



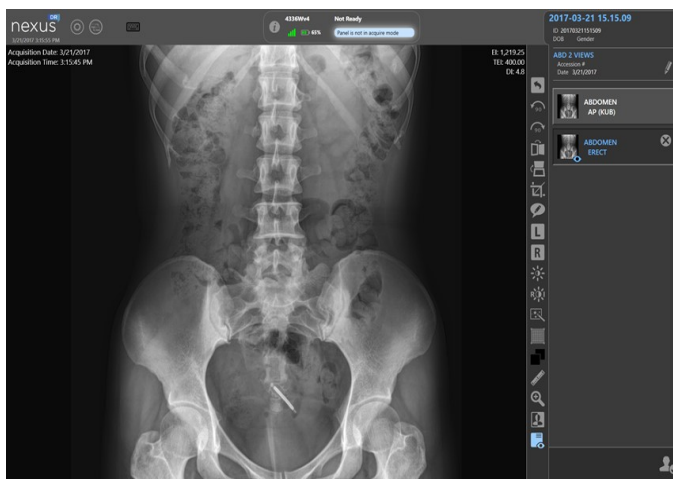
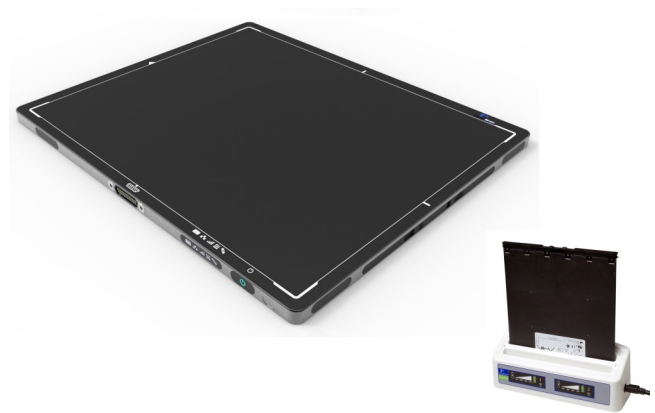
XRpad2 3025

10x12 Wireless Cesium DR System

Featuring best-in-class 100 μm (micron) pixel size, direct deposition CsI scintillator and excellent DQE, XRpad2 3025 enables high resolution imaging with greatly reduced X-ray exposure. XRpad[®] design is lightweight, robust and ergonomic, with scalloped edges to permit easy lifting from table top. Automatic Exposure Detection (AED), on-board corrections, and wireless access point mode make system integration quick and simple. Powered by Nexus[®] image acquisition software by Varex, XRpad is a true OEM solution.

Highlights

- Cassette-sized fits in conventional Bucky tray
- Reduce patient dose by up-to 40%
- Direct deposition Cesium Iodide
- vTrigger Automatic Exposure Detection (AED)
- Industry Best 100 Micron Pixel Pitch
- Battery charger and two batteries
- Excellent Limiting Resolution 5 cy/mm
- 16-bit Dynamic Range 65,536 shades of gray
- IPX4 rated (protection against liquids)
- On-board pixel corrections and storage



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.

XRpad2 4336 Technical Specifications

Sensor	
Panel	Single substrate amorphous silicon active TFT/diode array
Scintillator	Directly deposition CsI:Tl
Pixel Matrix	3004 × 2508
Pixel Pitch	100 μm
Electronics	
Amplifiers	Low noise ASICs with user selectable gains
ADC	16 bit
Image Transfer Time	Wired: 500 ms; Wireless: 2000 ms
On Board Memory	1 GB DDR3, 48GB SDHC Card
Mechanical	
Size	ISO 4090 for 25 cm × 30 cm (10" × 12")
Active area	297.6 mm × 248.0 mm
External dims	282 mm (w) × 332 mm (l) × 15.5 mm (h)
Weight	4 lbs (1.8 kg)
Housing	Aluminum frame with carbon-fiber entrance window
Communications	
Status Displays	OLED display: WiFi, battery & LAN indicators
Wireless Data I/F	802.11n WiFi standard at 5GHz
Wired Data I/F	GigE trigger and power via docking connector
X-ray I/F	Integrated X-ray trigger control Automatic Exposure Detection (AED)
Acquisition SW	Nexus Acquire Software, DICOM 3.0
XRpad Warranty	Two Year Warranty on Detector One Year Warranty on Battery System

Imaging Performance	
Limiting Resolution	5 cy/mm
Typical MTF	65% (1 cy/mm), 38% (2 cy/mm), 14% (4 cy/mm) for RQA5
Typical DQE	75% (0 cy/mm), 58% (1 cy/mm), 38% (3 cy/mm) for RQA5
Environmental	
Temperature	10 – 35 °C operating
Humidity	30 – 70 % RH operating (non-condensing)
Ingress Protection	IPX4 rated (protection against splashing water)
Power	
Battery	Rechargeable battery, 53.3 Wh (qty 2)
Battery Charger	External two bay charger 100-240 V AC 50/60 Hz
Interface and Power Unit	Optional XRpad IPU with external power supply 100-240 V AC, GigE, and X-ray I/F
Regulatory	
Standards	IEC 60601-1, IEC 60601-2, IEC 60601-1-6, FCC 47CFR PT 15, FCC OET 65C, ETSI EN 301 893, EN 62311 ISO 10993-5, ISO 10993-10, CE
Customizable Options	
Sequence Mode	Up to 3 fps (Wired and Wireless with image buffer)
Binned Mode	Up to 8 fps for 2 × 2 binned, 200 μm pitch for a pixel matrix of 1778 × 2160
Image Calibration	On-board offset, gain and defective pixel corrections
Fast Preview	4 × 4 binned quick preview image



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