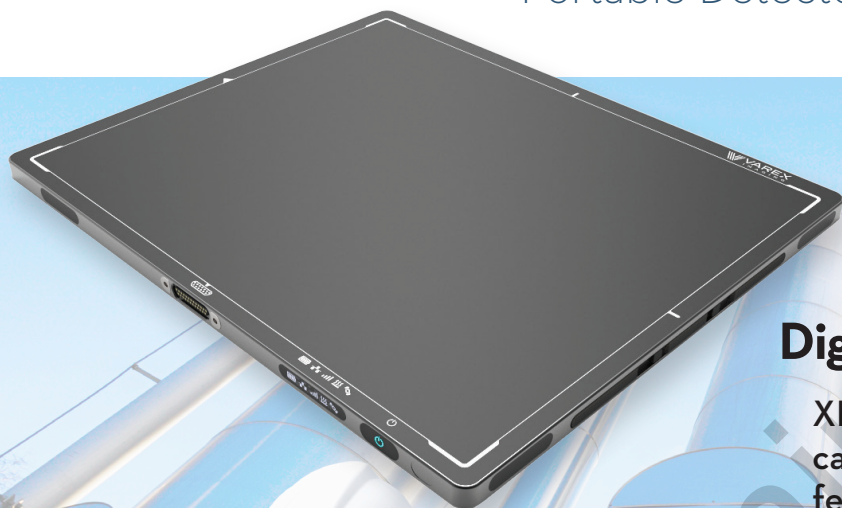




XRpad2 4336i

Portable Detector for Industrial Applications



Digital Radiography in the field

XRpad2 4336i is a lightweight wireless cassette detector with advanced features enabling digital radiography as never seen before.

OVERVIEW

Featuring best-in-class 100 μm pixel size, direct deposition CsI or Gadox scintillator and excellent DQE, XRpad2 4336i enables high resolution imaging with reduced X-ray exposure. Design of the second-generation XRpad[®] is lightweight, robust and ergonomic, permitting easy lifting from table top. Automatic Exposure Detection, on-board corrections, and wireless access point mode make system integration quick and simple.

New features of the XRpad2 4336i include fast preview, internal image storage, and magnetic connector for docking. Continuous imaging with up to 10 fps and on-board frame averaging facilitates advanced applications, such as pipe inspection for corrosion and deposits, Tomosynthesis, general weld inspection with mobile X-ray sources and Isotopes.

FEATURES AND BENEFITS

- 35 cm x 43 cm (14" x 17") image
- High resolution 100 μm pixel pitch (5.0 lp/mm)
- Direct deposition CsI or Gadox scintillator, for excellent image quality
- Up to 65,536 grey levels (16-bit ADC)
- Automatic Exposure Detection (AED)
- Wi-Fi interface (Station and Access Point modes)
- Docking connector for GigE, power and sync
- On-board pixel corrections and storage
- On-board Frame Summing
- Dynamic mode with up to 10 fps at 200 μm resolution
- Fast preview image
- Robust and lightweight design

APPLICATIONS

- Digital Mobile Radiography

Technical Specifications

SENSOR

Panel	Amorphous silicon active TFT-diode array
Scintillator	Direct deposition CsI:TI or Gadox
Pixel Matrix	4288 x 3524
Pixel Pitch	100 μ m

ELECTRONICS

Amplifiers	Low noise ASICs with user selectable gains
ADC	16-bit
Image Transfer Time	Wired: 500 ms; Wireless: 3000 ms
On-board Memory	1 GB DDR3, 8 GB SDHC card

MECHANICAL

Size	ISO 4090 for 35 cm \times 43 cm (14" \times 17") cassette size
Active Area	426 mm \times 350 mm
External Dimensions	384 mm (w) \times 460 mm (l) \times 15.5 mm (h)
Weight	4.3 kg (9.5 lbs)
Housing	Aluminum frame with carbon-fiber entrance window

COMMUNICATIONS

Status Display	OLED display with Wi-Fi, LAN, battery, and sensor indicators
Wireless Data I/F	802.11n Wi-Fi standard at 5 GHz
Wired Data I/F	GigE, trigger and power via docking connector
X-ray I/F	Integrated X-ray trigger control Automatic Exposure Detection

IMAGING PERFORMANCE

Typical DQE (CsI)	75% (0 cy/mm), 60% (1 cy/mm), 40% (3 cy/mm) for RQA5
Typical MTF (CsI)	70% (1 cy/mm), 40% (2 cy/mm), 15% (4 cy/mm) for RQA5
Limiting Resolution	5 cy/mm

ADVANCED FEATURES

Dynamic Mode	10 fps at 200 μ m resolution
On-board Corrections	Offset, gain and defective pixel
On-board Storage	Image storage with tagging
Fast Preview	4 \times 4 binned quick preview image

ENVIRONMENTAL

Temperature	10°C to 35°C operating
Humidity	20% to 80% operating
Ingress Protection	IPX4 rated (protection against splashing water)

ACCESSORIES

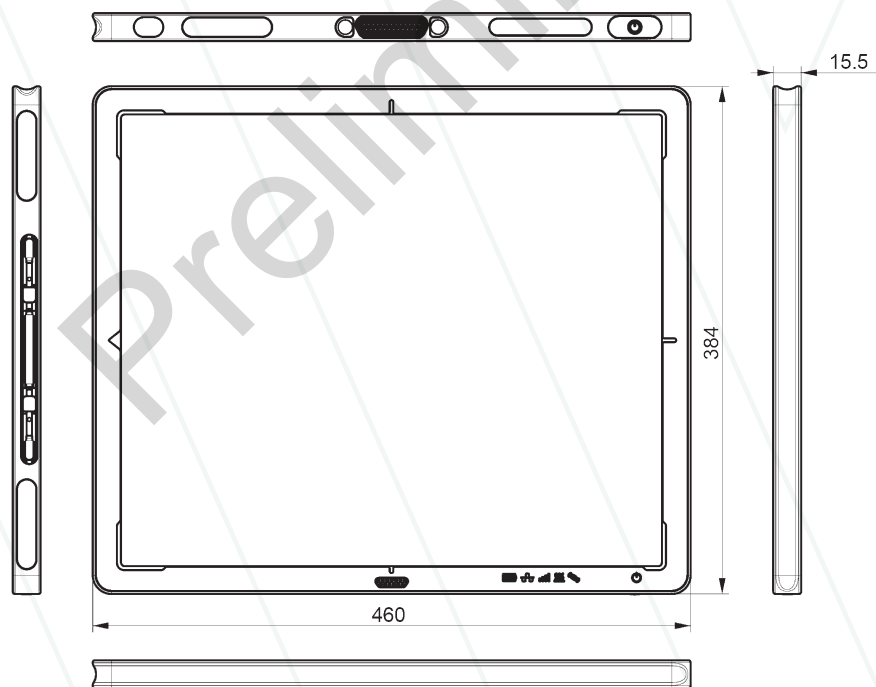
Battery	Rechargeable battery, 11.1 V
Battery Charger	External two bay charger 100 - 240 V AC, 50/60 Hz
Interface and Power Unit	Optional IPU-2 external power supply 100 - 240 V AC, GigE and X-ray I/F

REGULATORY

Standards	EN 61010-1/AC, EN 60601-1-2, FCC part 2 subpart J, FCC part 15 subpart B/C/E, ETSI EN 301 893 V2.1.1, ETSI EN 301 489-1 V2.2.0, ETSI EN 301 489-17 V3.2.0, EN ISO 10993-5, EN ISO 10993-10
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MECHANICAL CHARACTERISTICS

(Dimensions in mm)



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.

Contents in this document are subject to change without notice.

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