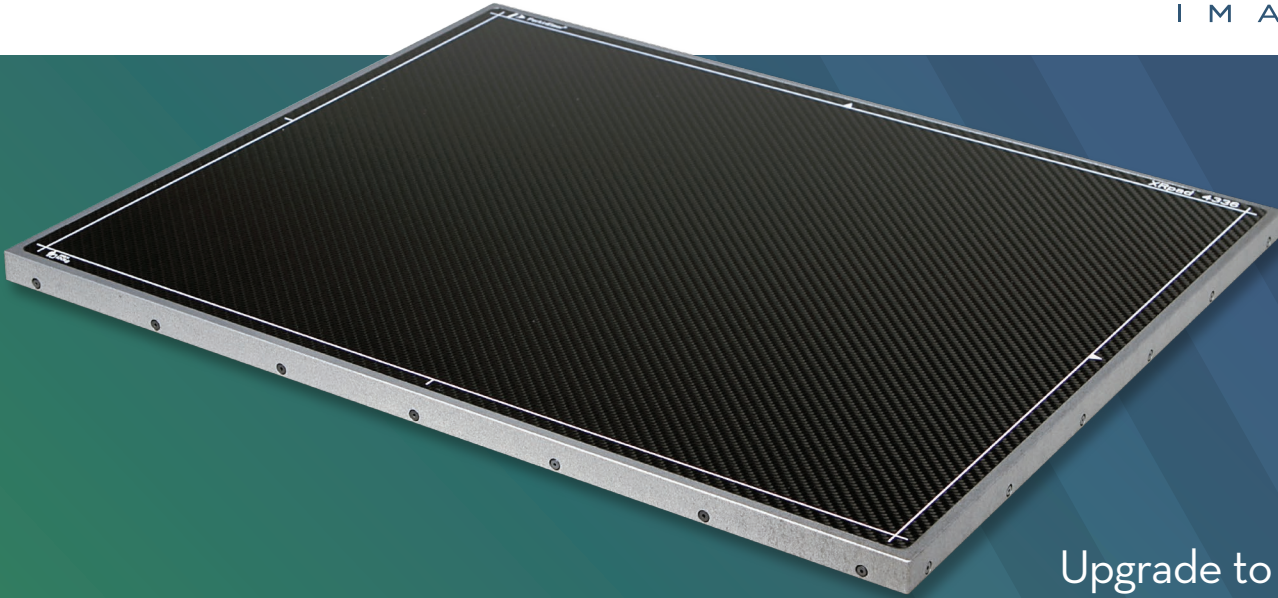


XRpad 4336

Flat Panel Detector



Upgrade to Digital
Radiography

OVERVIEW

The Varex Imaging XRpad™ 4336 is a wireless, light weight, cassette-sized flat panel detector for digital radiography. It fits into a conventional table or wall-stand Bucky, just like a film-screen cassette.

Featuring a 15 million pixel image matrix, a best-in-class 100 µm pixel pitch, and a directly deposited CsI scintillator, the Varex Imaging XRpad® 4336 provides exceptional image quality. True 35 x 43 cm² imaging area per the ISO 4090 cassette standard is provided, along with a removable, rechargeable battery. Single-piece carbon-fiber construction for the front and back housing allows for easier placement and cleaning. Automatic Exposure Detection simplifies integration.

FEATURES AND BENEFITS

- Cassette detector per ISO 4090, fits in conventional Bucky
- True 35 cm x 43 cm (14" x 17") image
- High resolution 100 µm pixel pitch
- Up to 65,536 gray levels
- Automatic Exposure Detection (AED)
- Direct deposition CsI, for excellent image quality
- Wireless 802.11n standard
- Integrated status display
- Rechargeable battery
- Optional connector for power and data communication
- On board memory for image storage

APPLICATIONS¹

- Digital radiography

Technical Specifications

SENSOR

Panel Single substrate amorphous silicon active TFT/diode array
Scintillator Direct deposition CsI:Tl
Pixel Matrix 3556 × 4320
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, 4 GB SDHC card

MECHANICAL

Size ISO 4090 for 35 cm × 43 cm (14" × 17") cassette size
Active Area True 355 mm × 432 mm
External Dimensions 384 mm (w) × 460 mm (l) × 15 mm (h)
Weight 3.8 kg (8.4 lbs)
Housing Carbon-fiber front & back

COMMUNICATIONS

Status Display OLED display with WiFi, battery, and sensor indicators
Wireless Data I/F 802.11n WiFi standard
Wired Data I/F GigE via optional power & communication tether
X-ray I/F Integrated X-ray trigger control
Automatic Exposure Detection

IMAGING PERFORMANCE

Limiting Resolution 5 cy/mm
Typical MTF 70% (1 cy/mm), 40% (2 cy/mm), 15% (4 cy/mm) for RQA5
Typical DQE 75% (0 cy/mm), 60% (1 cy/mm), 40% (3 cy/mm) for RQA5
Energy Range 20 – 150 kV

ENVIRONMENTAL

Temperature 10 – 35°C operating
Humidity 30 – 70 % RH operating (non-condensing)

POWER

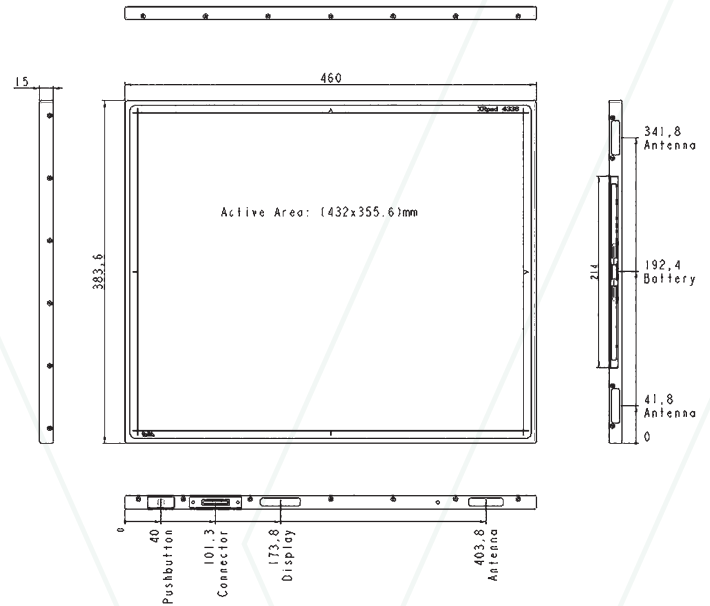
Battery Rechargeable battery, 11.1 V
Battery Charger External two bay charger 100-240 V AC 50/60 Hz
Interface and Power Unit Optional XRpad IPU with external power supply 100-240 V AC, GigE, and X-ray I/F

REGULATORY

Standards IEC 60601-1, IEC 60601-1-2, IEC 60601-1-6, FCC 47CFR PT 15,
FCC OET 65C, ETSI EN 301 893 V2.1.1 (2017), EN 62311
ISO 10993-5, ISO 10993-10, CE

MECHANICAL CHARACTERISTICS

(Dimensions in mm)



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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