

Fusion DR™

Emergency Response Mobile DR

- ✓ Ultra Light Solution
- ✓ High Resolution Image Instantly
- ✓ Tough Carry for Rugged Performance



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NOW WITH AirDR™ G3+ TECHNOLOGY



The Fusion DR™ is an integrated Flat Panel Detector and X-ray generator mobile system specifically designed for harsh emergency and disaster response environments.

Based on advanced technology and a tried and tested cesium iodide scintillating layer the X-ray detector offers higher sensitivity and better resolution. Combined with the premium 17"x17" AirDR G3+, the detector is supported by the Clarity PACS® and XC acquisition software and allows existing conventional and mobile X-ray units to be upgrade to DR technology with minimal effort.

The combination of the Fusion DR with the AirDR™G3+ incorporates a wireless inductive charger, which allows for the panel to charge whenever it is the panel base. Ensuring the battery will never need to be replaced. The panel also comes with multiple point wireless antennas embedded, ensuring a wire free workflow.

Made in the U.S.A., the Fusion DR imaging system is testament of American ingenuity and innovation. iCRco is a leader in providing medical imaging solutions for Americans, by Americans.

**No Battery
Exchanges Necessary**

**Intuitive Procedure
Based Workflow**

**Easy Connectivity and
Direct Workflow with XC**

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Wireless DR Panel Technical Specifications

Panel	Active TFT Amorphous Silicon / Diode Array, Carbon Fiber Construction
Pixel pitch / Microns	139 µm
Grayscale	16 bit
Total pixel number	3072 x 3072
Image Transfer Time	Wireless: 3000 ms
X-ray sensitive area	350 - 4000 ms
Dimensions	L 18.11" x H 18.11" x W .59 (46 x 46 x .15 cm)
Weight	7.2 lbs (3.1kg)
Wireless Data I/F	Gigabit Ethernet IEEE 802.11 n/ac 5 Gbps
X-ray I/F	Line Trigger : DR trigger Mode Auto Trigger: AED Mode
Weight Capacity	Maxamum Weight: 300kg
Typical MTF	> 56% at 1 lp/mm, >24% at 2 lp/mm, >10% at 3 lp/mm
Typical DQE	> 39% at 0 lp/mm, >28% at 1 lp/mm, >9% at 3 lp/mm
Spatial Resolution	3 lp/mm
Battery	Lithium Polymer, 1600 images over 8 hrs
Temperature	10°C to 40°C, 10-90% Room Humidity (non-condensing)
Wireless Mode	> 39% at 0 lp/mm, >28% at 1 lp/mm, >9% at 3 lp/mm

Portable X-Ray Source Technical Specifications

SPECIFICATIONS	High Frequency X-ray Generators
MODELS	SPL-HF- 4.0 SPL-HF - 8.0
CONSTANT POTENTIAL KW RATINGS	4.0 8.0
"kVp RANGE in 1kVp STEPS accuracy"	"40 to 125 ±5%"
HIGH FREQUENCY RIPPLE	300kHz
mA STATIONS	5, 6.4, 8, 10, 12.5, 16, 20, 25, 32, 40, 50, 64, 80, 100
"EXPOSURE TIME RANGE NUMBER OF STATIONS"	"0.001 - 10 seconds 41 (in 25% steps)"
"mAs RANGE NUMBER OF STATIONS accuracy"	"0.1 - 250 mAs 34 (in 25% steps) 5%"
"X-RAY TUBE Stationary Anode TWO Focal Spots: Anode Heat Storage Capacity Target Angle"	"Yes Yes 0.6 mm - 1.5 mm / 0.6 mm - 2.8 mm 40,000 HU 76,000 HU 12° 12°"
RED LASER POINTER	OPTIONAL
"POWER CORD EXPOSURE CORD"	"6 meters 3 meters"
LINE REGULATION	"Single-Phase Line Automatic Regulation AUTOMATIC OUTPUT POWER ADAPTATION TO POWER LINE CONDITIONS"
"LINE POWER REQUIREMENTS +/- 10% VAG (50/60Hz)"	110 VAC - 240 VAC 220 VAC - 240 VAC
WEIGHTS	The X-ray unit = 15 Kg The foldable stand = 28 Kg

XC™ Features

Includes XC - intuitive touch screen capable acquisition software
Smart scanning: manipulate acquired images while additional cassettes are being scanned
ICE-4 image processing: further manipulate images to your preference, automatically applies proper algorithms for an anatomy
Smart search, sort, and filter options
Integration with front office management systems like RIS and EMR
Full set of annotation and measurement tools
User-preferred settings and privileges

Additional Specifications

Standards	IEC 60601-1, IEC 60601-2, IEC 60601-1-6, FCC 47CFR PT 15, FCC OET 65C, ETSI EN 301 893, EN 62311, ISO 10993-5, ISO 10993-10, CE
Binned Mode (option)	Up to 8 fps for 2 x 2 binned, 200 µm pitch for a pixel matrix of 1778 x 2160"
Image Calibration (option)	On-board offset, gain and defective pixel corrections
Fast Preview (option)	4 x 4 binned quick preview image
WAP Mode (option)	Wireless Access Point functionality



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