

FPD DOXA SERIES DR PLUS



For Multi-Speciality hospitals and healthcare centers !



Rotational Movement



Swivel Movement



Orbital Movement



UP/Down Movement
and Transverse Movement

TECHNICAL SPECIFICATION

C-ARM X-RAY MACHINE

High Frequency C-Arm machine diagnostic equipment for general-purpose fluoroscopy, it is designed for **Orthopedics, Neurology, Urology, Cardiology, Gastroenterology**. Make: X-TECH MEDICAL SYSTEMS Pvt. Ltd. (AERB, BIS, Compliance with FDA & CE & IEC60601-2-52:2009, ISO 9001:2015, ISO 13485:2016, ISO 14001:2015, ISO 10002:2014, ISO 45001:2018 APPROVED, ALL the machine tested in NABL accredited QA Agency)

Image Performance

DQE (1x1 @ RQA 5, 0.9 Gy) ~80% (@0.0 lp/mm), ~65% (@1.0 lp/mm), ~43% (@2.0 lp/mm), ~22% (@3.0 lp/mm)

Software : PATIENT ADMINISTRATION

- 1.Add New Patient
2. Modify Patient Details
- 3.Delete or search Patient data
- 4.Add/Modify Doctor Information
- 5.Add procedure information

IMAGE ACQUISITION

1.Acquisition at 1024x1024@16 bits per pixel @15 FPS

2.Transfer to Reference Monitor

OPERATING MODES:- Normal Fluoro; Snapshot(Single image for better image quality)

LIVE IMAGE PROCESSING

- | | |
|--------------------------------------|------------------------------------|
| 1.Frame Average upto 32 Frames | 2.Brightness & Contrast Adjustment |
| 3.Image Rotation (1 degree) | 4.Image Flip/Mirror |
| 5.Image Invert | 6.Last Image Hold |
| 7.Boosting Time Less Than 50 seconds | |

IMAGE STORAGE

1. Storage at full resolution of 1024x1024@16 bits per pixel
2. 2,00,000 images at full resolution
3. 1000 runs of 200 frames

IMAGE POST PROCESSING

- | | | |
|-------------------------------|------------------------------------|---------------------------------|
| 1.Previous/Next Frame Viewing | 2.Previous/Next Run Viewing | 3.Image Invert |
| 4.Zoom in/zoom out | 5.Brightness & contrast adjustment | 6.Annotations & Measurements |
| 7.Image Rotation(1 degree) | 8.Image Flip/Mirror | 9.Frame by Frame Viewing of Run |

ON SCREEN DISPLAY

1. Shows Key Patient Information on Screen
2. Shows Hospital Name on Screen
3. 3840x2160 UHD

REMOTE CONTROL

Most used functions can be controlled via Remote Control

UNIQUE FEATURES-ARTIFICIAL INTELLIGENCE ENABLED

1. Optimal Dose Indicator algorithm(ODI) for easy information to doctor/technician to get optimal image quality
2. This is useful even when used in Manual X-Ray mode. No need to adjust X-ray continuously. Indicator tells user when optimal dose is reached
3. AI & Deep Learning

EXPORT MEDIA

1. Export of Runs to USB. AVI plays in all laptops include i-MAC/i-Pads
2. Export of AVI can be configured to hide patient data to protect privacy of patients

Monitor : 27 inches
C-Arm Movement : Rotation> 180 degree
Motorized Up/down: 420mm
Horizontal Travel:200mm
Arc Orbital Movement: 120 degree
Swivel movement 12.5 Degrees (Both Side).
Source to image distance-940mm

Maximum output : 6kW
Maximum kV : 120
Power input : 220V AC, 50 HZ, 16A
Display : Digital
Fault Finding : Self Diagnostics
Overload Protection : Simultaneous Protection from input voltage.
Voltage compensation : AUTOMATIC

Advanced Technology

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





X-TECH

Our Support Your Success

X-TECH MEDICAL SYSTEMS PVT. LTD.

CERTIFIED BY
ISO 9001
ISO 13485
ISO 14001
ISO 10002
ISO 45001
AERB & BIS

Compliance with CE & FDA
IEC60601-2-52-2009
NABL Accredited QA Lab
CDSCO Approved



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