

DIGIRAD[®]
By MEDITECH S.A.

DIGINET[®]
By MEDITECH S.A.

DIGIVIEW[®]
By MEDITECH S.A.

RADIOLOGÍA DIGITAL
WIFI

PANELES PLANOS INALÁMBRICOS

- Modelos para todas las necesidades
- Precios accesibles
- Software desarrollado en argentina
- Soporte técnico
- Asesoramiento
- Garantía



J. A. Roca 3456 - Florida
Bs.As. - Argentina
Tel: +54(11)4760-3300
Fax: +54(11)4761-1750
www.meditech.com.ar

**MEDITECH**
MEDICAL TECHNOLOGY
MEDICAF TECHNOLOGIA
WEDITECH

THALES

TECHNICAL SPECIFICATIONS (preliminary)

Technology

Pixel size
X-ray sensitive area
Maximum x-ray dose
Maximum linear dose
X-ray generator voltage range
DQE @ 0 lp/mm
AD conversion
High-resolution image display
Battery operating time

PORTABLE 3543 EZ

Pixium® Csl coupled to TFT matrix aSi technology
148 µm
~ 35 x 43 cm
75 µGy
50 µGy
40 – 150 KV
66 %
16 bits
< 10 seconds, Preview in 3 seconds
Up to 8 hours

PORTABLE 2430 EZ

Pixium® Csl coupled to TFT matrix aSi technology
148 µm
~ 24 x 30 cm
75 µGy
50 µGy
40 – 150 KV
66 %
16 bits
< 6 seconds, Preview in 1 second
Up to 10 hours

Interfaces

Wireless connection
Communications interface
DC input voltage

WiFi
Ethernet
12 V

WiFi
Ethernet
12 V

Mechanical characteristics

Dimensions
Weight
Back up connection cable

ISO 4090 Cassette size
2.8 kg (including battery)
Yes

ISO 4090 Cassette size
1,580 kg (including battery)
Yes
IP 41

Accessories

Grid frame
Battery charger

Yes
Yes, up to 3 batteries simultaneously

Yes
Yes, up to 3 batteries simultaneously



Sensor

Panel Single substrate amorphous silicon active TFT/diode array
Scintillator Direct deposition Csl:Tl
Pixel Matrix 3556 x 4320
Pixel Pitch 100 µm

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

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

Environmental

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

Mechanical

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

Power

Battery Rechargeable battery, 53.3 Wh
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

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

Regulatory

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

Customizable Options

Sequence Mode Up to 3 fps (Wired and Wireless with image buffer)
Binned Mode Up to 8 fps for 2 x 2 binned, 200 µm pitch for a pixel matrix of 1778 x 2160
Image Calibration On-board offset, gain and defective pixel corrections
Fast Preview 4 x 4 binned quick preview image
WAP Mode Wireless Access Point Functionality



| | | | | | |
|-----------------------------|---|-----------------------|---------------------------|------------------------|-----------------------------|
| Detector Technology | Amorphous Silicon | Shock Tolerance | High | Data Interface | WiFi/Ethernet |
| Scintillator | GOS | Option | Grid Frames | Detector Control | WiFi/Ethernet |
| Active Area | 14"x17" | Limiting Resolution | 3.3 lp/mm | Trigger Mode | Sync-shot/Software |
| Accessories | Charging dock, Cables, 2 Extra Batteries | Operating Temperature | 0-30°C | Battery | > 3h (Battery changeable) |
| Pixel Pitch | 150µm | Storage Temperature | -20-60°C | Weight | 3.6kg |
| Number of Pixels | 2304x2800 | Operating Humidity | 10-70% | Power Supply | 24V |
| AD Conversion | 14bits | Storage Humidity | 10-70% | Adapter | AC input: 100-240V, 50-60Hz |
| Full Image Acquisition Time | 5s preview 10s full image (post-offset) | Dimension | 384x460x15.4mm | Internal Image Storage | 200 full size images |
| | | Housing Material | Carbon Fiber and Aluminum | | |

