XRpad2 3025 HWC
Flat Panel Detector

OVERVIEW
Featuring best-in-class 100 μm pixel size, direct deposition CsI scintillator and excellent DQE, XRpad2 3025 HWC 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 3025 HWC include fast preview, internal image storage, and magnetic connector for docking. Continuous imaging at up to 10 fps facilitates advanced applications such as tomosynthesis, dual energy subtraction, and image stitching.

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, 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
- Dynamic mode for with 10 fps at 200 μm resolution
- Fast preview image
- Robust and lightweight design

APPLICATIONS
- Digital radiography

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Digital Radiography and Beyond
XRpad2 3025 HWC is a lightweight wireless cassette detector with advanced features enabling digital radiography as never seen before.
Technical Specifications

SENSOR
Amorphous silicon active TFT-diode array
Direct deposition CsI:Tl
3004 × 2508
100 µm

ELECTRONICS
Low noise ASICs with user selectable gains
16-bit
300 ms; Wireless: 2000 ms
1 GB DDR3, 8 GB SDHC card

MECHANICAL
Size: 25 cm × 30 cm (10” × 12”)
Active Area: 297.6 mm × 248.0 mm
External Dimensions: 282 mm (w) × 332 mm (l) × 15.5 mm (h)
Weight: 1.8 kg (4 lbs)
Housing: Aluminum frame with carbon-fiber entrance window

COMMUNICATIONS
OLED display with Wi-Fi, LAN, battery, and sensor indicators
802.11n Wi-Fi standard at 5 GHz
GigE, trigger and power via docking connector
Integrated X-ray trigger control
Automatic Exposure Detection

IMAGING PERFORMANCE
75% (0 cy/mm), 60% (1 cy/mm), 40% (3 cy/mm) for RQA5
70% (1 cy/mm), 40% (2 cy/mm), 15% (4 cy/mm) for RQA5
5 cy/mm

ADVANCED FEATURES
10 fps at 200 µm resolution
Offset, gain and defective pixel
Image storage with tagging
4 × 4 binned quick preview image

ENVIRONMENTAL
10°C to 35°C operating
20% to 80% operating
IPX4 rated (protection against splashing water)

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

REGULATORY
EN 60601-1:2006/A1:2013, EN 60601-1-2:2015,
FCC part 2 subpart J, FCC part 15 subpart B/C/E,
ETSI EN 301 893 V2.1.1 (2017-03),

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.

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