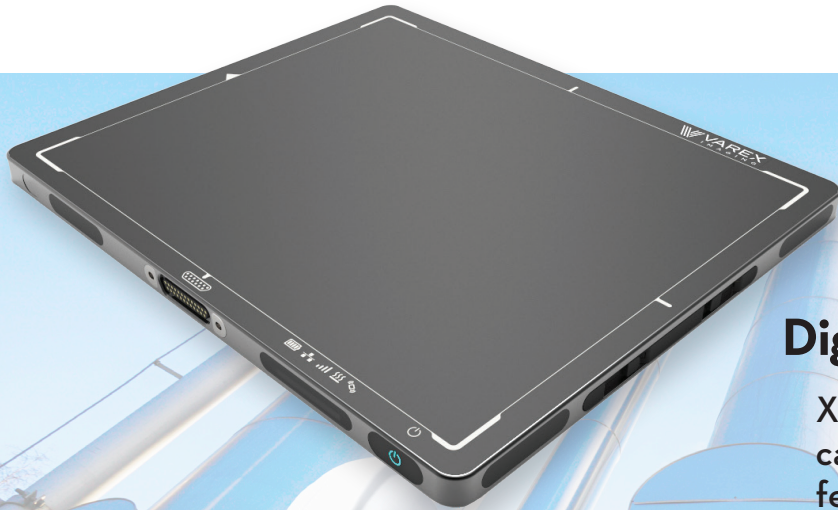


XRpad2 3025i

Portable Detector for Industrial Applications



Digital Radiography in the field

XRpad2 3025i is a lightweight wireless cassette detector with advanced features enabling digital radiography as never seen before.

OVERVIEW

Featuring 100 μm pixel size, direct deposition CsI or Gadox scintillator and excellent DQE, XRpad2 3025i enables high resolution imaging with reduced X-ray exposure time. Design of the industrial XRpad[®] is lightweight, robust and ergonomic, permitting easy lifting and mobility. Automatic Exposure Detection, on-board corrections, on-board averaging and wireless access point mode make system integration and field usage quick and simple.

New features of the XRpad2 3025i include fast preview, internal image storage, and magnetic connector for docking. Continuous imaging with up to 9 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

- 25 cm x 30 cm (10" x 12") 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 Averaging
- Dynamic mode with up to 9 fps at 200 μm resolution
- Fast preview image
- Robust and lightweight design

APPLICATIONS

- Digital Mobile Radiography
- Security Inspection

Technical Specifications

SENSOR

Panel	Amorphous silicon active TFT-diode array
Scintillator	Direct deposition CsI:TI or Gadox
Pixel Matrix	3008 × 2512
Pixel Pitch	100 μm

ELECTRONICS

Amplifiers	Low noise ASICs with user selectable gains
ADC	16-bit
Image Transfer Time	Wired: 300 ms; Wireless: 2000 ms
On-board Memory	1 GB DDR3, 8 GB SDHC card

MECHANICAL

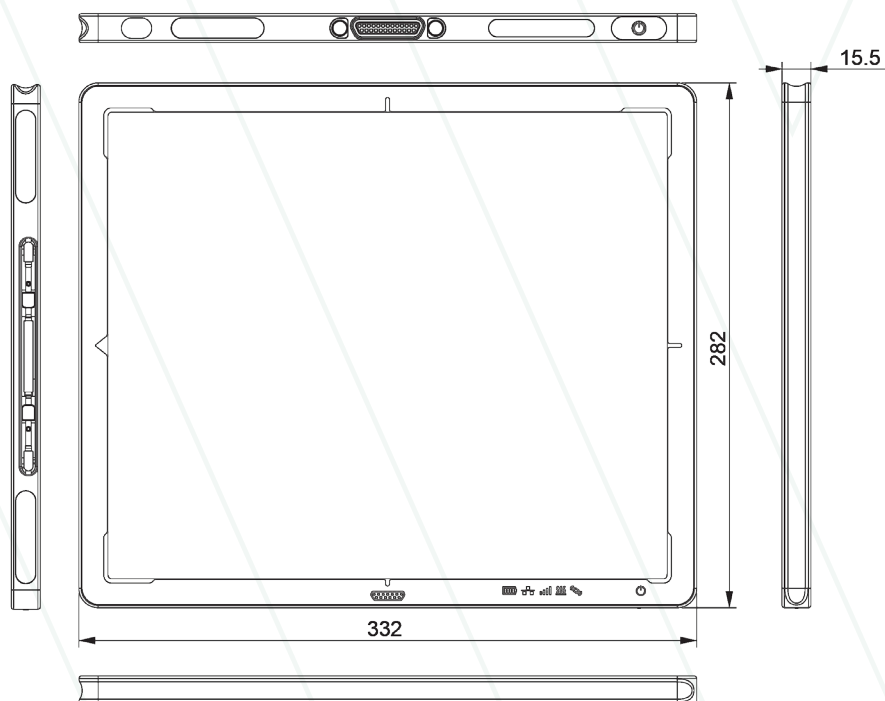
Active Area	298.4 mm × 248.8 mm
External Dimensions	282 mm (w) × 332 mm (l) × 15.5 mm (h)
Weight	2.5 kg (5.5 lbs)
Housing	Aluminum frame with carbon-fiber entrance window

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 via an GigE docking cable or GigE, Trigger and power via docking connector
X-ray I/F	Integrated X-ray trigger control Automatic Exposure Detection

MECHANICAL CHARACTERISTICS

(Dimensions in mm)



ADVANCED FEATURES

Dynamic Mode	9 fps at 200 μm resolution
On-board Corrections	Offset, gain and defective pixel
On-board Storage	Image storage with tagging
On-board Frame Averaging	Up to 1024 frames
Fast Preview	4 × 4 binned quick preview image
Limiting Resolution	5 cy/mm

ENVIRONMENTAL

Temperature	10°C to 35°C operating
Humidity	20% to 80% operating
Ingress Protection	IP54 rated (protection against dust and 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, , 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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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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