience of 33 years to bring to you a advanced series like LDHD Plus. Besides the fact that they work as great as they look, this series of LDHD Plus is loaded with multifunctional features for diverse application needs.

### HF 59 PLUS / HF 59 R POWERED BY GREEN IMAGE - LDHD (LOW DOSE HIGH DEFINITION) IMAGING SYSTEM

- Low dose imaging.
- Image enhancement software.
- Digital zoom.
- Automatic capture and storage of cine loop with cine foot switch.
- DVD writer to store images on CD/DVD for giving it to patients.
- Patient details display on monitor.

### HF 59 PLUS / HF 59 R POWERED BY 1K X 1K SYNERGY LDHD IMAGING SYSTEM

- Synergy LDHD software empowered with :
  - Best image capturing, processing and archiving technology.
  - Presets for diverse applications.
- More than 1,50,000 images storage capacity in 1K x 1K format.
- User preference : customized user selectable imaging parameters.
- Image processing software with real time image capturing, storage and display in 1K x 1K format.
- DICOM 3.0 compatible.



## A PERFECT DIGITAL IMAGING CHAIN

High Res. Camera  
(1K x 1K)

Synergy LDHD Imaging Memory  
(1K x 1K)

Processing Software  
(1K x 1K)

## ADVANTAGES

- Larger SID : Surgeons get more space and can easily perform the surgery.
- Better compatibility with Lithotripters of different makes.
- In lateral views, patient positioning can be done easily.



## SALIENT FEATURES

- Powered by Synergy LDHD (1K x 1K) imaging system.
- More free space due to larger SID.
- Actuator assisted C-Arm with 19" medical display monitors mounted on trolley.
- User selectable FPS upto 15 FPS.
- Parallel shutter collimator.
- DICOM 3.0 connectivity.

## OPTIONAL FEATURES

- Preview collimator.
- Laser centering device.

## SUPERB DIGITAL IMAGING WITH REFINED POST PROCESSING FEATURES

