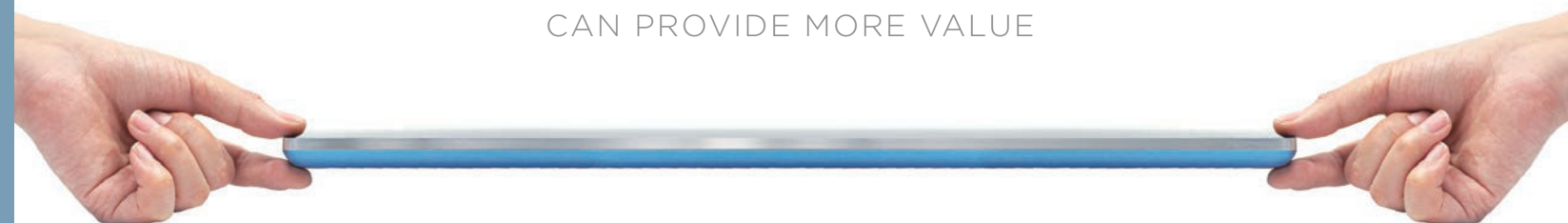




SMART PORTABILITY

CAN PROVIDE MORE VALUE





Acuity_{DR}

Smart portability & best quality image
for limitless performance

Acuity DR, Radmedix's innovative digital x ray solution combined advanced 'Information Technology' with the latest digital detector technology. With its versatility, Acuity DR provides ultimate image quality and can be applied in multiple environments for various applications.

Acuity 1417 & Acuity 1012, two portable models provide limitless portability with reliable operations.

Upgrade Now! Experience unbeatable performance of Acuity DR and increase your productivity and diagnostic confidence!

- ① Acuity 1417 ② Acuity 1012 ③ Acuity 1717 ④ Protective Case
⑤ Dual Battery Charger ⑥ PCP (Portable Console Tablet PC)

Benefit from Excellent Quality X-ray Imaging with Radmedix

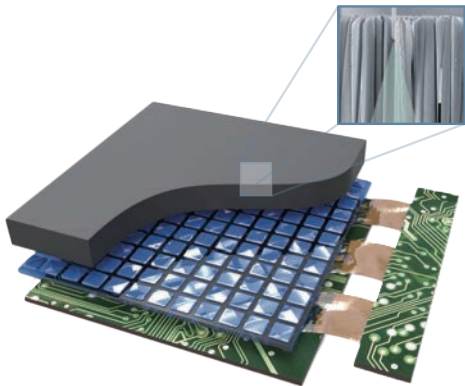


Acuity DR, the innovative digital x-ray solutions suit multiple diagnostic environments with different needs.

- Excellent image quality using direct deposited CsI
- Ultimate sharpness image by TRUVIEW® ART
- Instant upgrade to digital mobile X-ray system
- Patient dose reduction with reliable Lossless AED
- High resistance to impact and vibration
- Low price fixed grid (120 lines / inch)
- Light weight and durable design for portable applications

Intensified image sharpness with directly deposited CsI

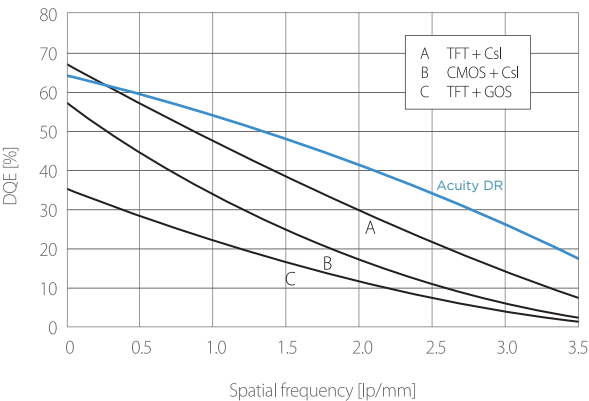
Directly deposited CsI can provide clearer images at lowest dispersion compared to conventional CsI and GOS scintillator. High quality images are not a result of any one feature such as smallest pixel size or low electronic noise, but achieved when all components of the detector are optimized to operate in harmony with each corresponding specification.



Better DQE performance in higher spatial frequencies

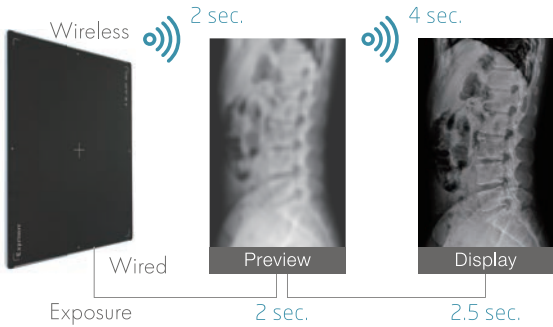
Acuity DR with its well oriented direct deposition columnar structure CsI + TFT has high DQE performance providing outstanding high quality images. It also demonstrates comparably excellent DQE* performance in high spatial frequency range.

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



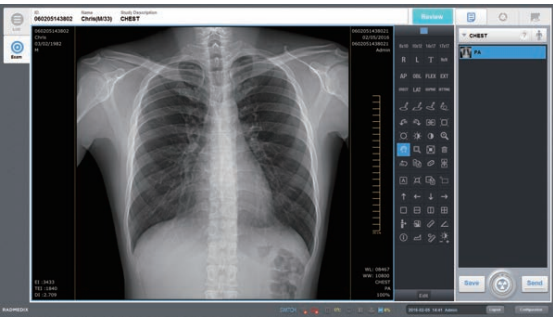
Faster image display with high speed operating scheme

Fast image preview and display time of Acuity DR products allow for more effective and efficient operation leading to increased productivity. Image preview in both wired and wireless modes are achieved less than 2 seconds and a full image is acquired in 4.5 and 6 seconds respectively.



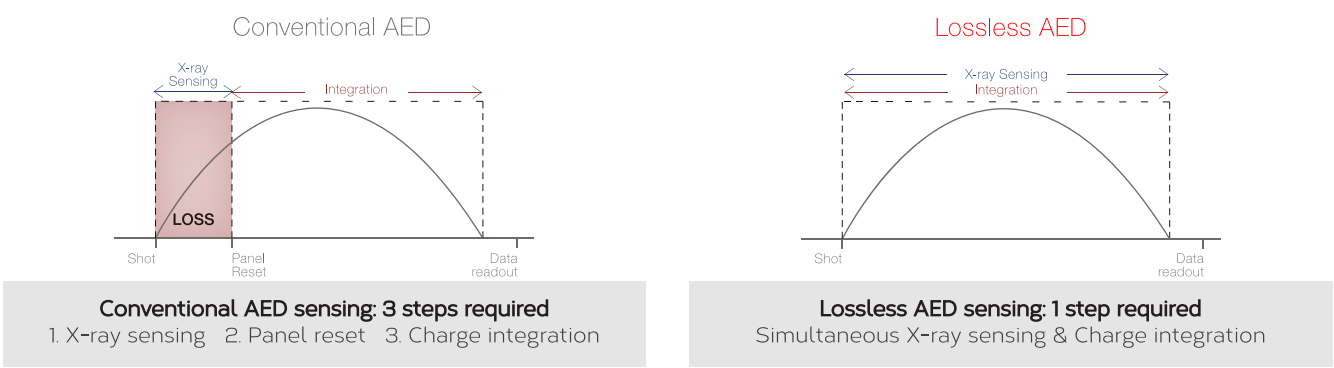
Best image processing solution for fine tuned quality images AccuVue Med & TRUVIEW® ART

AccuVue Med (Software) and TRUVIEW® ART (image sharpening algorithm) provides a perfect solution to increase diagnostic productivity and accuracy. With easy to use convenient user interface design and powerful image processing engine, AccuVue Med & TRUVIEW® ART enables more accurate diagnosis with high quality and highly defined images.



Lossless AED

Conventional AED function consists of three steps: X-ray sensing, panel reset, and charge integration. Integration time is delayed as extra time is required for panel reset which occurs after the panel senses the incoming x-ray signal. The loss is inevitable even when separate sensor modules within the detector system are used. When acquiring images of thick objects, the loss rate can increase even further. Lossless AED innovatively improved the reliability of sensitivity through operating scheme optimization.

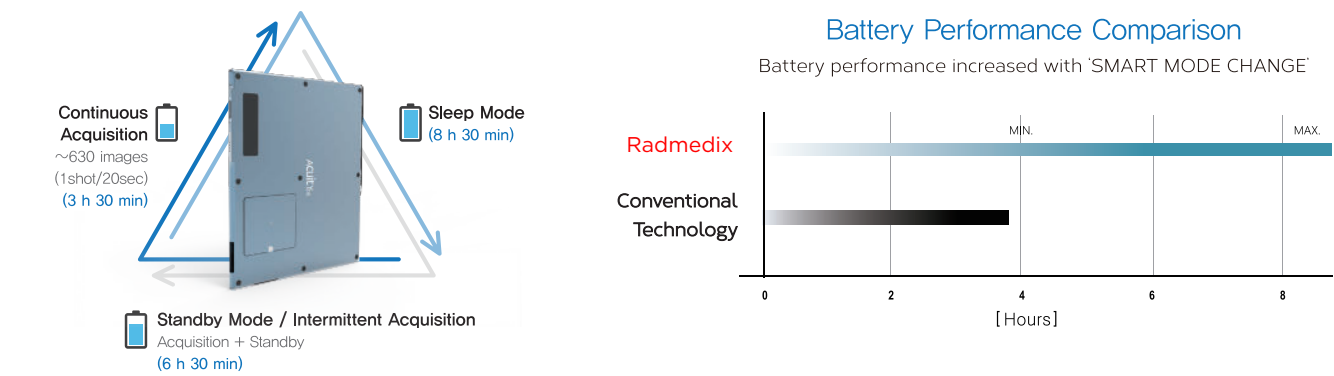


Benefits of Lossless AED

- ✓ Patient dose reduction with more reliable x-ray sensing and integration
- ✓ Increased AED sensitivity
- ✓ Stable and highly accurate x-ray sensing
- ✓ Reliable operation without interruption by external shock or vibration
- ✓ Long lasting battery with low power consuming operating system
- ✓ Easy switch from sleep mode to acquisition mode with 'Smart Mode Changes'

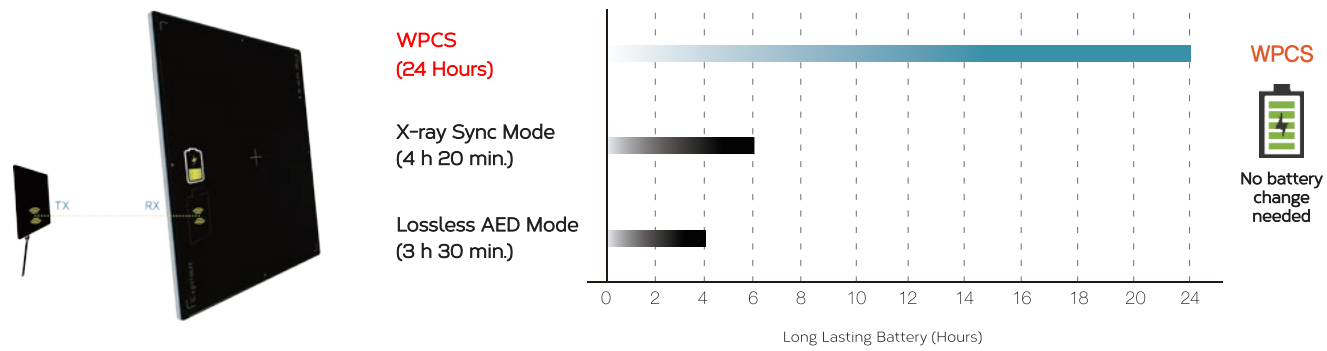
Lossless AED Power Management with 'SMART MODE CHANGES'

Lossless AED Mode, Innovatively Improving Battery Performance



WPCS – Wireless Power Charging System

Acuity 1417 & Acuity 1012 are embedded with industry's first wireless charging system to enable seamless 24 hour wireless operation for perfect portability. WPCS technology incorporates RX and TX power transmission technology to enable fast and effective wireless charging without the need for a battery change to provide ultimate convenience to its users.



Benefits of WPCS

- ✓ Available in two forms for integration in every diagnostic environment
- ✓ Type: **Wall Mount** installation or **Cradle**
- ✓ Safer diagnostic environment with removal of hazardous wires and cables
- ✓ No need for battery change
- ✓ Fast and reliable battery charging
- ✓ Less product corrosion due to battery removal
- ✓ Longer battery life

The Ultimate Versatility of Acuity Mobile Detectors





▼ *Acuity 1717*

- Robust and safety design against shock and drop
- High definition images by direct deposition Csl
- Fast image acquisition time less than 2 sec.
- Highly reliable and stable for fixed application.

Slim Cassette Wired *Acuity 1717*

Medical, Veterinary
& Chiropractic



▼ *Acuity 1417*

- High definition images by direct deposit Csl or Gad
- Ultimate portability
- WPCS support (wireless charging)
- Light weight 6.5 lbs and robust design
- Water proof function for increased reliability [IPX4] or Csl Model
- Includes "smart switch" technology to connect up to 2 workstations.

Slim Cassette Wireless *Acuity 1417*

General Radiography
Portable Radiography
Mobile Radiography
Vet. Portable
Security / NDT



▼ *Acuity 1012*

- High definition image with smallest 76um pixel
- Ultimate portability
- WPCS Power System (Wireless Charging)
- Smart information by OLED display
- Light weight 4.1 lbs (w. battery) and fancy design
- Various applications available
- Water proof function for increased reliability [IPX4]

Slim Wireless *Acuity 1012*

General Radiography
Mobile Radiography
Neonatal / Pediatric
Portable Radiography
Equine
Vet. Portable / Vet System
Security / NDT

Innovative Technologies for Limitless Portability

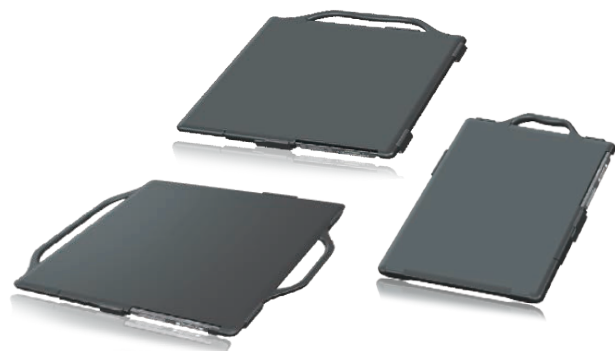
Slim Dual Battery Charger

Simultaneous charging to two batteries is possible with the dual battery charger. With its horizontal and vertical insertion design, this charger supports both Acuity 1417 and Acuity 1012 batteries. Supported with 12V charging on-the-go is possible as it connects with the cigar outlet of any car. The charger comes standards with Acuity 1417 & Acuity 1012 detectors.



Protection Suits

Available in three different designs to match varying user requirements and to protect your Exprimer detector in style from various environmental hazards. With an ergonomic design, you can achieve optimum usability in any x-ray environments. Combined with a tablet mounter, you can heighten your productivity with one compact package in any portable situations.



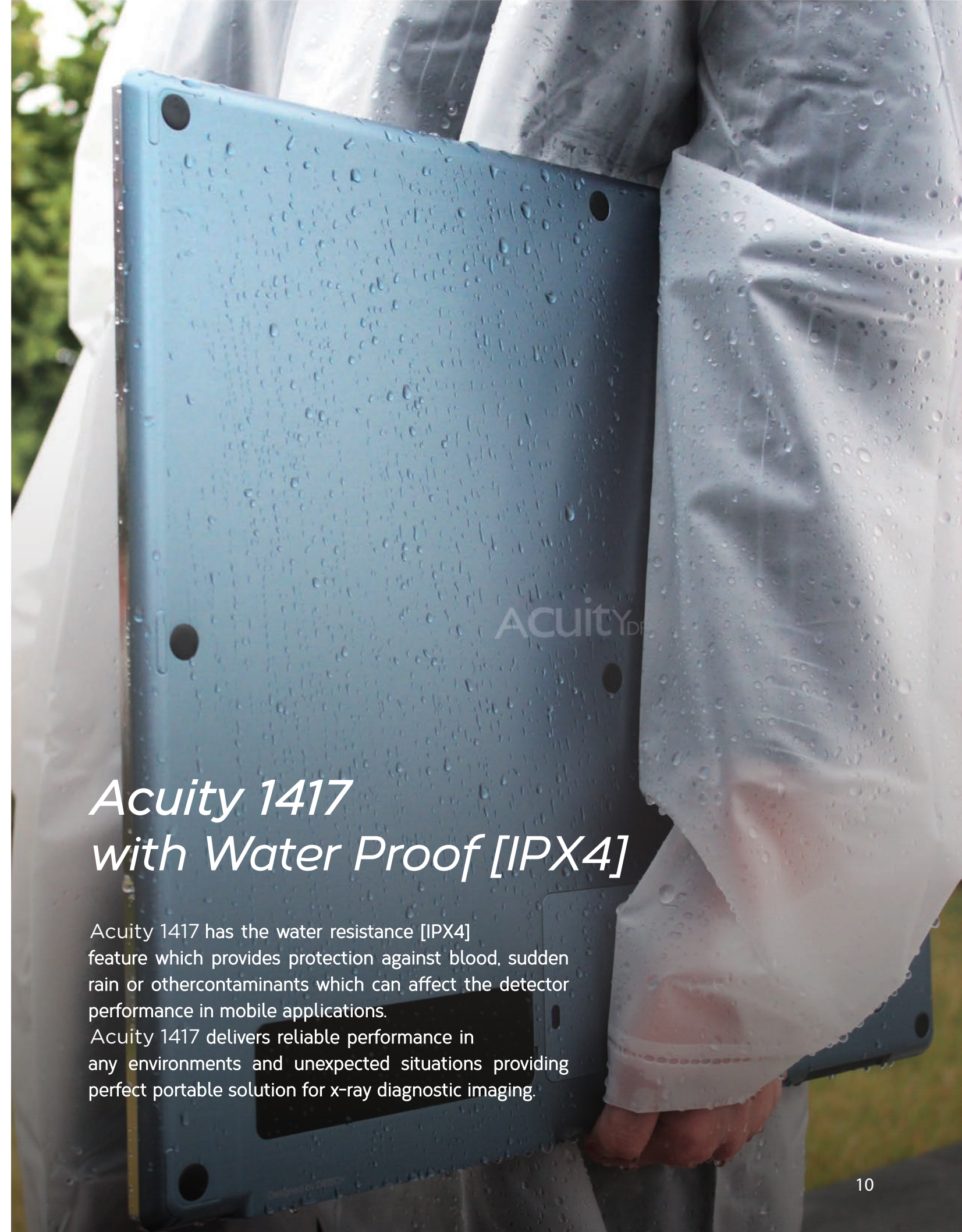
PCP (Portable Console PC)

Instant digital upgrade is possible when PCP is combined with Acuity 1417 or 1012. Eliminate the need for additional control box between the detector and the PC, and acquire digital images instantly with Ramedix PCP. Inside AP maximizes the portability of AcuityDR's portable detectors by allowing direct communication with tablet PCs and smart phones for image viewing on mobile devices. With a PCP and wireless communications, high definition images can be acquired anywhere and anytime allowing for truly mobile imaging.



Acuity 1417 with Water Proof [IPX4]

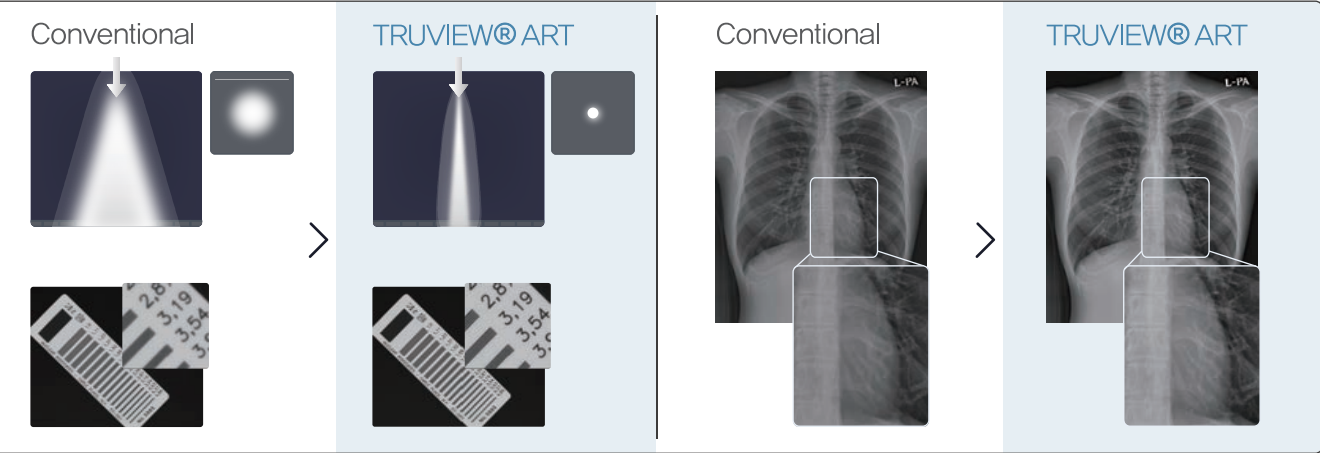
Acuity 1417 has the water resistance [IPX4] feature which provides protection against blood, sudden rain or other contaminants which can affect the detector performance in mobile applications. Acuity 1417 delivers reliable performance in any environments and unexpected situations providing perfect portable solution for x-ray diagnostic imaging.





ADVANCED IMAGE RECONSTRUCTION TECHNOLOGY

Image sharpness of an object in a conventional image is reduced due to light dispersion. TRUVIEW®ART, unique reverse filtering technology using mathematical analysis, reconstructs and improves image sharpness to increase the possibility of detecting abnormalities.



MTF Enhancement Effects of TRUVIEW® ART

This advanced image reconstruction technology increases MTF by 30%. Thanks to this solutions, the image sharpness level of Acuity Gadox modles match up to that of conventional CsI panels, and the image sharpness of Acuity CsI modles is further enhanced by 30% increasing the MTF level of Acuity detectors to the highest level.

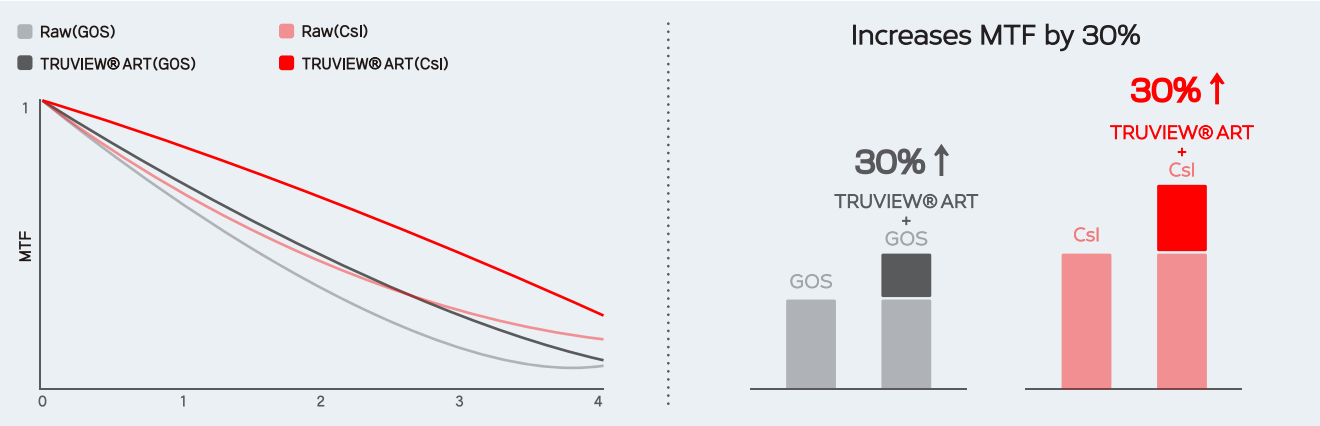
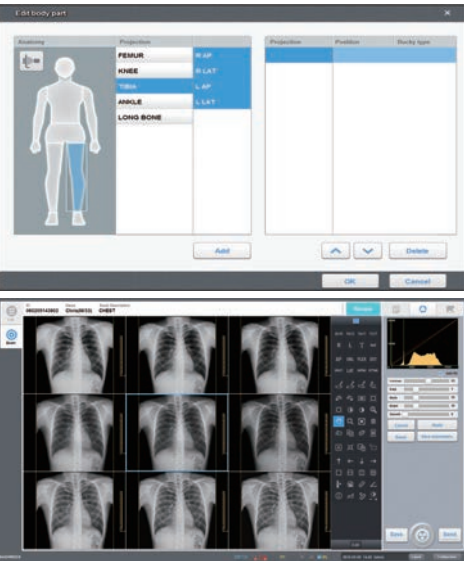
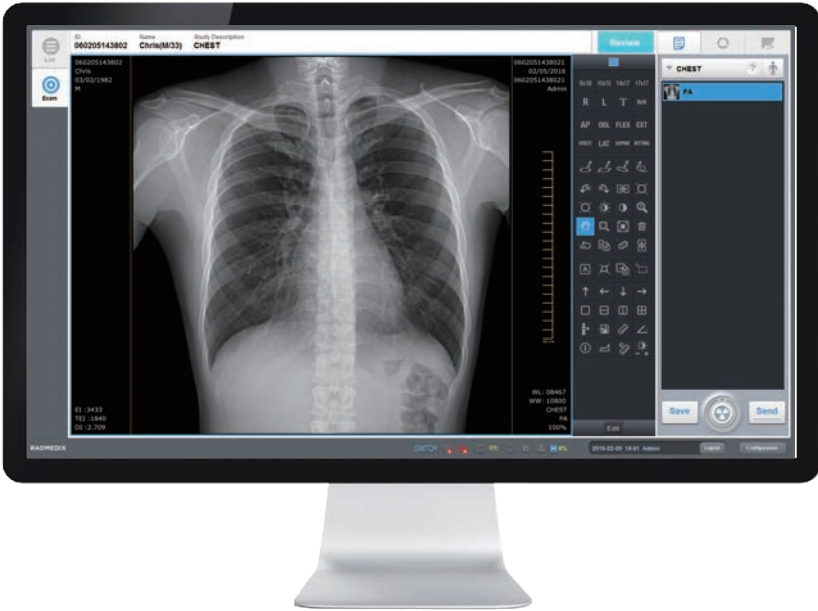


Image Processing Engine

TRUVIEW® ART, Radmedix's proprietary algorithm feature of AccuVue, reengineered the performance of Acuity detectors. The MTF of Acuity is improved by 30% by TRUEVIEW® ART's Image reconstruction technology in conjunction with Radmedix detector's characteristics of direct deposition CsI and low noise electronic design. With this, the image quality of Radmedix detectors is significantly sharper than conventional indirect type detectors



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 switch and mouse click. Editable tool bar and dual monitor support. Easy to use stitching (up to 5 images).

Image Parameter Tuning Wizard

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

Tablet, Smart Phone Supports

Supports viewing of crystal clear digital images on display devices with WiFi communication such as Smart Phones and Tablets.

Specifications



Acuity 1717



Acuity 1012

| | | |
|----------------|--------------------------------|--------------------------------------|
| Model | 1717 Wired | 10 x 12 Wireless |
| Detector Type | Direct deposition CsI or Gadox | Direct deposition CsI or Gadox |
| Weight | 9.9 lbs | 4.1 lbs |
| Active Area | 430 X 430 mm | 233.47 x 291.84 mm |
| Pixel Pitch | 140 μ m | 76 μ m |
| Resolution | 3,072 X 3,072 | 3,072 X 3,840 |
| A/D Conversion | 14 bit | 16 bit |
| Input Voltage | DC 12V, 5A | DC 12V, 5A |
| Communication | Giga Ethernet | Giga Ethernet / IEEE 802.11n (5 GHz) |
| X-ray I/F | Lossless AED / Sync Trigger | Lossless AED |



Acuity 1417

| | |
|----------------|---------------------------------------|
| Model | 1417 Wireless |
| Detector Type | Direct deposition CsI or Gadox |
| Weight | 6.5 lbs |
| Active Area | 358 X 430 mm |
| Pixel Pitch | 140 μ m |
| Resolution | 2,560 X 3,072 |
| A/D Conversion | 14 bit |
| Input Voltage | DC 12V, 5A |
| Communication | Giga Ethernet / IEEE 802.11n (5 GHz) |
| X-ray I/F | Lossless AED / Sync Trigger |

Acuity_{DR}

R_{admedi}X

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