

# Wireless Varex flat panel detector **XRpad2 4343W**

17 x 17" [43 x 43 cm]

With 100  $\mu\text{m}$  pixel size, "Direct Deposition CsI" technology and the excellent DQE, the lightweight wireless 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 4343W has an extended range of functions, such as internal image storage and a magnetic docking port. 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)



# Wireless Varex flat panel detector XRpad2 4343W

17 x 17 Zoll [43 x 43 cm]

## Accessories

Battery charger including 2x batteries

## 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	
Status Display	OLED display with Wi-Fi, LAN, battery, and sensor indicators
Wireless Data I/F	802.11n Wi-Fi standard at 5 GHz
Wired Data I/F	GigE, trigger and power via docking connector
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

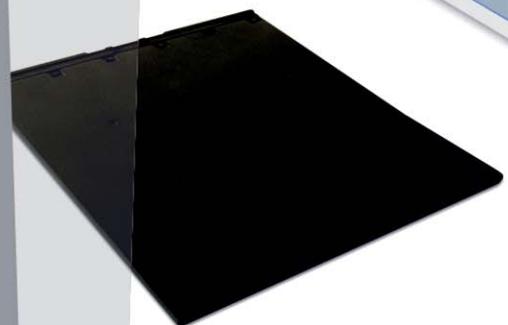
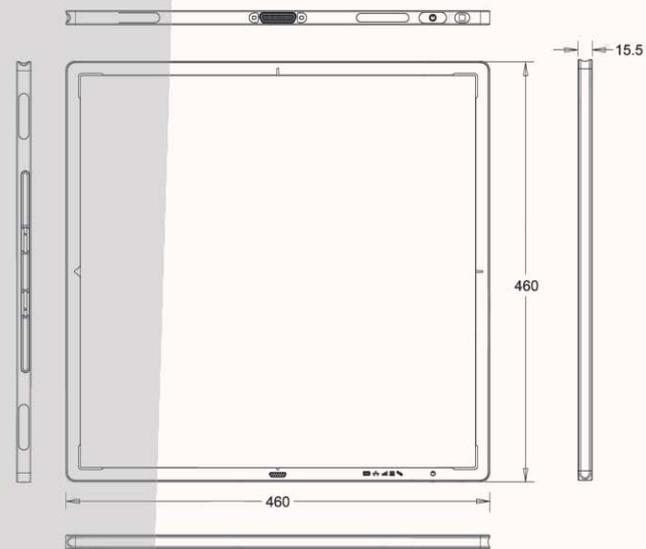
Advanced Features	
Sequence Mode	8 fps at 200 $\mu$ m resolution
On-board Corrections	Image storage with tagging
On-board Storage	Optional IPU-2 external power
Fast Preview	4 x 4 binned quick preview image

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

### Specifications subject to revision without notice

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Battery charger with battery