AIR DR™

Innovative Direct Radiography

100 Micron TFT

16 Bit Resolution

15 Megapixel Sensor

Lower Dose CsI Scintillator | **Fastest** AED | **14" X 17"** Cassette-Sized DR

The **AirDR™** is equipped with a directly deposited Cesium iodide (CsI) scintillator which provides unparalleled image quality. The cassette-size **AirDR ™**minimizes patient dose and improves throughput, making it an innovative Fail-Safe Detector.

The **AirDR™** is our most advanced, low-dose digital radiography solution when paired with the robust and feature-rich image processing **XC™** software. **XC™** provides superior quality images every time with an option to further manipulate the images.

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IMAGE

AIRDR | 100 MICRON DR

AirDR provides the highest efficiency cesium-iodide based scintillator, 16 bit available gray scale, and market leading 100 micron active maxtrix that guarantees image resolution up to 5 lp/mm.

CAPTURE

XC | ACQUISITION

XC touchscreen scquisition with ICE-4 Enhancement Processing provides all-new features in-cluding, "Image Display State" to ensure balanced presentation of both soft tissue, overlapping bone structures, and automatic analysis of image characteristics to optimize processing.

REVIEW

CLARITY PACS

Our fully web-enabled and integrated PACS solution help transition your practice into a safe, secure, and filmless environment. Clarity PACS™ supports all your current and future imaging needs.

AirDR Specifications

The **AirDR System** has been specially designed and optimized to advance the imaging equipment you're using right now. Utilizing its unique form-factor and embedded Automatic Exposure Detection (AED), the **AirDR System** is compatible with any X-ray system designed to work with ISO 4090 - compliant, 35 x 43 cm cassettes.

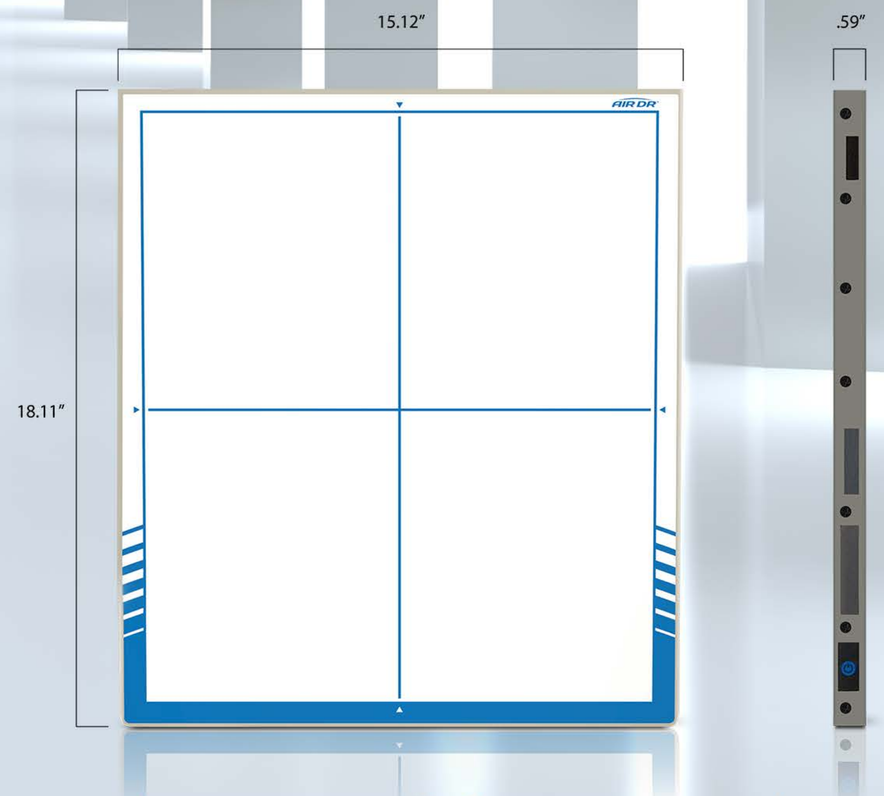
√ No need to modify your generator, or bucky
√ No need to replace your grids
√ No need to discard your wall stand, or table
√ Water and Dust Resistant IP-42 Rating
√ Carbon Fiber Construction Durability
√ Same Day Installation

Panel	Amorphous Silicon active TFT/diode array, Carbon-fiber construction
Scintillator	Direct Deposit; Cesium Iodide
Pixel Matrix	3556 x 4320
Pixel Pitch	100 µm
Image Data	16 bit
Image Transfer Time	Wired: 500 ms; Wireless: 3000 ms
Active Area	True 35.5 cm x 43.2 cm
External Dimensions	ISO 4090 cassette size 14" x 17" (38.4 cm (w) x 46 cm (l) x 1.5 cm (h))
Weight	8.4 lbs (3.8 kg)
Weight Capacity	Maximum load weight: 150 kg
Status Display	LED display (Wifi/Battery/Sensor)
Wireless Data I/F	802.11n Wifi standard
Wired Data I/F	GigE via optional power & communication tether
X-ray I/F	Automatic Exposure Detection (AED)
Limiting Resolution	5 lp/mm
Typical MTF	70% (1 lp/mm), 40% (2 lp/mm), 15% (4 lp/mm) for RQAS
Typical DQE	75% (0 lp/mm), 60% (1 lp/mm), 40% (3 lp/mm) for RQAS
Environment	10 - 35 °C operating, 30 - 70 % RH operating (non-condensing)
Battery	Rechargeable battery, 53.3 Wh
Battery Charger	External two bay charger 100-240 V AC 50/60 Hz
Interface and Power Unit	Optional AirDR IPU with external power supply 100-240 V AC, GigE, and X-ray I/F
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

XC™ Acquisition Software Features

- XC - Intuitive touchscreen acquisition
- ICE- 4 Processing - Automated image characteristics analysis for maximum image enhancement
- Image Display State: Automated enhancement of image display at the point of acquisition
- 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

Outer Dimensions



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