

passion to lead
EPSILON



FPD HD SERIES

True Digital  Solutions

Certified & Approved By :



Introducing our leading-edge C-arm system with advanced Flat Panel Detector technology, which offers unmatched image quality, improved precision, and smooth workflow integration for better patient care and accurate diagnosis. Which is specially designed for Orthopaedics, Urology, Gastroenterology, Abdominal and other surgical procedures.

WHY EPSILON !

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 CsI combined with a precise balance of engineering factors. Panels developed for highly detailed, low-dose diagnostic imaging.

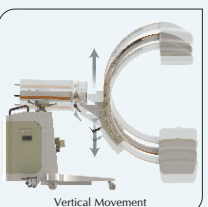
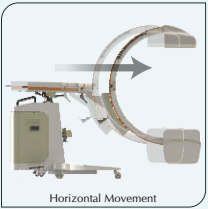
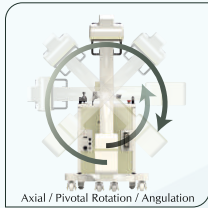
Versatile Design

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

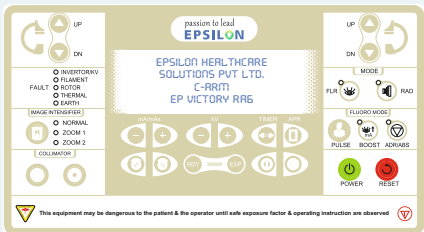
Large FOV

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.

C-Arm Movements



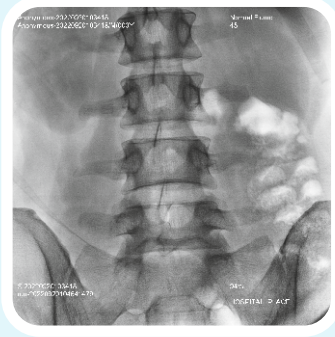
Control Panel



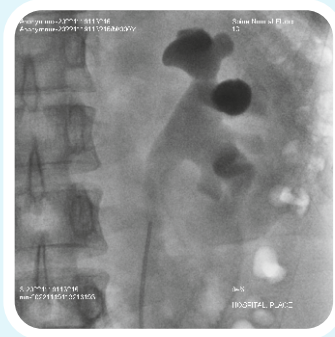
Clinical Images



Cervical



Spine



PCNL



Hand Implant



Notable aspects

Intraoperative imaging

Our C-arm intraoperative imaging solutions offer unparalleled precision, revolutionizing surgical outcomes like transfer image to reference, normal fluoro and snapshot mode (single image for better image quality)

Instantaneous image analysis

Our C-arm offers advanced live processing features, including recursive temporal noise reduction, brightness, contrast, and sharpness adjustments, last image hold, as well as zoom in/out and digital zoom with configurable acquisition.

Image Storage and Data Management

advanced features for emergency procedures, including auto anonymous patient creation, single image and multi-frame (run/cine-loop) storage at full 1024 x 1024 resolution, convenient image export to USB in JPEG format.

Image Assist

Through the use of customized image settings, anatomy-specific study selection, real-time digital zoom in fluoroscopy mode for accurate imaging, and remote service access for improved usability, the Optimal Dose Indicator (ODI) algorithm leads users to the best possible image quality.



Technical Specifications

SPECIFICATIONS	HIGH FREQUENCY C-ARM SYSTEMS (FPD HD SERIES)		
MODEL	EP VICTORY HF - 3.5 Advance		EP VICTORY RA-6
	FLAT PANEL DETECTOR		
Panel Type	Amorphous silicon Active TFT / Diode array		
Scintillator	Direct-Deposit csl : TI		
A/D Conversion	16 bit		
	GENERATOR		
Max Output (KW)	3.5	6	
KV Max.	110 / 120*	120	
Fluro mA Max.	3.5	5	
Radio mA Max.	80	100	
Radio mAs	0.5 - 300	0.5 - 300	
Fluro Boost Mode (Max. mA)	8	10	
	TUBE HEAD, COLLIMATION, GRID		
Tube Head	Dual Focus Stationary		Dual Focus Rotating
Collimation	Square Parallel Shutter / IRIS Collimator		
	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		
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)		
	OTHER FUNCTIONS		
Emergency STOP	Foot Switch	Steering Handle for Movement	Locks for all Movement

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

* Optional.

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

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