Overview
The PerkinElmer XRD 4343RF is based on the next generation platform of PerkinElmer amorphous silicon (a-Si) Flat Panel X-ray Detectors (FPDs). The enhanced performance PerkinElmer XRD 4343RF supports a full 43 × 43 cm² (17 × 17 in²) field of view providing superior imaging for fluoroscopy, radiography and cone beam CT applications. The detector offers frame rates up to 85 fps and has a direct deposited Csl scintillator for superior image quality. Rapid system integration is accomplished with real time image processing board for host computer, integrated trigger and X-ray synchronization circuitry and a comprehensive software library for image acquisition and processing.

PerkinElmer Medical Imaging has partnered with OEM customers for more than 25 years to develop products for a wide range of X-ray applications. Let our digital imaging expertise work for you.

Superior Image Quality
Large Format, Static and High Speed Real-time Imaging

Features and Benefits
- 15 fps at 150 µm pixel pitch
- 2880 × 2880 pixel matrix
- Excellent DQE
- 16 bit digital output
- Directly deposited CsI scintillator
- Fast switching between imaging modes
- Fiber optical interface
- Real time corrections on a PCIe card
- Trigger interface for X-ray generator

Applications
- Radiography & Fluoroscopy
- 3D Cone Beam CT
### XRD 4343RF

#### Sensor
- **Panel**: Single substrate amorphous silicon active TFT/diode array
- **Scintillator**: Direct deposition Csl:Tl
- **Pixel Matrix**: 2880 × 2880 @ 150 μm pitch
- **Total Area**: 432 mm × 432 mm

#### Electronics
- **Amplifiers**: User selectable gain and frame rate settings to support RAD, DSA and fluoroscopy
- **ADC**: 16-bit

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<th>Pixel Pitch (μm²)</th>
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Mode Transition: <1 second

#### Mechanical
- **Size**: 470 (w) × 470 (l) × 57 (h)
- **Weight**: 9 kg
- **Housing**: Aluminum frame with carbon-fiber entrance window

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**Visit our website at www.perkinelmer.com/imaging-components/ and contact us through the contact form provided.**

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