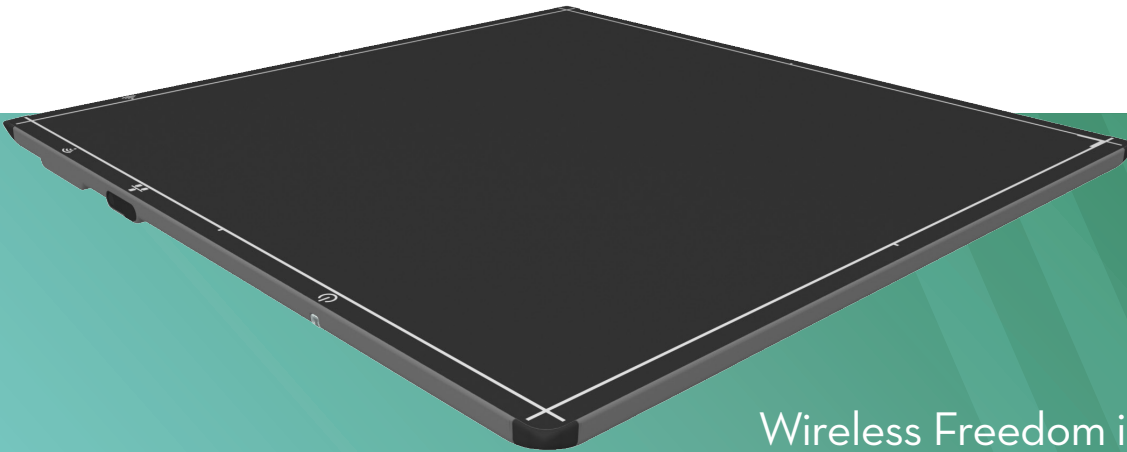


4343W

Digital Radiography



Solutions in Sight™



Wireless Freedom in 17" x 17" Size

Varex 4343W is a lightweight and feature-rich wireless detector designed for reliability and ease of use, thus eliminating the need for separate fixed and wireless detectors.

OVERVIEW

Varex 4343W is a lightweight wireless flat panel detector designed for digital radiographic systems. It fits standard 17" x 17" bucky trays and its 5 GHz wireless connection provides robust communication in table, above table, chest stand, and mobile cart 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 4343W comes in a plastic housing and it is the first panel on the market with an Ingress Protection rating of IP68. This industry-leading housing design is extremely robust and supports uniform loads up to 300 kg and concentrated loads up to 200 kg.

FEATURES AND BENEFITS

- Improved ergonomics including hand grips
- Reduced weight (3.1 kg / 3.3 kg)
- Ingress Protection rating IP68
- Improved wireless performance (5 GHz)
- Reduced cycle time < 5 s
- Battery hot swap (3 mins. up-time)
- Inductive Charging inside bucky
- Enhanced Automatic Exposure Detection (AED)
- Gyroscope (X,Y,Z)
- Hall sensor for bucky positioning
- Shock and free fall sensors
- Dynamic integration time (350-4000 ms)
- Dual Energy capable
- Supports panel sharing
- Customizable overlay

APPLICATIONS¹

- Digital radiography

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%

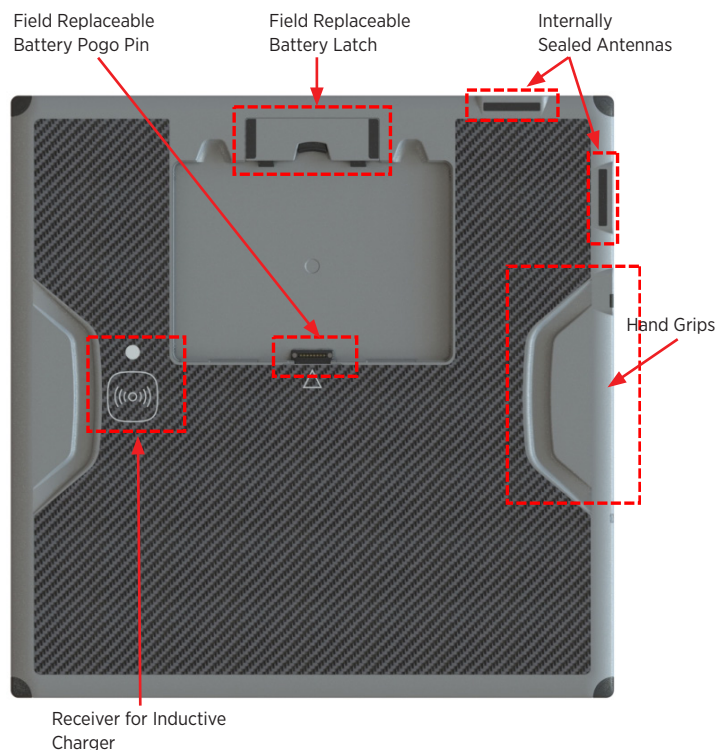
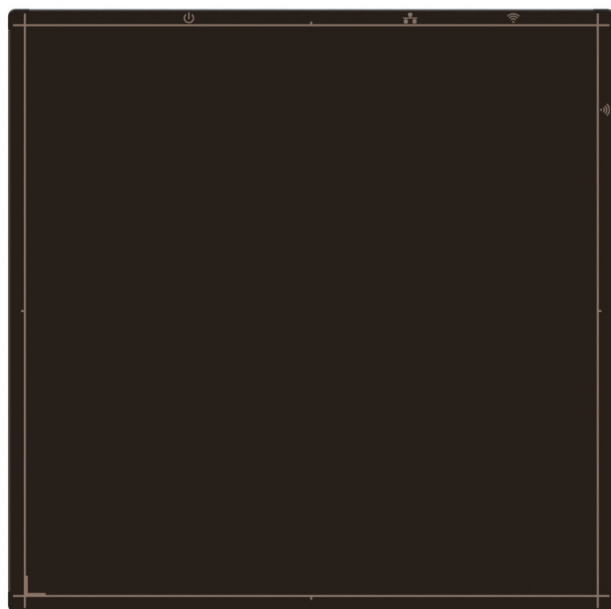
BATTERY

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.



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