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Radiology Product

01 Dental X-ray Wall Mounting Model.....3

02 Dental Portable X-ray Handheld.....5

03 LF Real Portable X-ray Machine-50 MA.....7

04 HF Frequency X-ray Mobile Radiography.....9

05 LF-100 MA Ultra Mobile X-ray.....11

06 HF Mobile X-ray Machine.....14

07 HF Fix Radiography X-ray Machine.....16

08 HF- Radiography E fluoroscopy X-ray.....18

09 HF 9" HD C-Arm IITV System.....20

10 HF Digital C-Arm with FPD.....23

11 Flat Panel Detector.....26

12 HF- Mobile Digital Radiography.....28

13 HF- ECODR Digital Radiography Systems.....31

14 Premier DR Digital Radiography Systems.....34

15 Fixed Digital Radiography System.....37

16 HF- Full Room Digital Radiography Systems.....40

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Dental X-ray Wall Mounting Model – ADV-D10

The product incorporates advanced features such as a microprocessor-based digital timer with 0.1-second accuracy, ensuring precise exposure control.

It offers user-friendly operation with a hand-operated switch for X-ray exposure and soft-touch buttons for easy setting of exposure time. Additionally, it provides installation flexibility with options for both Stand Type and Wall Type models.

Treatments:

- It enables accurate imaging of teeth and surrounding structures for diagnostic and, treatment purposes **(Dental Radiography).**
- Provides detailed images necessary for root canal treatment and assessment of tooth pulp health **(Endodontic Treatment).**
- Allows for precise assessment of tooth alignment and bone structure for orthodontic treatment planning **(Orthodontic Evaluation).**

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Technical Specification:

Parameter	Specification
Anode KVP	70 KV
Focal Spot	0.5 mm Square
Anode Current	10 mA
Focal Distance From Film	20 Cm
Max. Power	1.5 kW
Power Supply	230 V 50 Hz(+/-10)

Exposure Chart:

Region Maxillary	Ver. Angle	Time In Sec.
Incisor	+55°	0.40
Cuspid	+45°	0.60
Bicuspid	+35°	0.80
Molar	+20°	1.20

Mandibular:

Region Maxillary	Ver. Angle	Time In Sec.
Incisor	-20°	0.40
Cuspid	-15°	0.60
Bicuspid	-10°	0.80
Molar	-5°	0.80

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Dental Portable X-ray Handheld – ADV-HF150W

The High Frequency Portable Dental X-Ray Unit leverages advanced battery technology, specifically a replaceable Li-ion battery, which provides a reliable power source allowing for more than 200 X-rays per charge. This feature not only maximizes operational efficiency but also ensures consistent performance, crucial for dental diagnostics in settings where power supply might be unstable or unavailable. This self-contained power system enhances the unit's usability in mobile dentistry and in-field dental services, supporting dental health accessibility in diverse environments.

Treatments:

- This device is primarily used for the diagnosis of dental and jaw issues through X-ray exposure.
- It utilizes intraoral image receptors to capture detailed images of the teeth and jaw area, facilitating accurate diagnosis and treatment planning in various dental procedures.

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Technical Specification:

Parameter	Specification
Input Power	21.6V dc AC: 100-265 V AC, 50Hz
Battery Type	Li-ion, Replaceable
Battery Charger	26V, 750mA
Battery Charger Input Voltage	100-265 V AC, 50HZ
Maximum Duty Cycle	1:60
Output Power	150W nominal @ 70kV & 2.3mA
Output KV	70 kV DC
Tube Current	2.3 mA
Focal Spot	0.4 mm
Exposure Time	0.05s - 1.0s
No. Of X-ray Per Charge	>200
Source – Skin Distance	20 cm, fixed
Irradiated Field	60 mm round
Collimator	Circular lead lined 20 cm length from tube focus & dia : 60 mm as per AERB Specs. Maximum focus distance from source to skin : 20 cm
Weight	2.5 kg





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LF Real Portable X-ray Machine – 50 MA

ADV-D50

The ADV-D50 operates on the principle of full wave rectification, which enhances the efficiency of X-ray production by utilizing both halves of the AC cycle, leading to better image quality and reduced exposure times. The machine incorporates a microprocessor-based digital timer, which improves the precision of exposure times down to 0.01 seconds. The stationary anode X-ray tube is designed to provide durability and consistent performance, essential for portable machines that require frequent transport and setup in various environments.

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Treatments:

The ADV-D50 is designed to facilitate medical diagnostics in a variety of settings where traditional hospital-based radiology services are inaccessible or impractical. It is particularly beneficial for use in intensive care units, nursing homes, prisons, and shelters for the homeless.

The machine supports a range of diagnostic imaging, capable of delivering varying intensities. This variability in output allows for flexibility in diagnosing different conditions from fractures to more complex internal issues, ensuring that healthcare providers can offer accurate assessments directly at the point of care.

Technical Specification:

Model Name	ADV-D30	ADV-D50
Output	30 mA.AT 50 kV 20 mA.AT 68 kV 15 mA.AT 85 Kv	50 mA.AT 52 kV 40 mA.AT 65 kV 35 mA.AT 75 kV 30 mA.AT 85 kV
X-RAY TUBE	Stationary Anode X-Ray Tube	40 kV DC to 125 kV DC (1 kV Step)
TIMER	0.02 To 5.0 Sec.(23 Steps)	10 mAto 100mA
WEIGHT	15 kg	0.1 to 200 mAs
POWER REQUIERMENTS	230 VAC / 15 A / 50 Hz / ± 10%	230 VAC / 15 A / 50 Hz / ± 10%
TYPE OF GENERATOR	Full Wave Rectified	Full Wave Rectified
OPTICAL ACCESSORIES	Carrying Case	Carrying Case
Voltage compensator, collimator, voltmeter & mA Meter provided		

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HF Frequency X-ray Mobile Radiography –

ADV-HF 5kW

The ADV-HF 5 operates using high-frequency X-ray generation (100 kHz), enhancing imaging efficiency and quality while reducing radiation exposure. It features an Anatomical Programme (APR) that automatically adjusts exposure settings based on the patient's body specifics, optimizing image clarity and safety.

The device also includes safety features such as over-voltage, over-current, and temperature protections, ensuring reliable performance in various conditions.

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Treatments:

ADV-HF 5 is ideal for a wide range of radiographic needs in medical settings. It supports fixed radiography with high-frequency output and automated positioning capabilities, ensuring high-quality diagnostic images with minimal radiation exposure. This enhances safety for both patients and operators. Its automated and adjustable features allow for precise and efficient imaging across various patient physiques and specific examination areas.

Technical Specification:

Parameter	Specification
Application	Fixed Digital Radiography System
Generator Type	High Frequency Output (100 kHz)
Input Voltage	220-240 VAC, ±10% Line Regulation, 3 Phase
Maximum Output	5 kW
Rad KVP Range	40 kV DC to 125 kV DC (1 kV Step)
Rad MA Range	10 mAto 100mA
Rad MAS Range	0.1 to 200 mAs
Radiation Time Range	0.001 to 4 sec
Control Panel	Touch Screen Keyboard
X-ray Tube	Stationary Anode Tube Dual Focus
X-ray Focal Spot	SF: 0.6 mm x 0.6 mm, LF: 1.8 mm x 1.8 mm
Tube Stand	Mobile Stand with Motorised Up Down Movement
Protections	Over Voltage, Over Current, Over Temperature Earth Fault, Filament Fault, Rotor Fault





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LF-100 MA Ultra Mobile X-ray - ADV-D100

The machine features advanced microprocessor-based technology for operational ease and reliability. It ensures exceptional image quality through microprocessor- controlled line voltage compensation and an electronic stabilizer card for the mA circuit. The design includes dual exposure switches and a motorized tube stand for vertical movement, enhancing the ease of conducting X-rays without moving the entire machine.

The machine features advanced microprocessor-based technology for operational ease and reliability. It ensures exceptional image quality through microprocessor- controlled line voltage compensation and an electronic stabilizer card for the mA circuit. The design includes dual exposure switches and a motorized tube stand for vertical movement, enhancing the ease of conducting X-rays without moving the entire machine.

Its compact and flexible design, combined with ultimate mobility and a smart card modular system, ensures both ease of use and serviceability. Additionally, the machine includes auto-shutdown features to conserve energy extend the machine's lifespan.

Introducing new generation ARP Mode in 100mA line frequency machines

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Treatments:

This mobile X-Ray machine is designed for versatile use in various hospital environments, including in-patient areas, NICU, ICU, operation theaters, patient rooms, and critical care suites. It is suitable for a broad range of diagnostic imaging purposes across these departments, enhancing patient care by allowing for immediate radiography in situ.

Technical Specification:

Parameter	Specification
Power Supply Requirement	1 Phase
Input Rating	230VAC / 15A/ 50Hz /±10%)
Line Resistance	0.4 Omm2
Output Rating	8 kW
Control Panel	Microprocessor controlled feather touch operated with APR
Rad KVP Range	40 - 100 kVp
Rad MAS Range	1 -250 mA
Rad MA Range	25-100 mA
Radiation Exposure Time	0.01 - 6.0 Sec
Digital Display	KV, mA, mAs, Timer (Displayed on Control Panel)
X-ray Tube	Stationary anode
Tube Type	Monoblock
Rectification	Full Wave Rectification
X-ray Focal Spot	2.6 mm2
Mobile Tube Stand	Motorize Up-Down Movement Tube Stand
Optical Bucky Table With Moving Grid	Horizontal Bucky Table 2- Way Floating Bucky Table 2- Position Bucky Table

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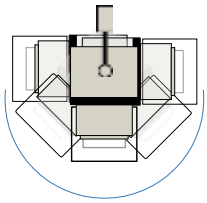
Easy to handle E Compact

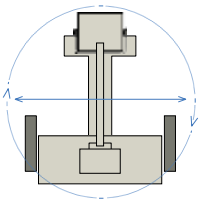
strong Handler with smart visualizer display

Small footprint Small footprint

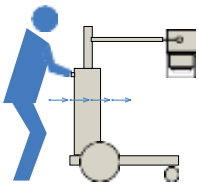
Cassette cabinet E Sturdy brake system



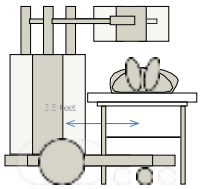
180° Rotation



Minimum Footprint



Light, therefore easy to move



Easy sliding for convenience

Clinical Output:

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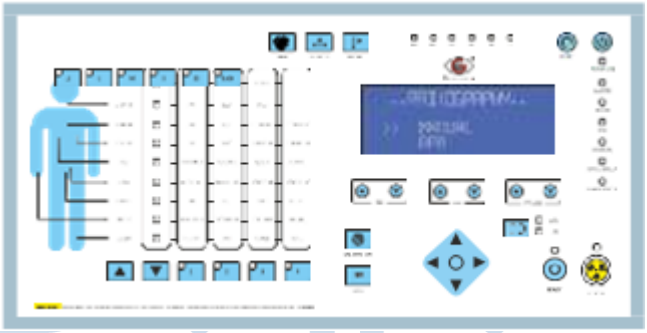
HF Mobile X-ray Machine - ADV-HF 5,6,8,10,15

The ADV HF Series Mobile X-Ray Systems feature a high-frequency generator that ensures high-quality imaging with minimal radiation exposure. The models come equipped with a user-friendly 15" touch screen LCD display for easy operation, supporting both stationary and rotating anode X-ray tubes to optimize image resolution.

Their compact, lightweight design enhances mobility and includes safety features like overvoltage and temperature protections, making them both practical and secure for use in fast-paced medical settings.



- Compact, Light Weight And Thoughtful Design.
- User-friendly keyboard with 5.5" TFT (APR) display.
- Microprocessor Based Apr Control System.
- Great image quality.

Rotating Anode X-rayTube

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Treatments:

The ADV HF Series is designed for mobile digital radiography, extensively used across various hospital settings including in-patient wards, NICU, ICU, Operation Theaters, Patient Rooms, and Critical Care Suites. This versatility facilitates imaging procedures directly at the point of care, reducing the need for patient transport to radiology departments.

Technical Specification:

Model Name	ADV HF 4kW	ADV HF 6kW	ADV HF 8kW	ADV HF 10kW	ADV HF 15kW
Application	Mobile Digital Radiography				
Generator Type	High Frequency Output(Maximum 200 kHz)				
Input Voltage	230V ± 10% AC, 50Hz, Single Phase				
Max. Output	4kW	6kW	8kW	10kW	15kW
Rad KVP Range	40-120 kV		40-120 kV		
Rad MA. Range	20-100 mA	20-150 mA	20-200 mA	20-250 mA	20-300 mA
Rad MAS. Range	0.1-200 mAs	0.1-200 mAs	0.1-250 mAs	0.1-250 mAs	0.1-250 mAs
Rad Time Range	0.004 to 5 Sec	0.004 to 5 Sec	0.004 to 5 Sec	0.004 to 5 Sec	0.004 to 5 Sec
Control Panel	15" Touch Screen LCD Display WithAPR Mode				
"X-ray Tube (Monoblock)"	Stationary Anode X-Ray Tube		Rotating Anode X-Ray Tube		
X-ray Focal Spot	2.0 mm X 2.0 mm		Small : 0.8 mm X 0.8 mm . Large : 1.3 mm X 1.3 mm		
Tube Stand	Motorize Up-Down Movement Tube Stand				
Mobile Unit Dimension	1030 mm L X 635 mm W X 2080 mm H (40.5" X 25" W X 82" H)				
Protection	Over Voltage, Over Current, Over Temperature, Earth Fault, Filament Fault, Rotor Fault				




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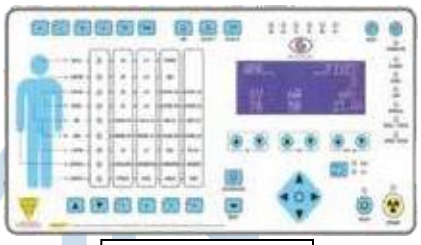
HF Fix Radiography X-ray Machine –

ADV-HF 15,40,65 kW

The ADV-HF 15/40/65 High Frequency Radiography X-Ray Generators offer advanced performance with higher output and lower skin dose. Featuring precise parameter selection, consistent output, and enhanced imaging speed, they ensure superior image quality and patient comfort.

Supported by a robust control system and safety features, they provide reliability and ease of use for various radiographic applications.



Control Panel

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Treatments:

It is designed for fixed radiographic setups, providing consistent imaging capabilities across various anatomies **(Fix Radiographic Applications)**. It is compatible with both traditional film-based radiography and modern CR-DR systems, offering versatility in imaging processes **(Film and CR-DR Based Radiography)**.

Technical Specification:

Model Name	ADV HF 15kW	ADV HF 32kW	ADV HF 40kW	ADV HF 50kW	ADV HF 65kW	ADV HF 80kW
Application	Fix Radiographic					
Generator Type	High Frequency Output(Maximum 80 kHz)					
Input Voltage	400-480 V AC ± 5% - 50Hz, 3 Phase					
Max. Output	15kW	32kW	40kW	50kW	15kW	15kW
Rad KVP Range	40kV DC to 125 kV DC					
Rad MA. Range	10-300 mA	10-400 mA	10-500 mA	21-630 mA	10-800 mA	10-1000mA
Rad MAS. Range	0.1-500 mAs	0.1-500 mAs	0.1-500 mAs	1-630 mAs	1-800 mAs	1-1000mAs
Rad Time Range	0.004 to 6 Sec	0.004 to 6 Sec	0.004 to 6 Sec	0.004 to 6 Sec	0.004 to 6 Sec	0.004 to 6 Sec
Control Panel	LCD Display with Feather touch Switches and APR Mode					
X-ray Tube	Rotating Anode Tube			Rotating Anode Tube		
X-ray Focal	Small : 1.0 mm X 1.0 mm		Small : 0.6 mm X 0.6 mm		Small : 0.6 mm X 0.6 mm	
	Small : 1.0 mm X 1.0 mm		Small : 1.5 mm X 1.5 mm		Small : 1.2 mm X 1.2 mm	
X-ray Focal Spot	2.0 mm X 2.0 mm		Small : 0.8 mm X 0.8 mm . Large : 1.3 mm X 1.3 mm			
Tube Stand	Column Stand for X-Ray Tube with Movements Covering Full Length of X-Ray Table					
Protection	Over Voltage, Over Current, Over Temperature, Earth Fault, Filament, Rotor Fault					





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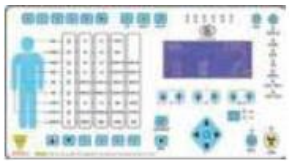
HF Radiography E Fluoroscopy X-ray–

ADV-HF 40,50,65,80 kW

High-frequency radiography and fluoroscopy X-ray systems employ advanced HF Generator Series for precise radiographic capabilities. Utilizing micro-processor-based controls, these systems minimize patient dose while maximizing image quality.

Features include kV selection, automatic tube calibration, and field upgradeability, ensuring optimal performance in various medical imaging applications.



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Treatments:

Utilize HF Generator Series in medical settings for efficient radiographic imaging. With user-friendly controls, select appropriate kV and exposure time based on patient and body part thickness. The system's automatic tube calibration and low kV ripple enhance image quality, aiding accurate diagnosis while ensuring patient safety through minimized radiation exposure.

Technical Specification:

Model Name	ADV HF 40kW	ADV HF 50kW	ADV HF 65kW	ADV HF 80kW
Application	Fix Radiographic			
Generator Type	High Frequency Output(Maximum 80 kHz)			
Input Voltage	440-480 VAC + 5% , 50Hz, 3 Phase			
Max. Output	ADV HF 40kW	ADV HF 50kW	ADV HF 65kW	ADV HF 80kW
Rad KVP Range	40kV DC to 125 kV DC			
Rad MA. Range	10-500 mA	10-630 mA	10-800 mA	10-1000mA
Rad MAS. Range	0.1-500 mAs	0.1-630 mAs	0.1-800 mAs	0.1-800mAs
Control Panel	LCD Display with Feather touch Switches and APR Mode			
X-ray Tube	Rotating Anode Tube		Rotating Anode Tube	
X-ray Focal	Small : 1.0 mm X 1.0 mm	Small : 0.6 mm X 0.6 mm	Small : 0.6 mm X 0.6 mm	
	Small : 2.0 mm X 2.0 mm	Small : 1.5 mm X 1.5 mm	Small : 1.2 mm X 1.2 mm	
X-ray Focal Spot	2.0 mm X 2.0 mm	Small : 0.8 mm X 0.8 mm . Large : 1.3 mm X 1.3 mm		
Tube Stand	Column Stand for X-Ray Tube with Movements Covering Full Length of X-Ray Table			
Protection	Over Voltage, Over Current, Over Temperature, Earth Fault, Filament, Rotor Fault			

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HF 9” HD C-Arm IITV System– ADV-HF 3.5/6 kW

The Advin X-Ray HF 3.5 / HF 6 kW C-Arm integrates advanced technology with user-friendly design, offering superior imaging capabilities across medical specialties.

With high-frequency generators ensuring optimal image quality and reduced patient exposure, intuitive controls, precise mechanical specifications, and exceptional image clarity, it enhances safety and efficiency in orthopedics, urology, and abdominal surgery.

10” Touchscreen Display For C-Arm Function Control

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Treatments:

The Advin X-Ray C-Arm excels in orthopedics, urology, and abdominal surgery with its advanced imaging capabilities and intuitive design. In orthopedics, it provides high-resolution images and precise control modes for accurate device placement in trauma and spine surgeries. For urological procedures like lithotripsy, its automatic dose rate control and detailed imaging ensure precise guidance. In abdominal surgery, its ergonomic mobility and safety features support efficient procedures in gastroenterological and neurosurgical interventions, enhancing surgical outcomes across specialties.

Technical Specification:

Technical Specifications	ADV HF 3.5kW C-Arm	ADV HF 6kW C-Arm
Type Of Generator	100 KHz High Frequency	100 KHz High Frequency
Power Requirement	230V, 50Hz, Single Phase, 15 Amp ±10%	230V, 50Hz, Single Phase, 15 Amp ±10%
Tube Type	Dual Focus Stationary Anode	Dual Focus Rotating 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
Fluoroscopy KVP	40 kVp to 110 kVp (in 60 Steps)	40 kVp to 120 kVp (in 80 Steps)
Normal Fluoroscopy	0.1mA to 3.5mA	0.1mA to 5.0mA
HD Fluoroscopy	0.1mA to 8.0mA	0.1mA to 12.0mA
Fluoroscopy Timer	5 Min. Cumulative (Temperature Controlled)	5 Min. Cumulative (Temperature Controlled)
Radiographic KVP	40kVp to 110kVp(in 60 steps)	40kVp to 120kVp(in 80 steps)
Radiographic MA	20mA to 80mA	20mA to 100mA
Radiographic MAS	0.1 to 200 mAs (in 31 steps)	0.1 to 200mAs (in 31 steps)
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
Self Diagnostic	Self Diagnostic Errors For Protections	Self Diagnostic Errors For Protections
Automatic Dose Rate	ABS Control is Provided	ABS Control is Provided
Image Intensifie	9" Triple Field Image Intensifier	9" Triple Field Image Intensifier
Camera	High Resolution 1k x 1k HD Camera	High Resolution 1k x 1k HD Camera
Monitor	32" Full HD LED Monitor	32" Full HD LED Monitor
Memory	CPU Based digital imaging process (DIP) 1k x 1k HD Memory	CPU Based Memory with 1k x 1k HD Memory

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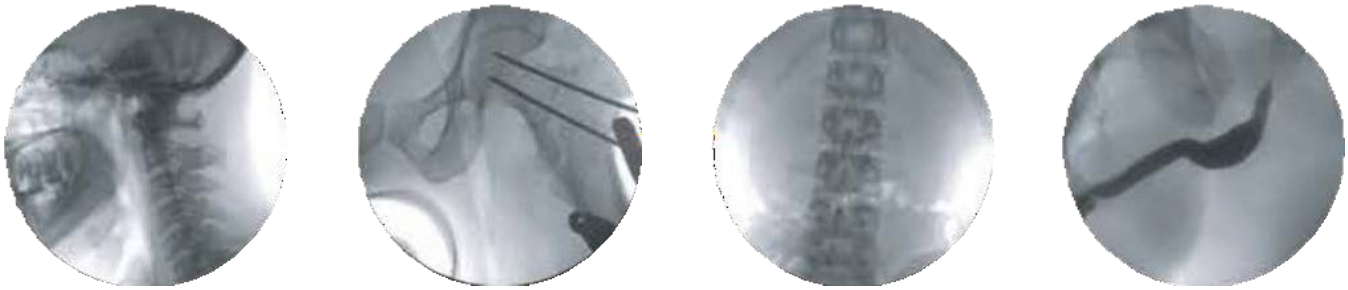
C – Arm Mechanicals	
Axial Rotation	±180°
Source To II Distance	900 mm
ARC Orbital Movement	125°
Swivel Range	±12.5°
Horizontal Movement	200 mm
Vertical Movement	400 mm
Clearance	775 mm
ARC-Depth	643 mm
Lateral Movement	Steering Handle
Locking Mechanism	Locks for all the mannual Movement of C-Arm

1.Swiveling	2.Axial Rotation	3.Arc Orbital Movement	4.Vertical Movement	5. Horizontal Movement

Clinical Output:



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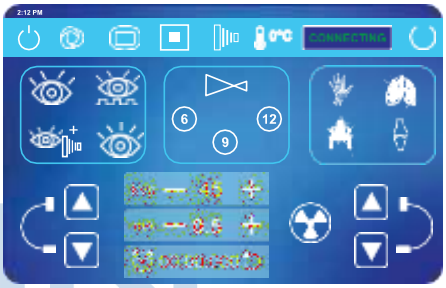
HF Digital C-Arm With FPD – ADV-HF 3.5/6 kW

The ADV HF C-ARM integrates advanced technology to optimize imaging quality, dose control, and procedural efficiency across medical specialties. Its dynamic flat panel detector and intuitive control panel ensure superior resolution and seamless workflow integration.

With precise mechanical design and customizable imaging parameters, it offers exceptional quality and dose management. Smart features enhance imaging stability, improving clinical outcomes and patient safety.



10" Touchscreen Display for

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CE ISO 13485 ISO 9001:2015 WHO GMP

Treatment:

The ADV HF C-ARM revolutionizes medical imaging across orthopedics, gastroenterology, urology, neurology, cardiology, and spine surgery. Orthopedic surgeons rely on its precision for bone visualization and implant placement, while gastroenterologists navigate the gastrointestinal tract with clarity during ERCP and colonoscopies. Urologists leverage its flexibility for stone removal and prostate interventions. In neurology, it aids in delicate neural visualization, and in cardiology, it ensures accurate catheterization. For spine surgery, its extensive range of motion offers optimal spinalvisualization.

Technical Specification:

Technical Specifications	ADV HF 3.5kW C-Arm	ADV HF 6kW C-Arm
Type Of Generator	100 KHz High Frequency	100 KHz High Frequency
Power Requirement	230V, 50Hz, Single Phase, 15 Amp ±10%	230V, 50Hz, Single Phase, 15 Amp ±10%
Tube Type	Dual Focus Stationary Anode	Dual Focus Rotating 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
Fluoroscopy KVP	40 kVp to 110 kVp (in 60 Steps)	40 kVp to 120 kVp (in 80 Steps)
Normal Fluoroscopy	0.1mA to 3.5mA	0.1mA to 5.0mA
HD Fluoroscopy	0.1mA to 8.0mA	0.1mA to 12.0mA
Fluoroscopy Timer	5 Min. Cumulative (Temperature Controlled)	5 Min. Cumulative (Temperature Controlled)
Control Panel	10” Touch Screen Control Panel	10” Touch Screen Control Panel
Radiographic KVP	40kVp to 110kVp(in 60 steps)	40kVp to 120kVp(in 80 steps)
Radiographic MAS	0.1 to 200 mAs	0.1 to 200mAs
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
Self Diagnostic	Self Diagnostic Errors For Protections	0.1 to 200mAs
Automatic Dose Rate	ABS Control is Provided	0.1 to 200mAs
Image Intensifie	9" Triple Field Image Intensifier	9" Triple Field Image Intensifier
Camera	High Resolution 1k x 1k HD Camera	High Resolution 1k x 1k HD Camera
Monitor	32" Full HD LED Monitor	32" Full HD LED Monitor
Memory	CPU Based Memory With Advance Post Processing Features	CPU Based Memory with Advance Post Processing Features

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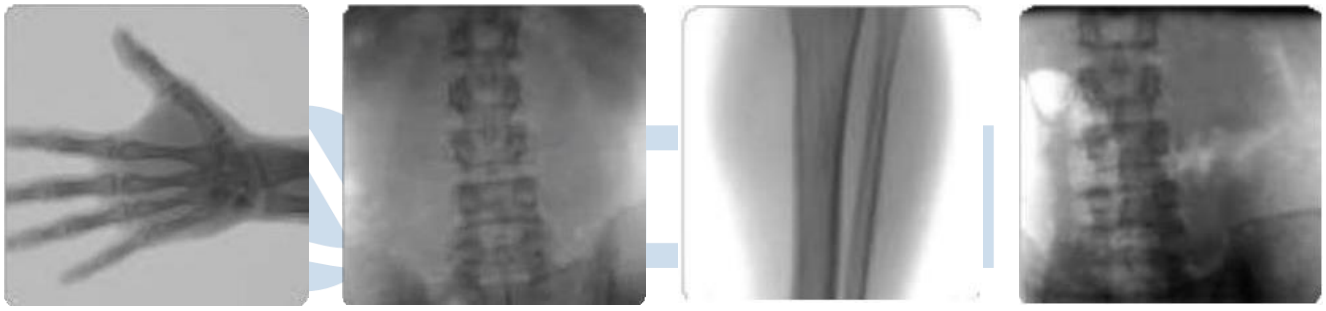
C – Arm Mechanicals	
Axial Rotation	±180°
Source To II Distance	95`0 mm
ARC Orbital Movement	125°
Swivel Range	±12.5°
Horizontal Movement	200 mm
Vertical Movement	400 mm
Clearance	775 mm
ARC-Depth	643 mm
Lateral Movement	Steering Handle
Locking Mechanism	Locks for all the mannual Movement of C-Arm

Clinical Output:



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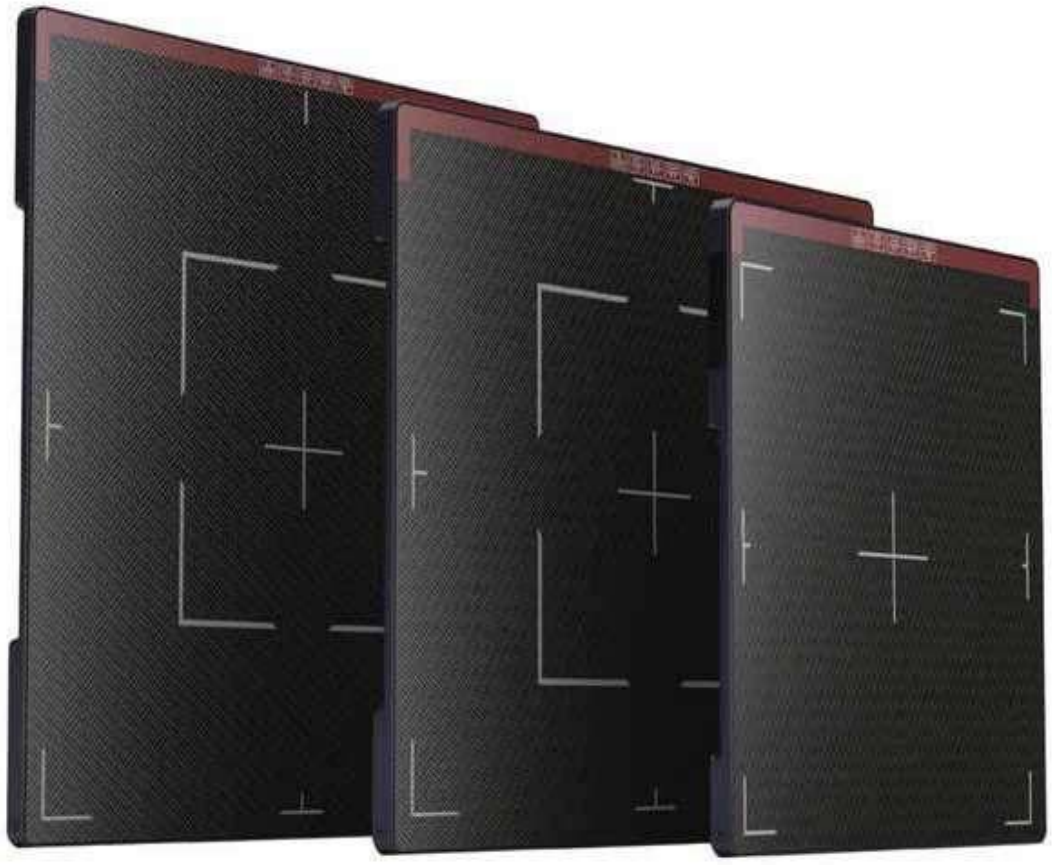
Flat Panel Detector – Prudent1717/1417/1212

Key Features:

- IGZO TFT Technology
- Enhanced AED
- Extended Battery Life
- Durable and Ergonomic Design
- User-Friendly Features



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Technical Specification:

Model	PRUDENT 1212	PRUDENT 1417	PRUDENT 1717
Application	General Radiography		
Conversion Screen	Csl / GOS		
TFT Panel	IGZO TFT/a-SiTFT		
Pixel Pitch			
Image Data (AD Conversion)	Pure 16 bit		
Image Resolution	2,048 x 2,048	2,500 x 3,052	3,072 x 3,072
Image Size	12x12 inch (287x287mm)	14x17 inch (350x427mm)	17x17 inch (430x430mm)
On-Board Storage	<200 Image	<150 Image	<100 Image
Wired/Wireless Communication	Gigabit Ethernet / IEEE 802.11ac		
Trigger Mode	High Sensitive 2xAED (Auto Exposure Detection)		
Calibration Mode X-ray Voltage Range	ACC (Auto Calibration Control) / Manual 40~150kVp		
Voltage	AC 100~240V, 50/60Hz, DC18V 3.5A50/60Hz, DC18V 3.5A		
Environment	Storage: -10°C ~ 60°C, 10% ~ 90% RH (non-condensing) Operation: 10°C ~ 35°C, 20% ~ 75% RH (non-condensing)		
Battery Type	Lithium-ion Polymer Battery		
Battery Full Operation Time	8 Hours	14 Hours	12 Hours
Dimensions	330 x 315 x 15 mm	385 x 461 x15mm	461 x 461 x 15 mm
Weight	1.6 kg / 2.0 kg	2.4 kg / 3.3 kg (dual battery)	3.0 kg / 3.9 kg (dual battery)
Durability			
*Weight Bearing For Whole Surface	<500 kg		
*Point Weight Bearing (4x4 cm)	<180 kg		
*Drop Test	Up to 100 cm		
*Water & Dust Resistance	IP67		

*Weight Bearing and Drop test measured based on Non-Glass TFT
*Prudent 1212 designed with single battery loading

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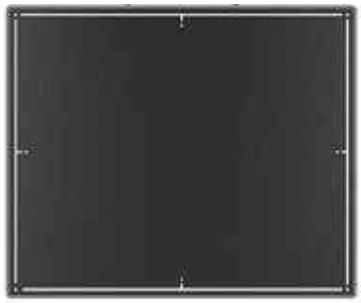
HF Mobile Digital Radiography –

(ADV HF 5, 6, 8, 10, 15 kW)

High-frequency mobile digital radiography systems offer advanced imaging capabilities with user-friendly touch screen consoles and integrated image acquisition reduction technology.

These systems minimize radiation doses, provide superior image quality with high-resolution pixels, and feature automatic exposure factor selection, enhancing diagnostic accuracy and efficiency.



Flat panel Detector

15” Touch Screen Control Panel

Rotating Anode X-ray Tube

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CE ISO 13485 ISO 9001:2015 WHO GMP

Treatment:

In mobile digital radiography, the compact, lightweight system enables easy transport and quick setup. Automatic up-down movement and self-diagnostic programs streamline the process. The touch screen display simplifies image review, ensuring fast and precise imaging, making it ideal for various clinical settings, including veterinary applications.

Technical Specification:

Model Name	ADV HF 5kW	ADV HF 6kW	ADV HF 8kW	ADV HF 10kW	ADV HF 15kW
Application	Mobile Digital Radiography				
Generator Type	High Frequency Output (maximum 200 kHz)				
Input Voltage	230V ± 10% AC, 50Hz, Single Phase				
Max. Output	5kW	6kW	8kW	10kW	15kW
Rad KVP Range	40-120 kV			40-120 kV	
Rad MA. Range	20-100 mA	20-150 mA	20-200 mA	20-250 mA	20-300 mA
Rad MAS. Range	0.1-200 mAs	0.1-200 mAs	0.1-250 mAs	0.1-250 mAs	0.1-250 mAs
Rad Time Range	0.004 to 5 Sec	0.004 to 5 Sec	0.004 to 5 Sec	0.004 to 5 Sec	0.004 to 5 Sec
Control Panel	15" Touch Screen LCD Display WithAPR Mode				
"X-ray Tube (Monoblock)"	Stationary Anode X-Ray Tube			Rotating Anode X-Ray Tube	
X-ray Focal Spot	2.0 mm X 2.0 mm		Small : 0.8 mm X 0.8 mm		Large : 1.3 mm X 1.3 mm
Tube Stand	Motorize Up-Down Movement Tube Stand				
Mobile Unit Dimension	1030 mm L X 635 mm W X 2080 mm H (40.5" X 25" W X 82" H)				
Protections	Over Voltage, Over Current, Over Temperature, Earth Fault, Filament Fault, Rotor Fault				

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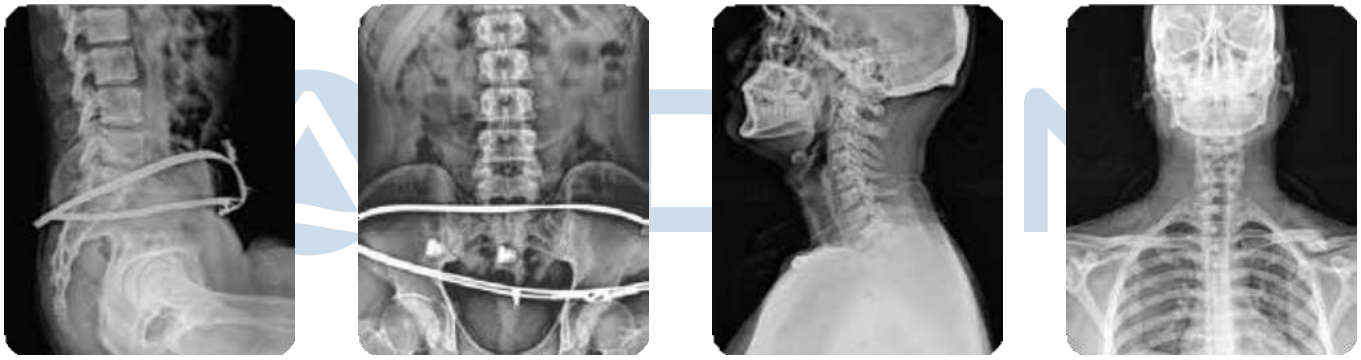
Parameter	Specification
Conversion Screen	Direct Diposit – Cesium Iodide
Photodiode	Amorphous Silicon
Size	43 cm x 35.6 cm
Active Image Matrix	3072 x 2560
Pixel Pitch	140 µm
Limiting Resolution	3.57 Ip/mm
DQE(Typical)	71% (0 Ip/mm)
A/D Conversion	16 bits
Weight	3.7 kg

Clinical Output:



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HF ECODR Digital Radiography System –

(ADV HF 15, 32, 40, 50, 65 ,80 kW)

The high frequency full room digital radiography system leverages advanced HF X-ray generators and a superior 14 x 17-inch flat panel detector for exceptional imaging.

Ensure, high-resolution digital radiography with a constant peak output, minimal soft-radiation, and precise parameter selection, enhancing diagnostic accuracy and reducing patient radiation exposure.

Superior Csl Wifi Dr Panel

Control Panel

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Treatments:

Using the HF full room digital radiography system, clinicians capture high-quality diagnostic images with sharp tissue differentiation. The system's wireless capabilities, extended battery life, and advanced software streamline workflows, enabling efficient and effective imaging for diverse clinical applications, improving patient care with reduced radiation doses.

Technical Specification:

Parameter	Specification
Detector Technology	Amorphous Silicon
Scintillator	Csl
Active Area(Inch)	14 x 17
Pixel Matrix	2304 x 2800
Pixel Pitch(UM)	150
Spatial Resolution	3.3
A/D Conversion(BIT)	16 bits
Battery Autonomy(H)	6 to 8 Hours/100 X-rays
WIFI	2.4G and 5G,IEEE802.11 a/b/g/n/ac
Trigger Mode	AED 9 (Optional)/Software
Internal Image Storage	200 Full Size Image
Full Image Time(S)	5
Dimensions(MM3)	384 x 460 x 15
Weight(KG)	3.3
Static Loading	150kg Uniformly
Ingress Protection	IP X 1
Operating Temperature(C)	5 -35
Storage & Transport Temperature With Package(°C)	-20 -55
Storage & Transport	-20 -55
Operating Humidity (%RH)	10 – 90 (Non-Condensing)
Storage & Transport Humidity With Package(%RH)	5 – 95 (Non-Condensing)

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Model Name	ADV HF 15kW	ADV HF 32kW	ADV HF 40kW	ADV HF 50kW	ADV HF 65kW	ADV HF 80kW
Application	Fix Radiography					
Generator Type	High Frequency Output (maximum 80 kHz)					
Input Voltage	400-480VAC + 5% - 50Hz, 3 Phase					
Max. Output	15kW	32kW	40kW	50kW	15kW	15kW
Rad KVP Range	40kV DC to 125 kV DC					
Rad MA. Range	20-100 mA	20-150 mA	20-200 mA	20-250 mA	20-300 mA	
Rad MAS. Range	0.1-200 mAs	0.1-200 mAs	0.1-250 mAs	0.1-250 mAs	0.1-250 mAs	
Rad Time Range	0.004 to 5 Sec	0.004 to 5 Sec	0.004 to 5 Sec	0.004 to 5 Sec	0.004 to 5 Sec	
Control Panel	LCD Display with Feather touch Switches and APR Mode					
"X-ray Tube (Monoblock)"	Rotating Anode Tube			Rotating Anode Tube		
X-ray Focal Spot	Small : 1.0 mm X 1.0 mm		Small : 0.6 mm X 0.6 mm		Large : 0.6 mm X 0.6 mm	
	Small : 1.0 mm X 1.0 mm		Small : 1.5 mm X 1.5 mm		Large : 1.2 mm X 1.2 mm	
Control Panel	LCD Display with Feather touch Switches and APR Mode					
X-ray Focal Spot	2.0 mm X 2.0 mm		Small : 0.8 mm X 0.8 mm . Large : 1.3 mm X 1.3 mm			
Tube Stand	Column Stand for X-Ray Tube with Movements Covering Full Length of X-Ray Table					
Protections	Over Voltage, Over Current, Over Temperature, Earth Fault, Filament Fault, Rotor Fault					

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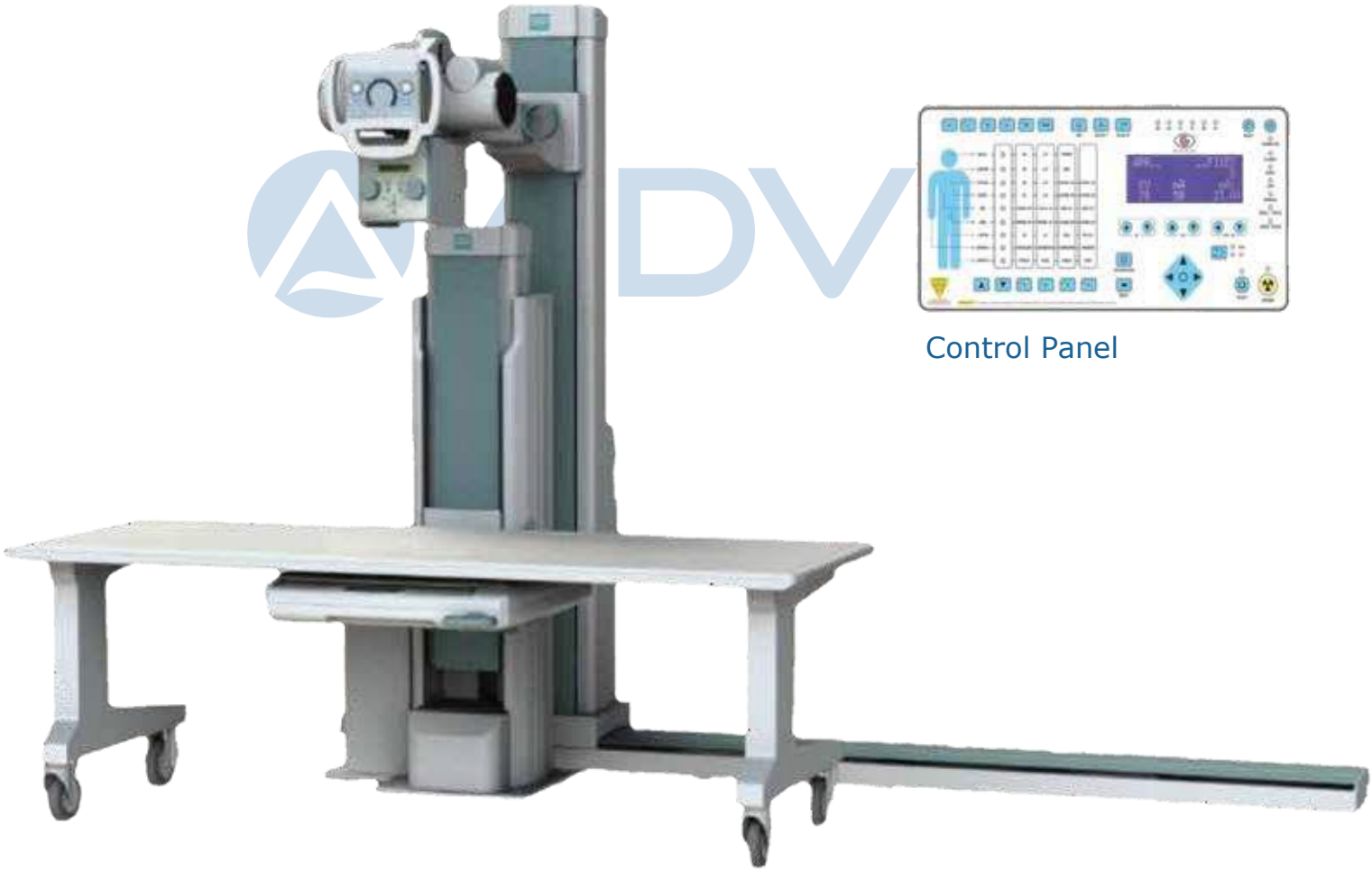
Premier DR Digital Radiography System –

(ADV HF 15, 32, 40, 50, 65 kW)

High-frequency mobile digital radiography systems offer advanced imaging capabilities with user-friendly touch screen consoles and integrated image acquisition reduction technology.

These systems minimize radiation doses, provide superior image quality with high-resolution pixels, and feature automatic exposure factor selection, enhancing diagnostic accuracy and efficiency.

Control Panel



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Technical Specification:

Model Name	ADV HF 15kW	ADV HF 32kW	ADV HF 40kW	ADV HF 50kW	ADV HF 65kW
Application	Fix Radiography				
Generator Type	High Frequency Output				
Input Voltage	440 VAC 5%, 50Hz, 3 Phase				
Max. Output	15kW	32kW	40kW	50kW	65kW
Rad KVP Range	40kV DC to 125 kV DC				
Rad MA. Range	20-300 mA	20-400 mA	20-500 mA	20-630 mA	20-800 mA
Rad MAS. Range	0.1-500 mAs	0.1-500 mAs	0.1-500 mAs	0.1-500 mAs	0.1-500 mAs
Rad Time Range	0.004 to 6 Sec	0.004 to 6 Sec	0.004 to 6 Sec	0.004 to 6 Sec	0.004 to 6 Sec
Control Panel	LCD Display with Feather touch Switches and APR Mode				
X-ray Tube	Rotating Anode Dual Focus (Shell Type)				
X-ray Focal Spot	Small : 1.0 mm X 1.0 mm Large : 2.0 mm x 2.0 mm		Small : 0.6 mm X 0.6 mm Large : 1.5 mm x 1.5 mm		
Tube Stand	Column Stand for X-Ray Tube with movements covering full Length of X-Ray Table				
Protections	Over Voltage, Over Current, Over Temperature, Earth Fault, Filament Fault, Rotor Fault				

Different Position:

(Chest X-Ray)

(Knee X-Ray)

(LAT X-Ray)

(Table X-Ray)

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Clinical Output:

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Fixed Digital Radiography System –

(ADV HF 40, 50, 65, 80 kW)

Fully motorized 3D ceiling suspended tube stand with table E vertical Bucky. Unlimited positioning freedom. Auto Position of system tube E detector as per APR view. Image Preview is available in less than 3 seconds (no long wait for patients).

Superb image quality due to fine pixels and high contrast range. Post-processing feature adds more to the image quality. High-resolution 3K x 3K detector. (Detector specific) DICOM 3.0 Compatible. Efficient and user-friendly workflow due to DICOM based system.

Control Panel

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Technical Specification:

Model Name	ADV HF 40kW	ADV HF 50kW	ADV HF 65kW	ADV HF 80kW
Application	Fixed Digital Radiography System			
Generator Type	Ultra-High Frequency Output (300 kHz)			
Input Voltage	440-480 VAC, ±10% Line Regulation, 3 Phase			
Maximum Output	ADV HF 40kW	ADV HF 50kW	ADV HF 65kW	ADV HF 80kW
Rad KVP Range	40 kV DC to 150 kV DC			
Rad MA Range	10mA to 500mA	10mA to 630mA	10mA to 800mA	10mA to 1000mA
Rad MAS Range	0.1 to 500mAs	0.1 to 500mAs	0.1 to 500mAs	0.25mA to 1000mAs
Radiation Time Range	0.004 to 6 Sec	0.004 to 6 Sec	0.004 to 6 Sec	0.001 to 6 sec
Control Panel	Feather Touch Micro- controller-based Keyboard Console			
X-ray Tube	Rotating Anode Tube			
X-ray Focal Spot	SF: 0.6 mm x 0.6 mm, LF: 1.2 mm x 1.2 mm			
Tube Stand Column	3D Ceiling Suspended Colum with Auto tracking Facility			
X-ray Table	Six Way Floating Table with Smart Bucky System			
Vertical Bucky	Over Voltage, Over Current, Over Temperature			
Protections	Earth Fault, Filament Fault, Rotor Fault			

Parameter	Specification
Conversion Screen	Direct Deposit - Cesium Iodide
Photodiode	Amorphous Silicon
Size	43cm x 43cm
Active Image Matrix	3052 x 3052
Pixel Pitch	140 µm
Limiting Resolution	3.6 lp/mm
DQE(Typical)	65% (0.5 lp/mm)
A/D Conversion	Pure 16 bit
Weight	2.4 kg / 3.3 kg (dual battery)

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Clinical Output:

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HF Full Room Digital Radiography System –

(ADV HF 15, 32, 40, 50, 65, 80 kW)

The high frequency full room digital radiography system leverages advanced HF X-ray generators and a superior 14 x 17-inch flat panel detector for exceptional imaging.

It ensures high-resolution digital radiography with a constant peak output, minimal soft-radiation, and precise parameter selection, enhancing diagnostic accuracy and reducing patient radiation exposure.

Control Panel

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Technical Specification:

Model Name	ADV HF 40kW	ADV HF 50kW	ADV HF 65kW	ADV HF 80kW
Application	Fix Radiography & Fluoroscopy			
Generator Type	High Frequency Output			
Input Voltage	440 VAC 15%, 50Hz, 3phase			
Maximum Output	40kW	50kW	65kW	80kW
Rad KVP Range	40kV DC to 125kV DC			
Rad MA Range	50mA to 500mA	50mA to 630mA	50mA to 800mA	50mA to 1000mA
Rad MAS Range	0.1 to 500mAs	0.1 to 500mAs	0.1 to 500mAs	0.25mA to 1000mAs
Radiation Time Range	0.004 to 6 Sec	0.004 to 6 Sec	0.004 to 6 Sec	0.001 to 6 sec
Fluoro KVP Range	40kV DC to 100kV DC			
Fluoro MA. Range	0.5 mA to 4 mA			
Control Panel	LCD Display with Feather touch Switches and APR Mode			
X-ray Tube	Rotating Anode Dual Focus (Shell Type)			
X-ray Focal Spot	Small : 1.0mm x 1.0mm	Small : 1.6mm x 1.6mm	Small : 0.6mm x 0.6mm	
	Large : 2.0mm x 2.0mm	Large : 1.5mm x 1.5mm	Large : 1.2mm x 1.2mm	
Tube Stand Column	Column Stand with Table for X-Ray Tube with movements covering full Length of X-Ray Table			
Protections	Over Voltage, Over Current, Over Temperature, Earth Fault, Filament Fault, Rotor Fault			

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"Advin House", Aarna Fortune, Garden Residency Road, B/H Chittvan, South Bopal, Ahmedabad, Gujarat, India.
Manufacturing Unit:
A10, Mahagujarat Industrial Estate, National Highway 47, Moraiya, Changodar, Gujarat, India
+91 76007 27250 www.advinhealthcare.com exports@advinhealthcare.com

Parameter	Specification
Detector Technology	Amorphous Silicon
Scintillator	Csl
Active Area(Inch)	17 x 17
Pixel Matrix	3072 x 3072
Pixel Pitch(UM)	139
A/D Conversion(BIT)	16 bits
Frame Rate(FPS)	5(1*1), 16 (2*2), 25 (3×3)
Data Interface	GigE
Energy Range(KV)	40~150
X-ray Exposure	Continuous and Pulse
Dimensions(MM3)	460 x 460 x 16
Weight(KG)	4
Power Dissipation(W)	25
Operating Temperature(C)	10~35
Operating Humidity (%RH)	-10~50
Storage & Transport Temperature With Package(°C)	20 ~ 90 (Non-Condensing)
Storage & Transport Humidity With Package(%RH)	10-95 (Non-Condensing)

Corporate Office Address:
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