MULTIPURPOSE, LARGE-FORMAT DIGITAL X-RAY DETECTOR

The new Pixium RF 4343 FL (model 4) is a flat-panel digital detector with the largest field-of-view in the market, that is designed for easy integration in classical R&F tables. They allow manufacturers to offer radiologists an all-digital real-time system, generating high-quality images for both routine dynamic applications and high-end static ones.

Digital technology facilitates the work of X-ray technicians and speeds up the process, allowing medical centers to optimize patient throughput.

DIGITAL RADIO-FLUOROSCOPY

Pixium RF 4343 FL (Model 4)
Universal value detector with optimised features
DIGITAL RADIO-FLUOROSCOPY

Pixium RF 4343 FL (model 4)
(with or without PU Alpha)
Quality, reliability, versatility

UNIVERSAL: A SINGLE DETECTOR FOR BOTH
RADIOGRAPHY AND FLUOROSCOPY

Integrated in R&F tables, the Pixium RF 4343 FL model 4 allows
radiologists to perform X-ray exams (bones, lungs), positioning or
to carry out routine fluoroscopic exams (arthroscopy, barium
swallow, gastrointestinal, musculoskeletal, etc.).
The Pixium detector delivers a higher quality all-digital image for
each type of application.

REAL-TIME, COST EFFECTIVE AND LOW-DOSE
DETECTOR

Our new detector is your cost-effective solution which allows
you an easy transition to digital. This solution provides you
with high quality images and optimized patient throughput.

TECHNICAL SPECIFICATIONS

**Pixium RF 4343 FL model 4 (with or without PU Alpha)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scintillator</td>
<td>Pixium® CsI</td>
</tr>
<tr>
<td>Pixel size</td>
<td>148 µm</td>
</tr>
<tr>
<td>X-ray sensitive array</td>
<td>17” x 17” inch</td>
</tr>
<tr>
<td></td>
<td>43 x 43 cm</td>
</tr>
<tr>
<td></td>
<td>2874 x 2840 pixels</td>
</tr>
<tr>
<td>X-ray exposure dose</td>
<td>0.2 to 3 µGy</td>
</tr>
<tr>
<td>Maximum linear dose (radialogical</td>
<td>50 µGy</td>
</tr>
<tr>
<td>X-ray generator voltage range</td>
<td>40 to 150 kVp</td>
</tr>
<tr>
<td>DOE @ 0 lp/mm</td>
<td>73 % typ. at 2 µG RQA5</td>
</tr>
<tr>
<td>MTF @ 1 lp/mm</td>
<td>66 % typ.</td>
</tr>
<tr>
<td>MTF @ 2 lp/mm</td>
<td>35 % typ.</td>
</tr>
<tr>
<td>Lag (1st frame)</td>
<td>&lt; 1 %</td>
</tr>
<tr>
<td>Lag (2nd frame)</td>
<td>&lt; 0.5 %</td>
</tr>
<tr>
<td>AD conversion</td>
<td>16 bits</td>
</tr>
<tr>
<td>Number of modes</td>
<td>22 [3 RAD, 19 Fluoroscopy]</td>
</tr>
</tbody>
</table>

**Interfaces**

- Communication & image data: Ethernet
- DC input power for PU and detector: 24 V

**Mechanical characteristics**

- Detector dimensions: 500 x 490 x 45.5 mm
- Detector weight: 14 kg max
- Processing unit dimensions: 264 x 240 x 83.85 mm
- Processing unit weight: 2.3 kg Max

Universal Pixdyn software platform

Pixdyn software platform allows you to easily integrate new
detectors into your systems.

It is compatible with all dynamic detectors: Pixium® 2121/
Pixium® 3030 Imaging Suite, Pixium® 2121 / Pixium®
3030 Efficiency, Pixium® 3040, Pixium® RF 4343 FL
(Model 4), etc.

PixDyn software platform eases the management of
calibration and image acquisition, flat panel detector
control, service information, and noise filter.

Thanks to PixDyn platform integration directly into the
customer’s PC, this lightweight solution allows more
flexibility and manoeuvrability of systems.

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