

Varex flat panel detector PaxScan[®] 4336Wv4 Gen2

14 x 17 Zoll [36 x 43 cm]

The PaxScan 4336Wv4 Gen2 is a lightweight, wireless flat panel detector designed for digital radiographic systems. The PaxScan 4336Wv4 Gen2 fits standard 14"x17" bucky trays and its wireless communication enables easy migration between table, above the table, chest stand, and mobile applications. The PaxScan 4336Wv4 Gen 2 works with commercially available Access Points, or as a stand alone Access Point.

Equipped with a resolution of 3.6 lp/mm and 139 μ m pixel pitch, the PaxScan 4336Wv4 Gen2 offers exceptional image quality. The highly efficient CsI scintillator guarantees very sharp images with minimal radiation dose.

The X-ray detector consists of aluminium and carbon fibre and is extremely stable with a load of up to 100 kg* or more.

- Detector based on amorphous silicon (a-Si) with PIN technology and with caesium iodide (CsI) scintillator
- 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
- Pixel pitch 139 μ m
- Resolution approx. 3.6 lp/mm
- A/D conversion 16 Bit
- Dimension ca. 38.3 x 45.9 x 1.5 cm
- Weight ca. 3.0 kg
- IP54 water resistant



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Parameter

Technical Specifications	
Receptor Type	Amorphous Silicon with TFT
Conversion Screen	Direct Deposit CsI, Detached CsI
Pixel Area - Total	42.7 (v) x 34.4 (h) cm (16.8 x 13.5")
Active	42.4 (v) x 33.9 (h) cm (16.6 x 13.3")
Pixel Matrix - Total	3,072 (v) x 2,476 (h)
Effective	3,032 (v) x 2,436 (h)
Pixel Pitch	139 μ m
Limiting Resolution	3.6 lp/mm

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

Image Quality	
DQE @ 0 lp/mm	78% without enclosure
DQE @ 1 lp/mm	58% without enclosure
DQE @ 2 lp/mm	42% without enclosure
DQE @ 3 lp/mm	24% without enclosure
DQE @ Nyquist	14% without enclosure
MTF @ 1 lp/mm	57%
MTF @ 2 lp/mm	28%
MTF @ 3 lp/mm	16%
MTF @ Nyquist	11%
Sensitivity	0.86 LSB/nGy
Pixel Noise (1000ms)	8.7 LSB
Memory Effect	0.004 (@ 60sec)

Dose Range	
Maximim Linear Dose	58 μ Gy
NED	0.36 μ Gy
Energy Range Standard	40 - 150 kVp
Scan Method	Progressive
Data Output	Wireless
A/D Conversion	16-bit
Exposure Control Inputs	Prepare, Expose-Request
Exposure Control Outputs	Expose-OK

Mechanical	
Weight (including battery)	3.0 kg \pm 0.25 kg
Housing Material	Aluminum
Sensor Protection	3.0 kg \pm 0.25 kg

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

Please visit www.or-technology.com for more details

Specifications subject to revision without notice

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