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 100 µm pixel size, direct deposition CsI or Gadox scintillator and excellent DQE, XRpad2 4336i 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 4336i include fast preview, internal image storage, and magnetic connector for docking. Continuous imaging with up to 7 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 Averaging
• Dynamic mode with up to 7 fps at 200 µm resolution
• Fast preview image
• Robust and lightweight design

APPLICATIONS
• Digital Mobile Radiography
• Industrial Inspection

www.vareximaging.com
The data in this document is for reference only.

Technical Specifications

SENSOR
Panel ........................................ Amorphous silicon active TFT-diode array
Scintillator ................................. Direct deposition CsI:Tl or Gadox
Pixel Matrix ............................. 4288 x 3524
Pixel Pitch .................................. 100 µm

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
Active Area ................................... 426 mm x 350 mm
External Dimensions ............... 384 mm (w) x 460 mm (l) x 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 via a GigE docking cable or GigE, Trigger and power via docking connector
X-ray I/F ....................................... Integrated X-ray trigger control
Automatic Exposure Detection

ADVANCED FEATURES
Dynamic Mode .............................. 7 fps at 200 µm 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 x 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

MECHANICAL CHARACTERISTICS

(Dimensions in mm)

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