

Toshiba detector FDX 4343R for excellent image quality with low X-ray dosage

Brief description:

- Sensor: very high sensitivity and high dynamic range
- CSI screen
- Response time: no time delay for the release of the X-ray shot (compared to other flat panel systems) – when you press the hand release the X-ray shot is released immediately
- Guarantee : 2 years, may be extended to 4 years
- Fast exchange: In case of a defect, OR Technology guarantees to deliver a replacement panel within four days (no further costs, only transport costs will be incurred)

The new Toshiba flat panel “FDX 4343R” is supported by the release of **dicomPACS®DX-R** version 1.9. The CsI-based flat detector provides high resolution and outstanding image quality. A DQE value of 70% guarantees high contrast and low noise coupled with a low dosage requirement. After only a few seconds the detector is ready for operation again.

Technical data:

Image format

Type:	Cesium Iodide (CsI) with Amorphous Silicon (a-Si) Photodiode
Active Area:	16.9 x 17.3 inch
Pixel Matrix:	3008 (H) x 3072 (V)
Pixel Pitch:	143 μm
Cycle Time:	Shot to shot 6sec.

Performance:

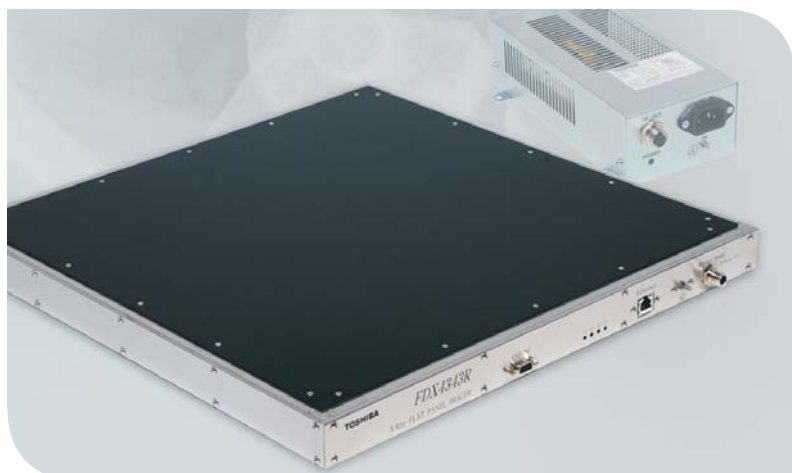
Limiting resolution:	3.5 Lp/mm
MTF (2.0 lp/mm, 70kVp, 1x1):	30 % typ.
DQE:	> 70%
A/D Conversion:	14 bit

Energy Range:

40 – 125 kVp

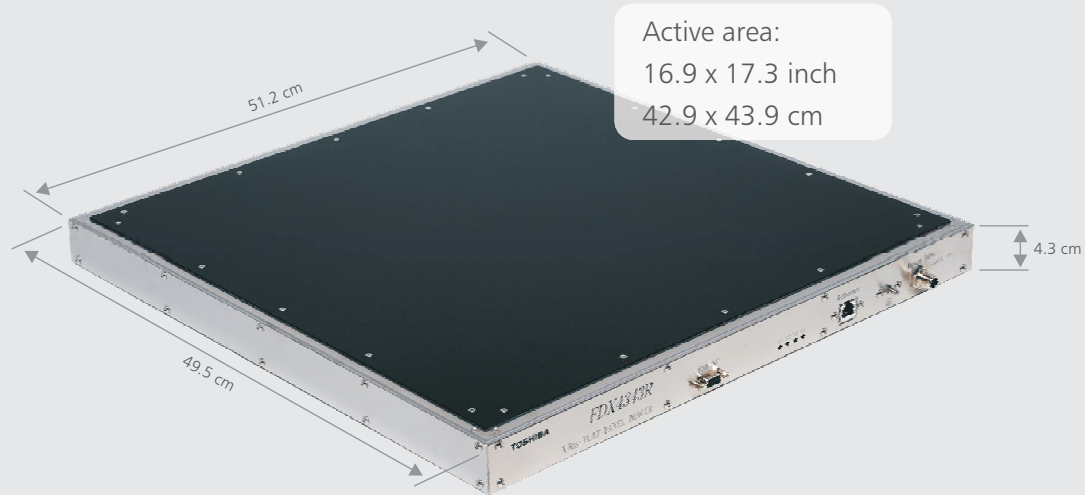
Maximum entrance dose:

4 mR / frame



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Flat panel



Power supply unit



Specifications subject to revision without notice

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