Radmedix
Your Prescription For Digital Radiology

ACUITY DR

SMART PORTABILITY

CAN PROVIDE MORE VALUE

RadmediX Your Prescription For Digital Radiology

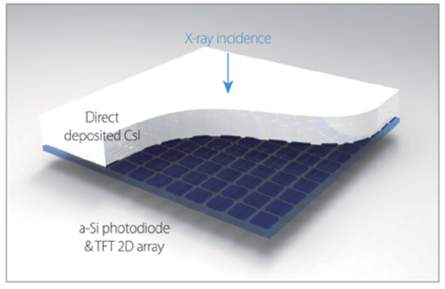
ACUITY DR

Get benefits with the best quality x-ray images

- Excellent image quality using direct deposited CsI
- Ultimate sharpness image by TRUVIEW™ART
- Instant upgrade to digital mobile x-ray system
- High resistance to impact and vibration
- Low price fixed grid (120 lines/inch)

1. High sharpness images by direct deposited CsI

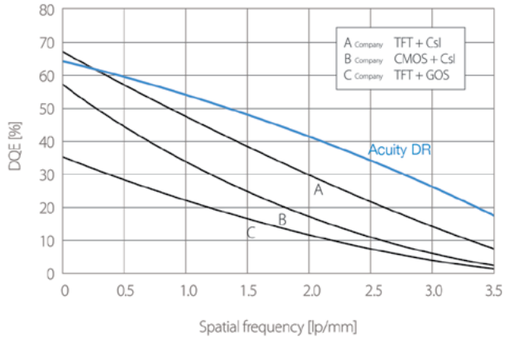
Directly deposited CsI can provide clearer images at lowest dispersion compared to a conventional CsI and GOS scintillator. RadmediX promises its users best image quality with its design of low noise TFT, electronics and optimized CsI thickness.



2. Better DQE performance in higher spatial frequencies

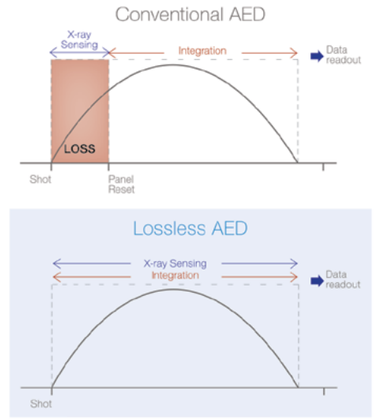
RadmediX with its directly deposited columnar structured CsI + TFT provides outstanding high quality image with high DQE. It also demonstrates comparably excellent DQE performance in high spatial frequency range.

*DQE measurement condition : RQA-5 (Typical 2.6 uGy)



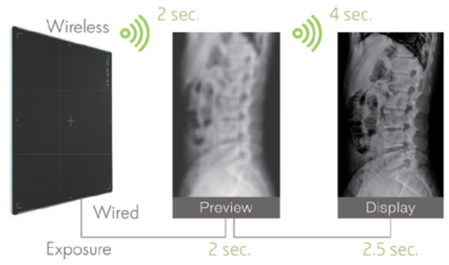
3. Lossless AED

Conventional AED function must consist of three steps: x-ray sensing, panel rest, and charge accumulation. Integration time is delayed as extra time is required for panel reset which occurs after the panel's x-ray sensing is achieved. Even when separate sensor modules within the detector system are used, x-ray loss is inevitable due to panel reset. With thick objects the loss rate can increase more. More accurate and stable AED function is possible with the Acuity DR Series. Lossless AED innovatively improved the reliability of sensitivity through operating scheme optimization.



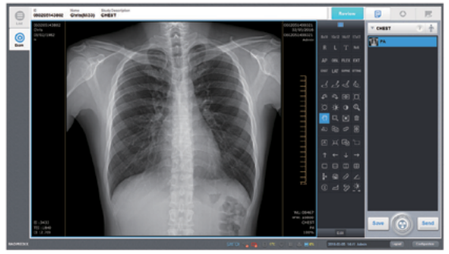
4. Faster image display by a high speed operating scheme

Acuity DR is second to none in image preview and display time. Image preview in both wired and wireless conditions achieve times less than 2 seconds and image display is achieved in 4.6 and 6 seconds, respectively.



5. The best quality and x-ray image fine tuning with AccuVueMED & TRUVIEW™ART

AccuVueMED (X-ray UI software) and TRUVIEW™ART (image processing engine) use reverse filtering technology to decrease light dispersion, improve image sharpness in indirect type image processing where blurring occurs die to light dispersion. TRUVIEW™ART which comes standard in AccuVueMED enables more accurate diagnosis with high quality and high definition image.



WIRELESS
Perfect Portability

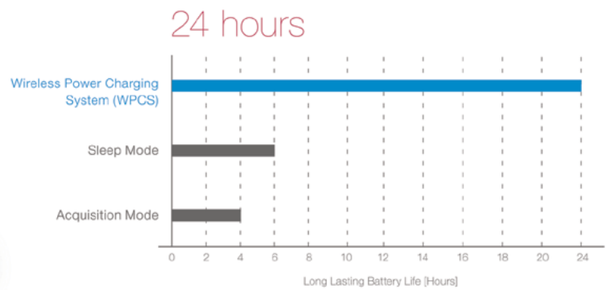
Slim Dual Battery Charger

Two Acuity DR 1417 batteries can be simultaneously charged with the Slim Dual Battery Charger. LED display allows for easy checking of the battery level and with its light and compact design, user portability and usability is increased. The charger comes standard with the Acuity DR 1417 detector.

- Easy to handle with a battery knob design
- Battery check button and LED indicator

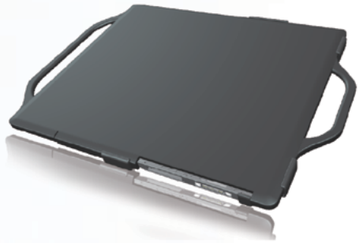
WPCS – Wireless Power Charging System

The Acuity DR 1417 is embedded with a wireless charging system that enables seamless 24 hours wireless operating environment. This was made possible with a detector embedded RX and external battery charging system TX. WPCS technology of the Acuity DR 1417 makes possible operation with wireless charging without the need of a battery change. WPCS is a world first new innovative product which installed a wireless battery charging system to extreme portability.



Durability

Mechanically optimized and engineered with metal unibody structure, the Acuity DR 1417 has safety at 3.3 ft height drop test. Also, protection suit is separately provided to protect the detector in various situations such as hospitals and mobile environments. Ergonomically designed protection suit provides optimum usability in x-ray environments. X-ray environment efficiency considered package of a protection suit and a compatible tablet mounter further adds to user convenience.



Inside AP & PCP

Inside AP maximizes the portability function of the Acuity DR 1417 which directly communicates with a Tablet PC and Smart Phones to make possible the viewing of images on mobile devices. With PCP (Portable Console PC) and wireless communication, the Acuity DR 1417's high definition images can be given anywhere and anytime. This enables outdoor and mobile applications such as in ICU, veterinary and industrial situations. Now, capture x-ray images on your own mobile devices.

PCP

Inside AP

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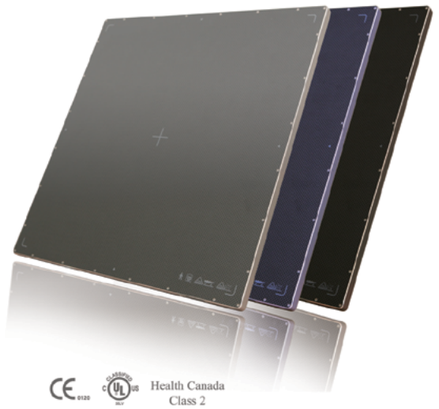
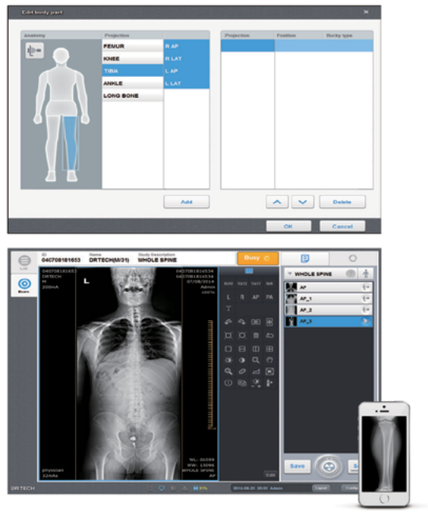


Wifi & Wired Transfer

- Slim cassette size (43 x 43 cm, 15mm)
- Highly reliable and stable operation
- High definition by direct deposition CsI
- WiFi image transfer available (option)
- Fast image acquisition time less than 2 sec.
- Lossless AED support.

Slim Easy Upgrade wifi



Excellent Post-processing Image Quality

Optimized algorithms and parameters for each body part
Adaptive noise reduction to minimize image signal loss
Image detail enhancement by multi-frequency image processing

User Experience Design

Smart workflow minimizing the need for page switches and mouse click
Editable tool bar
Easy to use stitching (up to 5 images)

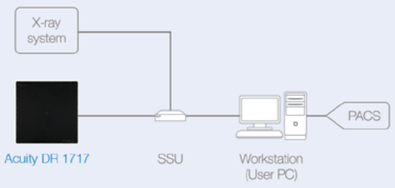
Image Parameter Tuning Wizard

Users can select from 9 image styles processed using different parameters on a 3x3 matrix display.

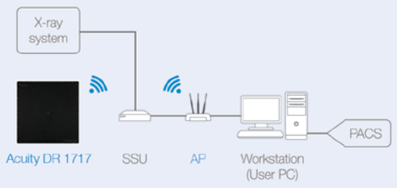
Tablet, Smart Phone Supports

Supports viewing of high-definition digital images on display devices with WiFi communication such as Smart Phones and Tablets. .

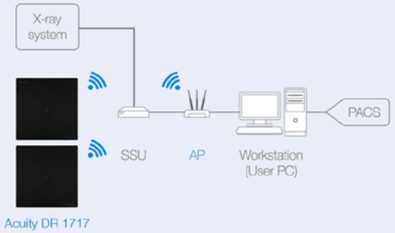
Standard Interface



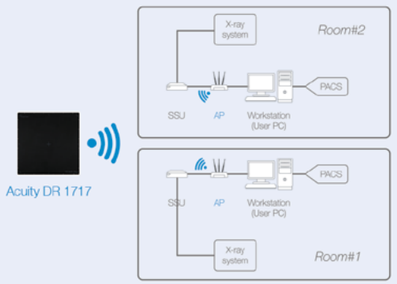
Wireless Interface



Multi-Connecting Interface



Room Sharing Interface

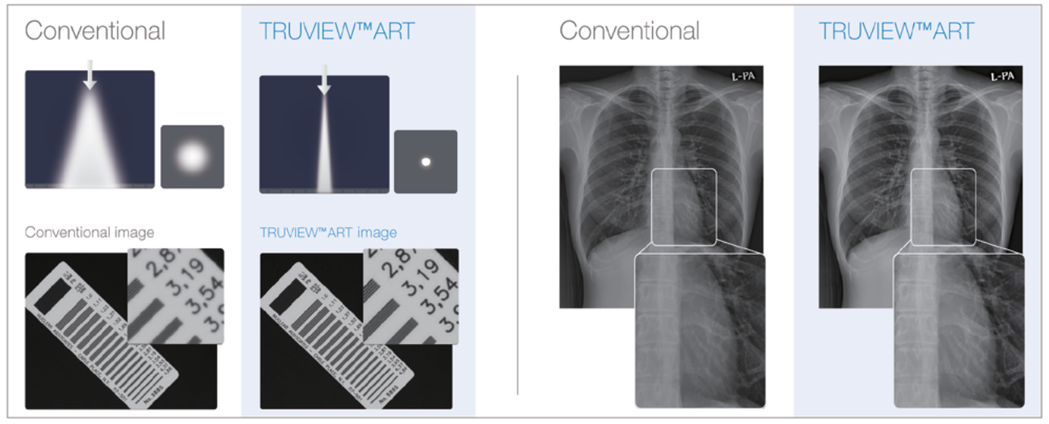


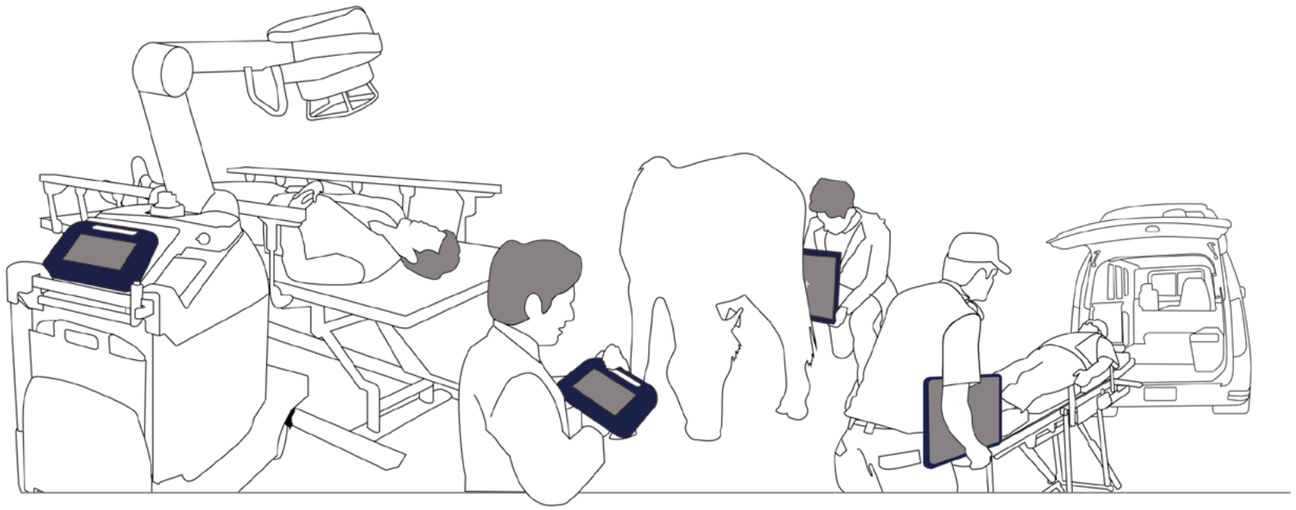
TRUVIEW ART

ADVANCED IMAGE RECONSTRUCTION TECHNOLOGY

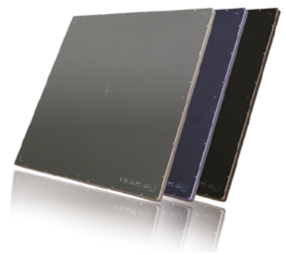
Image sharpness of an object in a conventional image is reduced due to light dispersion, TRUVIEW™ART, RadmediX's unique reverse filtering technology, reconstructs and improves image sharpness to increase the possibility of detecting abnormalities.

* Patent Pending





Specifications

Model		Acuity DR 1417	Acuity DR 1717
Detector Image			
Purpose		Gen. Rad./ Wireless Portable	Gen. Rad.
Detector Type		CsI by direct deposition	CsI by direct deposition
Dimensions		386 (H) x 460 (V) x 14.5 (D)	460 (H) x 460 (V0 x 15.0 (D)
Weight		2.98 kg	4.5 kg
Active Area		358 x 430 mm	430 x 430 mm
Pixel Pitch		140 um	140 um
Resolution		2,560 x 3,072	3,072 x 3,072
A/D Conversion		14 bits	14 bits
Image Aquisition	Wired	Preview 2 sec/ Full 4.5 sec	Preview 2 sec/ Full 4.5 sec
	Wireless	Preview 2 sec/ Full 6 sec	Preview 2 sec/ Full 7 sec
Voltage		DC 12V, 5 A	DC 12V, 5 A
Power Consumption		12 W maximum	12 W maximum
Communication Interface		1 Giga bps/ IEEE 802.11n (2.4/5 GHz)	1 Giga bps/ IEEE 802.11n (2.4/5 GHz)
X-ray Interface		Lossless AED	Lossless AED/ Wired Interface Cable
Accessory Parts		System Synchronization Unit Battery Charger (EVS-BCS) Battery Pack (EVS-MBP)	System Synchronization Unit
Certification		Health Canada Class 2	Health Canada Class 2