



PaxScan 4343W

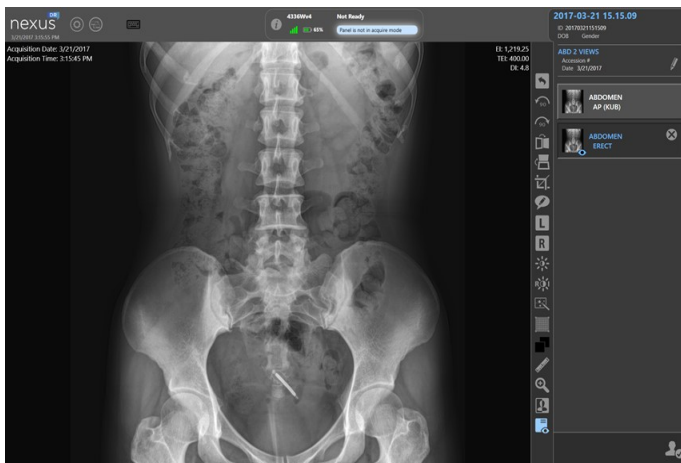
17x17 Wireless Cesium DR System

Varex 4343W is a lightweight wireless flat panel detector designed for digital radiographic systems. It fits standard 17x17" Bucky trays and its 5 GHz wireless connection provides robust communication in table, chest stand and mobile X-ray applications. Option for in-Bucky inductive charging eliminates the need to change batteries. In case inductive charging is not utilized, the detector supports battery hot swap as well.

Varex Imaging's wireless detectors with Nexus DR acquire software allows you to take full advantage of superior digital image quality along with higher throughput, significant workflow efficiencies, and the potential to greatly enhance the level of patient care.

Highlights

- 139 micron Pixel Pitch
- Limiting Resolution 3.0 lp/mm
- Automatic Exposure Detection (AED)
- 16-bit Dynamic Range 65,536 shades of gray
- Industry best IP68 Water Ingress rating
- Directly Deposited Cesium Iodide (CsI)
- 5 Year Manufacturer's Defect Warranty



Nexus DR is an advanced digital image acquisition system designed to automate patient work flow. Nexus includes advanced image processing algorithms for optimal image quality and excellent reliability.

Designed to provide fast and accurate diagnostic images with minimal user interaction. Optimized work flow allows X-ray technologists to focus on the patient while easily capturing high quality images.

TECHNICAL SPECIFICATIONS

SENSOR

Scintillator	DRZ+ / Standard Csl / Premium Csl		
Pixel Matrix	3072 x 3072		
Pixel Pitch	139 μ m		
Active Area (DRZ+)	424 x 424 mm		
(Csl)	421 x 421 mm		

IMAGE QUALITY (typical)

	DRZ+	Standard Csl	Premium Csl
DQE @ 0 lp/mm	39%	65%	76%
DQE @ 1 lp/mm	28%	54%	62%
DQE @ 3 lp/mm	9%	29%	32%
MTF @ 1 lp/mm	56%	61%	57%
MTF @ 2 lp/mm	24%	32%	28%
MTF @ 3 lp/mm	10%	17%	14%

COMMUNICATIONS

Wireless Interface	802.11 n/ac (5 GHz)
Wireless Modes	Station (STA) or Access Point (AP)
Cycle Time @ 550 ms	<5 sec
X-Ray Window	350-4000 ms
Exposure Control - Inputs	Prepare, Exposure-Request
Exposure Control - Outputs	Expose-OK

ADVANCED FEATURES

Inductive Charging	15 Watt In-bucky Charger
Battery Hot Swap	Maintains power/connection for 3 minutes
Gyroscope	Orientation (x, y, z) Status
Bucky Retrofit Option	Inductive Charger

MECHANICAL

Uniform Load Across Entire Surface	300 kg
Concentrated 40 mm Diameter Load at the Center	200 kg
Dimensions	460 x 460 x 15 mm
Weight (DRZ+ / Csl)	3.1 kg / 3.3 kg
Housing Material	Plastic

ENVIRONMENTAL

Ingress Protection	IP68
Operating Temperature	10°C to 40°C
Storage Temperature	-20°C to +55°C
Humidity (non-condensing)	10% to 90%

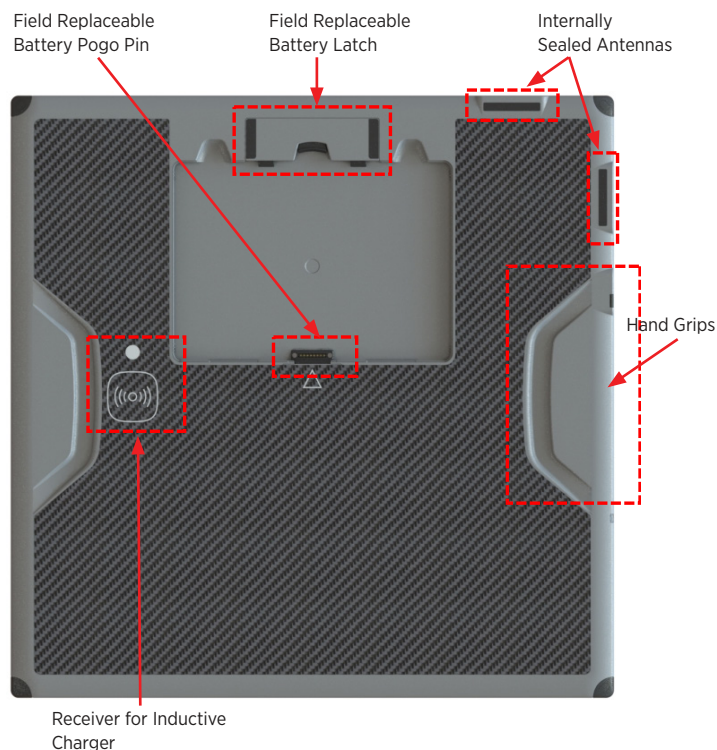
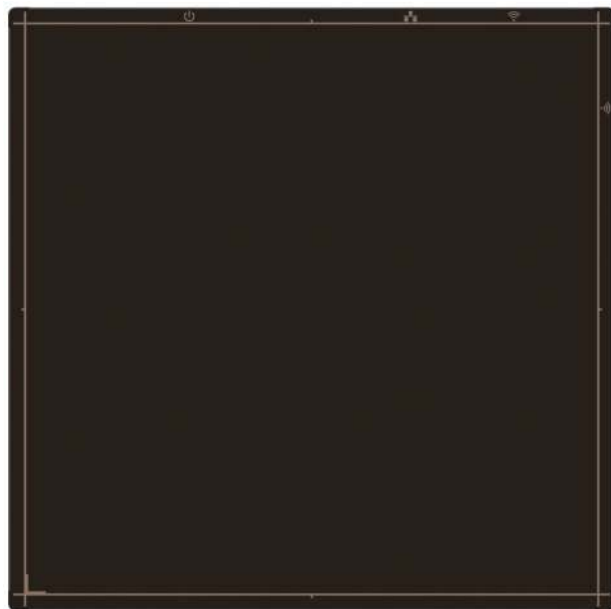
BATTERY

Type	Lithium Polymer (prevents overcharging)
Charge Capability	1600 images over 8 hrs.
Expected Life	500 cycles of charge/discharge

REGULATORY

U.S.	ANSI/AAMI ES 60601-1:2012
Canada	CAN/CSA C22.2 No. 60601-1:14
EU	IEC/EN 60601-1:2012

¹ Unless otherwise specified, Varex Imaging Flat Panel X-ray Detectors are components intended to be integrated into products by X-ray system manufacturers. System manufacturers are responsible for qualifying and validating their products for their intended uses and meeting all applicable regulatory requirements.



Varex Imaging Corporation

USA HEADQUARTERS
Salt Lake City, UT
P: +1-801-972-5000

GERMANY
Walluf
P: +49-6123-971-300

CHINA
Wuxi
P: +86 510 8592-9201

For a complete listing of our global offices,
visit www.vareximaging.com

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