

# Varex flat panel detector XRpad2 4343F

17 x 17" [43 x 43 cm]

With 100  $\mu\text{m}$  pixel size, "Direct Deposition CsI" technology and the excellent DQE, the lightweight tethered detector provides high-resolution image quality with reduced X-rays. The second generation XRpad<sup>®</sup> design is robust and ergonomic.

Automatic exposure detection and onboard corrections enable fast and optimal use in the practice. The XRpad2 4343F has an extended range of functions, such as internal image storage and a magnetic docking port. The advanced imaging mode delivers up to 8 frames per second at 200  $\mu\text{m}$  resolution.

- Automatic synchronisation of detector and generator by means of AED – no need to modify the X-ray system and to adjust the system or the cable connections
- Acknowledge function: Intermediate storage of captured images
- On-board pixel correction and storage
- High resolution 100  $\mu\text{m}$  pixel pitch (5.0 lp/mm)
- Pixel matrix 4288 x 4288
- Dimensions (B x H x T) 460 x 460 x 15.5 mm
- Weight 3.8 kg (8.4 lbs)



# Varex flat panel detector XRpad2 4343F

17 x 17 Zoll [43 x 43 cm]

## Accessories

XRpad2 IPU - Control box  
XRpad2 LPT - Detector cable, 5m/16.5ft

## Parameter

### Sensor

Scintillator	Amorphous silicon active TFT-diode array
Scintillator	Direct deposition CsI:Tl
Pixel Matrix	4288 x 4288
Pixel Pitch	100 $\mu$ m

### Electronics

Amplifiers	Low noise ASICs with user selectable gains
ADC	16-bit
Image Transfer Time	Wired: 600 ms; Wireless: 3600 ms
On-board Memory	1 GB DDR3, 8 GB SDHC card

### Mechanical

Size	ISO 4090 for 43 cm x 43 cm (17" x 17") cassette size
Active Area	426 mm x 426 mm
External Dimensions (w/l/h)	460 mm x 460 mm x 15.5 mm
Weight	3.8 kg (8.4 lbs)
Housing	Aluminum frame with carbon fiber entrance window

### Communications

X-ray I/F	Integrated X-ray trigger control Automatic Exposure Detection (AED)
-----------	--

### Imaging Performance

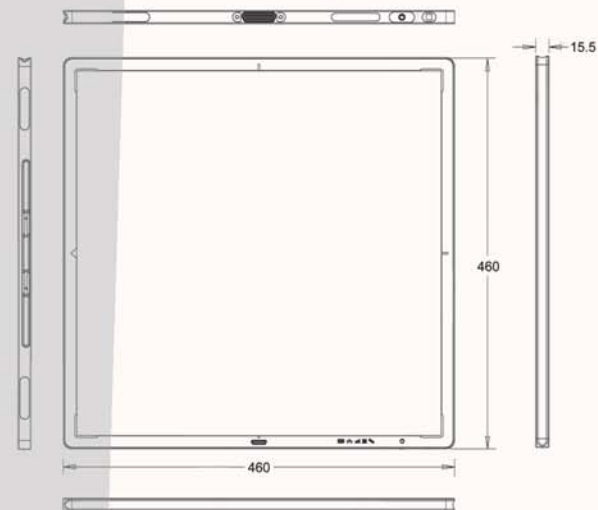
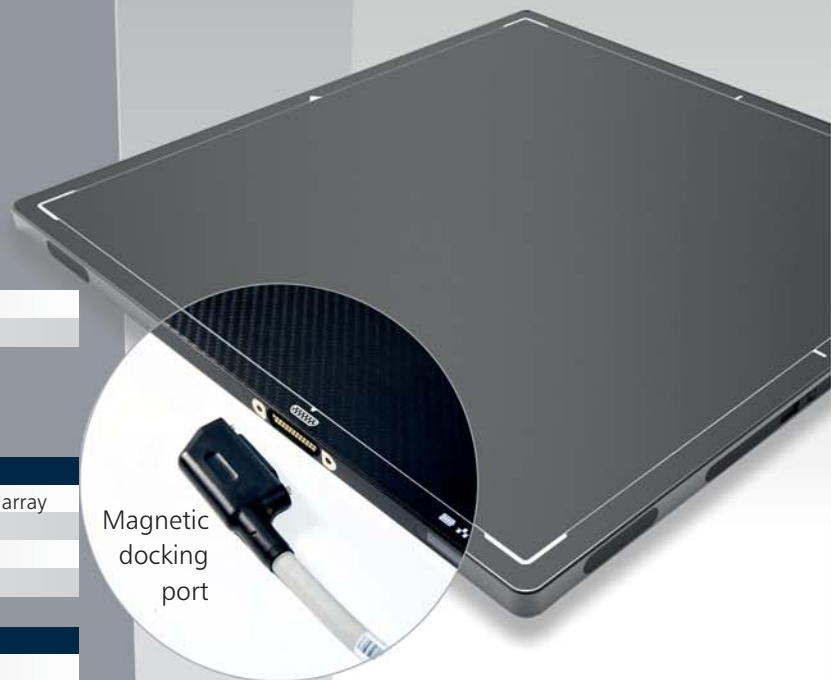
Typical DQE	75% (0 cy/mm), 60% (1 cy/mm), 40% (3 cy/mm) for RQA5
Typical MTF	70% (1 cy/mm), 40% (2 cy/mm), 15% (4 cy/mm) for RQA5
Limiting Resolution	5 cy/mm

### Environmental

Temperature	10°C to 35°C operating
Humidity	20% to 80% operating
Ingress Protection	IPX4 rated

### Advanced Features

Sequence Mode	8 fps at 200 $\mu$ m resolution
On-board Corrections	Image storage with tagging
On-board Storage	Optional IPU-2 external power
Fast Preview	4 x 4 binned quick preview image



IPU - Control box



Please visit [www.or-technology.com](http://www.or-technology.com) for more details

#### Specifications subject to revision without notice

The editor strives to impart correct and up to date information. The provided specifications are based on current knowledge and are subject to revision without notice. This brochure is subject to correction. The editor assumes no responsibility for the information being up to date, correct and complete. All furnished logos, pictures and graphics are property of the particular company and subject to copyright of the licensor. Use, dissemination, distribution or copying of the pictures, logos or text compiled or processed by the editor is subject to our written consent. All rights reserved.

**Headquarters:** OR Technology (Oehm und Rehbein GmbH), 18057 Rostock, Germany, Neptunallee 7c  
Info-Hotline: +49 381 36 600 600, [info@or-technology.com](mailto:info@or-technology.com), [www.or-technology.com](http://www.or-technology.com)  
**OR Technology UK:** Celtic SMR Ltd., Frederick House, Hayston View, Johnston, Haverfordwest,  
Pembrokeshire SA62 3AQ, United Kingdom, [www.celticsmr.co.uk](http://www.celticsmr.co.uk), [sales@celticsmr.co.uk](mailto:sales@celticsmr.co.uk)