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

www.vareximaging.com
## Technical Specifications

### SENSOR
- Panel: Amorphous silicon active TFT-diode array
- Scintillator: Direct deposition CsI:Tl or Gadox
- Pixel Matrix: \(3008 \times 2512\)
- Pixel Pitch: 100 \(\mu\)m

### 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 \times 248.8 mm
- External Dimensions: 282 mm (w) \times 332 mm (l) \times 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

### ADVANCED FEATURES
- Dynamic Mode: 9 fps at 200 \(\mu\)m resolution
- On-board Corrections: Offset, gain and defective pixel
- On-board Storage: Image storage with bagging
- On-board Frame Averaging: Up to 1024 frames
- Fast Preview: 4 \times 4 binned quick preview image

### 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

### 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

## MECHANICAL CHARACTERISTICS

*(Dimensions in mm)*

![Mechanical Characteristic Diagram](image-url)

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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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