

# AMRAD MEDICAL



## Advantage DR

[www.AmRadMedical.com](http://www.AmRadMedical.com)

Advantage DR delivers superior quality digital images using an intuitive user-interface. With flexibility in the image processing of specific exams and customized preferences for each user, Advantage DR is suited for hospitals, outpatient facilities, imaging centers, urgent care, and private clinics of all sizes.

### Patient Registration

- Intuitive patient registration and emergency patient bypass ensure fast and accurate set-up of exams
- Single-view study list, by patient, increases patient throughput
- Flexible search makes system navigation fast and easy

### Advanced Features

- Single user-console and generator integration aids speed and workflow efficiency
- Free-draw masking capability ensures optimal image enhancement
- Image rotation at any degree provides viewing consistency of anatomical regions

### Symphony Image Processing

- Refined image contrast enhances detail and diagnostic accuracy
- Exam-specific image processing ensures superior image quality
- Automatic image optimization minimizes post processing requirements
- Default and customized algorithm settings ensure accurate processing of images and specialty views

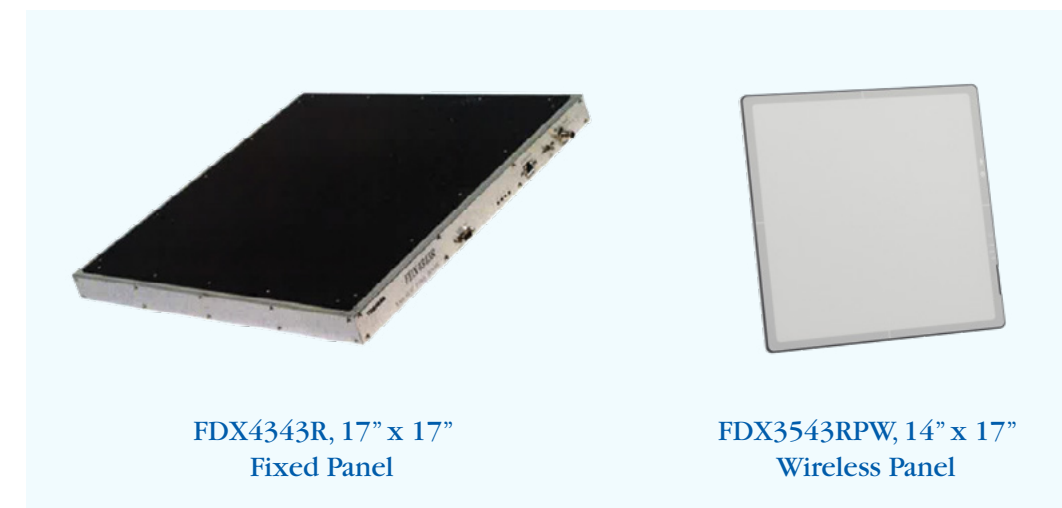


Automatic Image Optimization

### Image Management

- DICOM worklist from HIS/RIS or Practice Management System saves patient set-up time
- Image transfer to PACS optimizes workflow efficiency
- Print Image, film size and layout can be defined to fit all imaging preferences
- Burn CD to satisfy the requests of referring physicians and patients

## Flat Panel Detectors



FDX4343R, 17" x 17"  
Fixed Panel

FDX3543RPW, 14" x 17"  
Wireless Panel

### Excellent Sensitivity & Resolution

- CsI:Tl and direct vapor deposition technology delivers higher sensitivity and better resolution
- Reflective coating on CsI:Tl screen delivers excellent DQE (70%) and low noise for optimal image quality

### Excellent Reliability

- Toshiba's technology and CsI:Tl screen for proven reliability
- Moisture-proof sealing for the CsI:Tl screen ensures panel protection from degradation and damage

### Advantage DR and Toshiba Wireless & Fixed Flat Panels

- Superior Image Quality
- CsI Scintillator
- Dose Reduction
- High Sensitivity & Resolution
- Symphony Image Processing
- Patient Positioning Guide
- Ease of Use
- Generator Integration
- Exceptional Reliability
- Industry's Best Warranty – Optional 5 Year Warranty



## Automatic Stitching

- Automatic anatomical alignment of images saving time for final image review
- Drag and drop image order greatly improves traditional stitching time
- Stitch up to four images to accommodate stitching of long bone or spine studies

## Specifications

<b>Application</b>	General radiography
<b>Scintillator</b>	Cesium Iodide (CsI) with Amorphous Silicon (a-Si) Photodiode
<b>Pixel Pitch</b>	143µm, fixed 140µm, wireless
<b>Output data</b>	16 bit
<b>Limiting Resolution</b>	3.7 LP/mm
<b>MTF (2lp/mm)</b>	36% typical
<b>DQE</b>	70% typical
<b>Power (Voltage/Frequency)</b>	AC100-240V 50/60Hz
<b>Operating Environment</b>	Fixed Panel: +10–35°C, 30–85% RH Wireless Panel: +10–35°C, 20–75% RH (non-condensing)
<b>Standard Components</b>	Panel, Power unit, Cables
<b>Certification</b>	IEC60601-1, IEC60601-1-2 MDD93 /42 /EEC (CE marking)

	<b>FDX4343R</b>	<b>FDX3543RPW</b>
<b>Pixel Matrix</b>	3008 (H) x 3072 (V) (approx. 9.2 million pixels)	2446 (H) x 3040 (V) (approx 7.5 million pixels)
<b>Image Sizes</b>	16.9 (H) x 17.3" (V) (43x43.9cm)	14 (H) x 17" (V) (35.0x43 cm)
<b>A/D Conversion</b>	14 bit	14 bit
<b>Preview Image Access Time</b>	Approx. 4 seconds after X-Ray exposure (without image correction)	Approx. 4 seconds after X-Ray exposure (without image correction)
<b>DIMENSIONS</b>		
<b>Panel</b>	20.2"x19.5"x1.7" 512x495x43mm	15.1"x18.1"x0.59" 384x460x15mm
<b>Weight</b>	19.8 lbs. (9 kg)	6.8 lbs. (3.1 kg)



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