

# 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 **Air DR** 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.



| Image Capture Review

# AIR DR™

Image Capture Review

## 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 matrix that guarantees image resolution up to 5 lp/mm.

## CAPTURE

### XC | ACQUISITION

XC touchscreen acquisition with ICE-3 Enhancement Processing provides all-new features including, "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 solutions help transition your practice into a safe, secure, and filmless environment. Clarity PACS™ supports all your current and future imaging needs.

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# AIR DR™

## Innovative Direct Radiography



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.

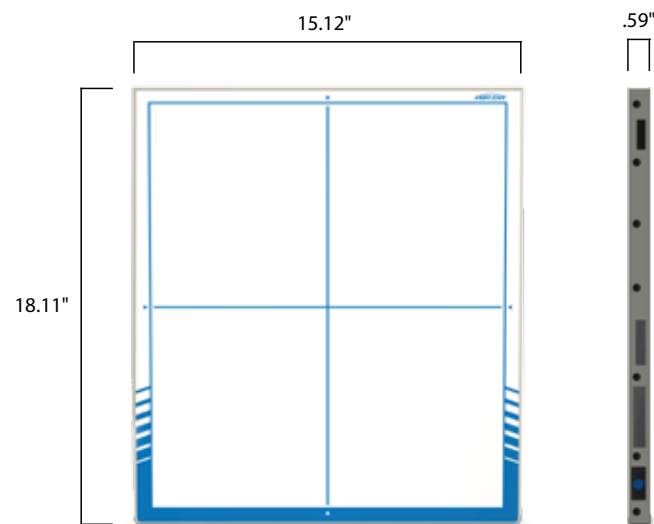
- ✓ No need to modify your generator, or bucky
- ✓ No need to replace your grids
- ✓ No need to discard your wall stand, or table.
- ✓ Water and Dust Resistant IP-65 Rating
- ✓ Carbon Fiber Construction Durability
- ✓ Same Day Installation

|                            |   |
|----------------------------|---|
| 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)  |
| 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 RQA5  |
| Typical DQE                | 75% (0 lp/mm), 60% (1 lp/mm), 40% (3 lp/mm) for RQA5  |
| 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  |
| WAP Mode (option)          | Wireless Access Point functionality   |

## XC™ Acquisition Software Features

- XC - Intuitive touchscreen acquisition
- ICE-3 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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\*Design & Specifications are subject to change without notice.

