

passion to lead
EPSILON

EPSILON  Solution

F7D HD SERIES



kW: 3.5 / 6

Certified & Approved By :



CML:3183251

ISO-13485:2016

FPD HD SERIES Mobile C-Arm Unit

FPD HD SERIES is a mobile C-Arm IMAGE INTENSIFIER system specially designed for Orthopedics Urology, Gastroenterology, Abdominal and other surgical procedures with superior image quality on single / double screen high resolution monitor.



Large FOV
It has an active region of 23.6 cm x 23.6 cm (9.3 x 9.3 in), a large field of view that dramatically increase imaging area capacity.

Versatile Design
Compact, slender panels provide more free space for C-Arm modalities. Light weight and convenient for diverse applications.

TIALIC
More efficient workflow with Time-Independent-Adaptive Low-Dose Image Correction technology. Avoid low signal-to-noise ratios caused by insufficient high voltage power.

Advance Technology
Direct-Deposit Csl combined with a precise balance of engineering factors. Panels developed for highly detailed, low-dose diagnostic imaging.

C-Arm Movements



Arc Orbital Rotation



Horizontal Movement



Vertical Movement



Axial / Pivotal Rotation / Angulation



Wig-Wag / Panning Movement



Control Panel

Epsilon **FPD HD SERIES** C-Arm System have very compact & soft touch micro processor based control panel. All the switches are symbolic, user friendly and reliable.

Prominent Features

Image Acquisition

- Transfer to reference Monitor
- Modes
 - Normal Fluoro
 - Snapshot (Single Image for better image quality)



Remote Control

- Most Used functions can be controlled via Remote control.



Image Storage and Data Management

- Auto anonymous patient creation for Emergency procedure
- Single Image save, Multi Frame (Run/cine-loop)
- Storage at full resolution of 1024 x 1024
- 1,00,000+ images at full resolution
- Export of images to USB in JPEG format



Live Processing Features

- Recursive Temporal Noise reduction upto 32 Frames in steps of one
- Brightness Adjustment, Contrast Adjustment, Sharpness Adjustment
- Image Rotation, Image Flip
- Image Invert, Last Image Hold
- Zoom in – Zoom out
- Digital Zoom to acquire (configurable)

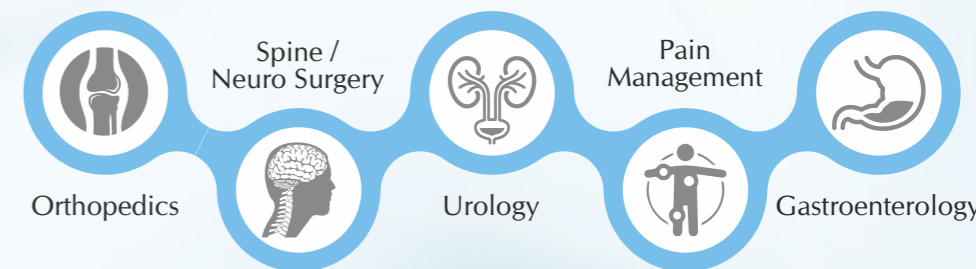


Unique Features

- Optimal Dose Indicator algorithm (ODI) for easy information to user to get optimal image quality. Indicator tells user when optimal dose is reached.
- Anatomy wise study selection with customised image parameter settings for each anatomy
- Realtime live digital zooming in fluoroscopy mode for precision.
- Remote service access.



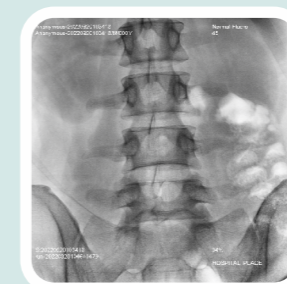
Designed dedicatedly for superior imaging for procedures in



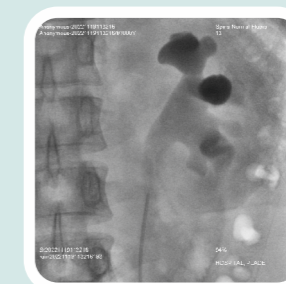
Clinical Images



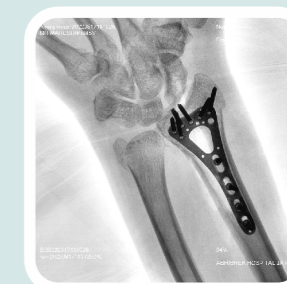
Cervical



Spine



PCNL



Hand Implant

Technical Specifications

SPECIFICATIONS		HIGH FREQUENCY C-ARM SYSTEMS (HD SERIES)	
MODEL	EP VICTORY HF - 3.5 Advance	EP VICTORY RA-6	
FLAT PANEL DETECTOR			
Detector Size	236.5 x 236.5 mm (Effective Active Area)		
Panel Type	Amorphous silicon Active TFT / Diode array		
Scintillator	Direct-Deposit csl : TI		
Pixel Array	1536 x 1536		
A/D Conversion	16 bit		
Resolution	3.2 lp/mm(1x1). 1.6 lp/mm(2x2)		
FPS	Upto 30		
GENERATOR			
Max Output (KW)	3.5	6	
Fluro KVMax.	110	120	
Fluro mA Max.	3.5	5	
Radio KV Max.	110	120	
Radio mA Max.	80	100	
Radio mAs	1 - 200	1 - 200	
Fluro Boost Mode (Max. mA)	7	10	
TUBE HEAD, COLLIMATION, GRID			
Tube Head	Dual Focus Stationary	Dual Focus Rotating	
Focal Spot Size (mm)	0.6 & 1.5	0.3 & 0.6	
Collimation	Square Parallel Shutter / IRIS Collimator		
Grid	Anti Scatter Carbon Fiber		
CONTROL PANEL			
ADR / ABS Facility	Available		
Operating Modes	Continuous Fluoroscopy, Pulsed Fluoroscopy, Boost Fluoroscopy, ADR & Radiography		
STORAGE & DISPLAY			
LED Monitor	Single high resolution 27" LED, Full HD Monitor with Split Screen/ 19" LED Dual Monitor		
Memory	1,00,000+ Images - PC based software driven		
POWER REQUIREMENT			
Stabilizer / Online UPS	Standard		
Power Required	1Ø 190-240 VAC 50 Hz with 15 Amps Power Socket (Required Proper Line Earthing)		

MECHANICAL CHARACTERISTICS			
Vertical Movement	430 ± 5 mm	Horizontal Movement	230 ± 5 mm
Wig-Wag / Panning	± 12.5°	Axial / Pivotal Rotation / Angulation	± 180°
Orbital Movement	125° (-35° to + 90°)	S.I.D.	980 mm
Arc Depth	681 mm	Clearance	793 mm

OTHER FUNCTIONS			
Emergency STOP	Foot Switch	Steering Handle for Movement	Locks for all Movement

Due to continuous R & D for product development and improvement in design, specifications, appearance & Data indicated might be vary from the product illustrated in the catalogue.

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