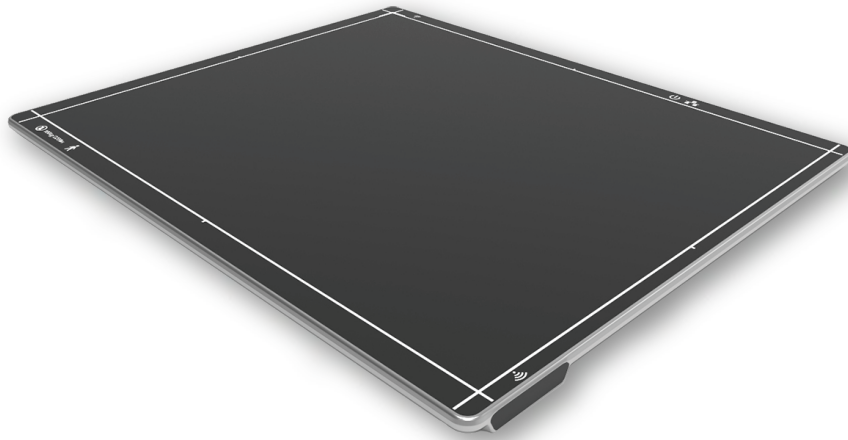


PaxScan 4336Wv4 Wireless DR

The PaxScan® 4336Wv4 is a lightweight, wireless flat panel detector. It's wireless communication enables easy migration between table, above the table, chest stand, and mobile cart applications. It also works with commercially available Access Points, or as a stand-alone Access Point. The receptor SDK allows for direct integration into existing systems.



Nexus DR Acquisition Software

- ▶ Nexus DR is advanced, digital X-ray image acquisition software designed to quickly and easily automate patient workflow and obtain higher quality images using less dose.
- ▶ It was designed to automate patient workflow and it provides a trouble-free solution with advanced image processing algorithms for optimal image quality and excellent reliability.
- ▶ With fast and accurate diagnostic images and minimal user interaction, Nexus DR is an efficient solution for your digital radiography needs.
- ▶ Nexus can be interfaced with most EHR/EMR systems to optimize workflow. Modality Worklist functionality allows X-ray technologists to focus their attention on the patient while easily capturing high quality images.

SPECIFICATIONS

Technical Specifications

Receptor Type . . . Amorphous Silicon with TFT/PIN diode Technology
 Conversion Screen Csl, 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 (Csl) 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 (Csl) 3,032 (v) x 2,436 (h)
 Pixel Pitch 139µm
 Limiting Resolution 3.6 lp/mm
 Automatic Exposure Detection (AED) via vTrigger

Main Functionalities

Cycle Time @ 550ms 5.6 sec (MSR2, RCT)
 (X-ray Window)
 X-ray window 350-3500 ms

Image Quality

	GADOX (typical)	CSl (typical)
DQE @ 0 lp/mm	39%	78%
DQE @ 1 lp/mm	28%	58%
DQE @ 2 lp/mm	18%	42%
DQE @ 3 lp/mm	8%	24%
DQE @ Nyquist	4%	14%
MTF @ 1 lp/mm	56%	57%
MTF @ 2 lp/mm	24%	28%
MTF @ 3 lp/mm	12%	16%
MTF @ Nyquist	7%	11%
Sensitivity	0.6 LSB/nGy	0.86 LSB/nGy
Pixel Noise (1000ms)	9.2 LSB	8.7 LSB
Memory Effect	0.001 (@ 60sec)	0.004 (@ 60sec)

Dose Range

	DRZ+	Csl
Maximum Linear Dose	84 µGy	58 µGy
NED	0.56 µGy	0.36 µGy

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

Patient Contact

Surface Temperature rated to not exceed 42 degrees C
 Weight Limit
 Uniform load across entire carbon fiber surface 150 kg
 Concentrated 40mm diameter load at the center of the image 100 kg
 AED will not false trigger due to mechanical impacts.

Software

The PaxScan 4336Wv4 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), Windows 8.1 (64-bit) and Windows 10 compatible.

Computer Requirements

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

Power

Power Consumption Idle - 4.3 watts
 Acquisition - 8.1 watts
 Image Transfer - 10.0 watts

Battery

Lithium polymer smart battery prevents over charging
 Charge capability 1600 images over 8 hrs
 Expected Life 500 cycles of charge/discharge
 Battery Charge 12 hours in standby mode

Wireless

Wireless Modes STA or AP 802.11 a/g/n/ac, 2x2 MIMO
 Minimum Signal Strength Required >-80 dBm
 or no image will be acquired

Mechanical

Weight (values are typical) (includes battery)
 DRZ+ 2.9 kg ± 0.25 kg
 Csl 3.0 kg ± 0.25 kg
 Housing Material Aluminum
 Sensor Protection Material Carbon fiber plate

Environmental

Shock High-shock tolerance
 Water Resistant IP54
 Temperature Range - Operating (at back cover) 10°C to 35°C (max.)
 (Ambient) - Storage -20°C to +70°C
 Humidity - Operating & Storage (non-condensing) 10% to 90%
 Atmospheric Pressure - Operating & Storage 70 kPa to 106 kPa

Regulatory

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

