

## Direct radiography detector (DR) PerkinElmer XRpad™ 4343

### Benefits & brief description:

- Detector based on amorphous Silicon (a-Si) with Caesium Iodide (CsI) scintillator
- Active area 43,2 x 43,2 cm (17" x 17,0")
- Pixel pitch 100  $\mu\text{m}$
- Resolution  
4,320 (h) x 4,320 Pixel (v)  
(18,5 million pixel)
- Resolution approx.  
5.0 lp/mm
- Dynamic range (DQE) >75%
- A/D conversion 16 bit
- Dimension 46 x 46 x 1.5 cm  
(18.1" x 18.1" x 0.6")  
(WxHxD) (ISO 4090)
- Weight 4.5 kg (9.9 lbs.)
- 24 month standard warranty

The PerkinElmer XRpad™ 4343 fits into a conventional table or wall-stand Bucky, just like a film-screen cassette.

The XRpad offers a pixel resolution of 100  $\mu\text{m}$  (up to 5 lp/mm – 14" x 17"). The highly efficient CsI scintillator guarantees very sharp images at a minimum radiation dose.

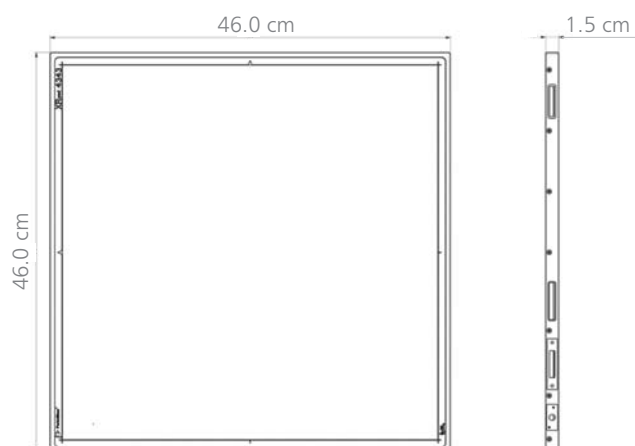
The one-piece carbon fiber design of the front and back of the housing allows easy positioning and cleaning.

**Pixel pitch  
from 100  $\mu\text{m}$   
to 5 lp/mm**



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## Technical details



### General

Warranty	2 years
Warranty extension (up to 5 years)	Yes
Drop insurance available	No

### Technical details

Technology/screen	CsI
Cassette size ISO 4090	Yes
Watertightness	IP42
Operation temperature range	+ 10 bis 35°C
Relative Humidity	10 – 90 %
Wireless	No
DC input voltage	12V
Pixel pitch / Microns	100 µm
Total pixel number	4,320 x 4,320
X-ray sensitive area	432 mm x 432 mm (17" × 17")
A/D conversion	16 bit
Weight	4.5 kg
External Dimensions	460 mm (w) × 460 mm (l) × 15 mm (h)
DQE @ 0lp/mm	75%
Housing	Carbon-fiber front & back

#### Specifications subject to revision without notice

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