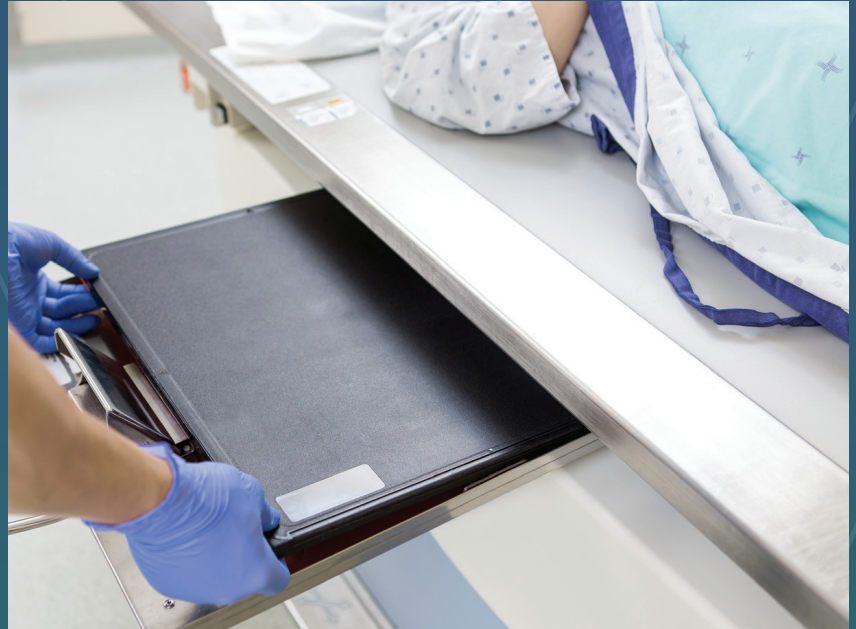


4336W V4 Flat Panel Detector



The 4336W v4 is a light weight, wireless flat panel detector designed for digital radiographic systems. Varex Imaging's wireless detectors allow customers to take full advantage of superior digital image quality along with higher throughput, significant workflow efficiencies, and the potential to enhance patient care.



4336W V4 FLAT PANEL DETECTOR

- Fits standard 14"x 17" (36 cm x 43 cm) bucky trays.
- Wireless communication enables easy migration between table, above the table, chest stand, and mobile cart applications.
- Flexible enough to work with commercially available Access Points, or as a stand-alone Access Point.
- The receptor Software Development Kit (SDK) allows for direct integration into existing systems.
- Option to add advanced system features by integrating with Varex Imaging's Nexus DR software.

vTRIGGER TECHNOLOGY

- A hardware-based solution that uses the detector signal to actively identify the presence of the X-ray beam pulse.
- With vTrigger, the panel can be installed with no connection to the generator.
- Insert the panel, make the wireless connection to the workstation, and vTrigger will enable the panel to detect.
- vTrigger modes are sensitive to dose rate per cm².

Varex Imaging's combination of wireless panels with vTrigger technology is an excellent solution for DR upgrades in table and chest stand room based systems, as well as older generation mobile X-ray carts.

Technical Specifications

Receptor Type	Amorphous Silicon with TFT/PIN diode technology
Conversion Screen	CsI, DRZ +
Pixel Area	Total 42.7 (v) x 34.4 (h) cm (16.8 x 13.5")
	Active (DRZ+) 42.4 (v) x 34.1 (h) cm (16.7 x 13.4")
	Active (CsI) 42.4 (v) x 33.9 (h) cm (16.6 x 13.3")
Pixel Matrix	Total 3,072 (v) x 2,476 (h)
	Active (DRZ+) 3,052 (v) x 2,456 (h)
	Active (CsI) 3,032 (v) x 2,436 (h)
Pixel Pitch	139 μ m
Limiting Resolution	3.6 lp/mm

IMAGE QUALITY	GADOX (typical)	CSI (typical)
DQE @ 0 lp/mm	39%	70%
DQE @ 1 lp/mm	28%	44%
DQE @ 2 lp/mm	17%	38%
DQE @ 3 lp/mm	7%	26%
DQE @ Nyquist	4%	15%
MTF @ 1 lp/mm	56%	57%
MTF @ 2 lp/mm	24%	27%
MTF @ 3 lp/mm	10%	13%
MTF @ Nyquist	6%	10%
Sensitivity	0.54 LSB/nGy	0.55 LSB/nGy
Pixel Noise (1000ms)	9.2 LSB	8.7 LSB
Memory Effect	0.001 (@ 60sec)	0.004 (@ 60sec)

MAIN FUNCTIONALITIES

Cycle Time @ 550ms (X-ray Window)	7 sec (MSR2, RCT)	7 sec (MSR2, RCT)
X-ray window	350-3500 ms	350-3500 ms

DOSE RANGE	DRZ+	CsI
Maximum Linear Dose	100 μ Gy	69 μ Gy
NED	0.65 μ Gy	0.4 μ Gy
Energy Range - Standard	40 - 150 kVp	
Fill Factor	60%	
Scan Method	Progressive	
Data Output	Wireless	
A/D Conversion	16-bit	
Exposure Control	Inputs: Prepare, Expose-Request	
	Outputs: Expose-OK	
Minimum Signal Strength Required	>-80 dBm or no image will be acquired	

SOFTWARE

The 4336W v4 embeds the M-series Varex Imaging Smart Panel (VSP) software within the receptor. Developers interface with the receptor through VSP COMM which resides on the workstation. The integrator experience is simplified through the new M-series software interface. An onboard Control Panel is used to manage receptor settings and configuration. The ViVA™ sample imaging application is included. VSP COMM is Windows® 7 (64 bit) or Windows 8.1 (64-bit) compatible.

WIRELESS

802.11 a/b/g/n/ac, 2x2 MIMO, Wireless Modes STA or AP

COMPUTER REQUIREMENTS

RAM	2.00 GB
CPU	1 GHz or faster processor (32-bit or 64-bit)

BATTERY

Lithium polymer smart battery prevents over charging	
Charge capability	1000 images over 6 hrs
Expected Life	300 cycles of charge/discharge
Weight (approximately)	0.66 lbs (.3 kg)

MECHANICAL

Weight (values are typical) (includes battery)	DRZ+ - 3.6 kg \pm 0.25 kg CsI - 3.8 kg \pm 0.25 kg
Housing Material	Aluminum/Magnesium
Sensor Protection Material	Carbon fiber plate

POWER

Power Consumption	Idle - 3.3 watts Acquisition - 7.8 watts Image Transfer - 10.2 watts
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ENVIRONMENTAL

Shock	High-shock tolerance
Water Resistant	IP51 (horizontal, face up)
Temperature Range - Operating (at back cover)	10°C to 35°C (max.)
(Ambient) - Storage	-20°C to +70°C
Humidity - Operating (non-condensing)	10 to 90%
Storage (non-condensing)	10 to 90%
Atmospheric Pressure - Operating	70 kPa to 106 kPa
Storage	70 kPa to 106 kPa

REGULATORY

U.S.	UL 60601-1
Canada	CSA 22.2 No. 601.1-M90
Electromagnetic Capability	IEC 60601-1-2



MORE INFORMATION

As the world's largest independent supplier of medical X-ray components, we have extensive experience providing high-quality, safe, and effective products.

For more information, please contact a Varex Imaging sales representative at replacement.CS@vareximaging.com.

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