Wireless flat panel detector
Varex-PerkinElmer XRPad2 3025

25 x 30 cm [10 x 12 Zoll]

The XRpad2 3025 is a lightweight wireless flat panel detector weighing only 1.8kg. It offers an extended range of features such as internal image storage and a magnetic docking port.

Featuring best-in-class 100 μm pixel size, direct deposition CsI scintillator or Gadox and excellent DQE, the XRpad2 3025 allows for high resolution imaging with reduced X-ray dosage. The design is lightweight, robust and ergonomic. Automatic Exposure Detection, on-board corrections, and wireless access point mode enable fast and optimal use in all situations.

- Dynamic mode with continuous output of up to 10 fps

- Onboard preview: The flat panel detector sends a preview immediately after image acquisition

- Acknowledge function: Buffering of acquired images

- High resolution 100 μm

- Pixel pitch (5.0 lp/mm)

- Pixel array 2508 × 3004

- Dimensions (W x H x D)
  282 mm × 332 mm × 15.5 mm

- Weight approx. 1.8 kg (4 lbs)

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Parameter

Sensor	
Scintillator	Direct deposition CsI:Tl or Gadox
Active Area	248 mm × 297.6 mm
Pixel Matrix	2508 × 3004
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	
Size	ISO 4090 for 25 cm × 30 cm (10" × 12") cassette size
Active Area	2480 mm × 297.6 mm
External Dimensions (w/l/h)	282 mm × 332 mm × 15.5 mm
Weight	1.8 kg (4 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 (AED)

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

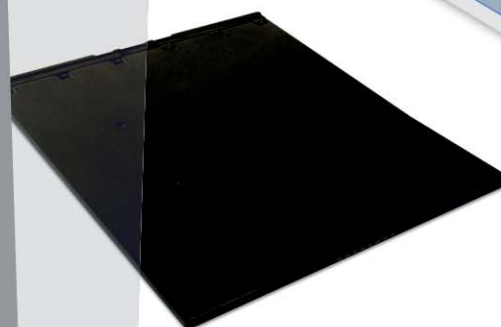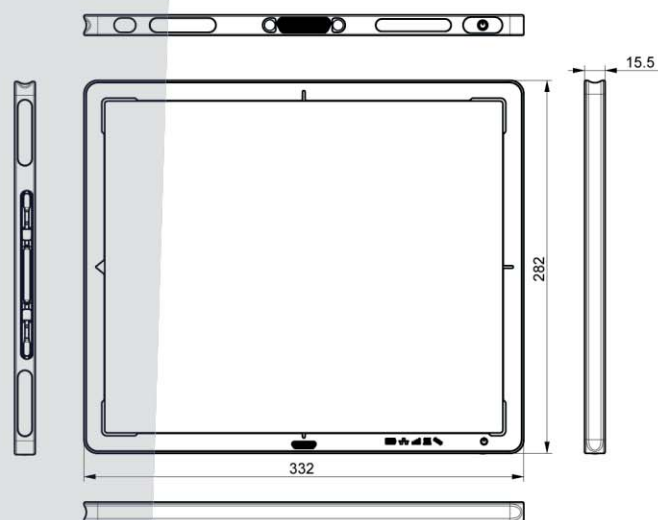| Environmental	
Temperature	10 °C to 35 °C operating
Humidity	20% to 80% operating
Ingress Protection	IPX4 rated (splash water protection)

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

Please visit **www.or-technology.com** for more details

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15.5

282

332

Battery charger with batteries