

DATA SHEET

NFP SYSTEM

NF4335I00 - INDUSTRIAL DETECTOR



watch the video

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NFP-IND is a newly patented x-ray detector that uses a PSP plate combined to an integrated laser system for the image reading.

Thanks to its good resolution and its wide dynamic range, the detector delivers excellent image quality in any condition. The PSP plate can operate with wide difference of x-ray energy from 30 kV to 300 kV.

The detector long durability is ensured because the PSP plate is fixed inside the detector and it never gets in contact with the moving parts.

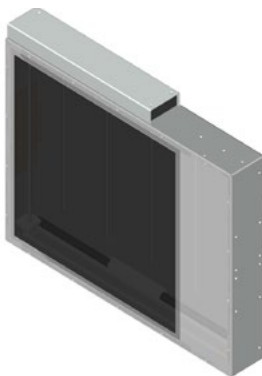
There is no need of synchronization between the detector and the x-ray generator.

The detector is readout after the x-ray exposure. The exposure can be done with high mA in a short time or with low mA in more time; PSP plate integrates dose in time.

The detector can be programmed with different working modules: different resolution with different readout time.

No warm-up time or recalibration required at switch on because the detector is immediately ready for the acquisition.

The detector is available in three different sizes with gigabit ethernet or USB2 interface.



<i>Model</i>	NF3024I00 NF4335I00 NF4343I00
<i>Mechanical Dimension</i>	460 x 320 x 93 mm <i>Size 1</i> 615 x 450 x 95 mm <i>Size 2</i> 615 x 520 x 95 mm <i>Size 3</i>
<i>Active Area</i>	240 x 300 mm 355 x 430 mm 430 x 430 mm
<i>Pixel Resolution</i>	2048 x 2560 2400 x 3000 3072 x 3072
<i>Pixel Size</i>	100/140 µm
<i>Grey Scale</i>	16 bit
<i>Limiting Resolution</i>	4,3 lp/mm
<i>Interface</i>	cable - Ethernet or USB
<i>DQE - MTF</i>	CR quality
<i>Power Supply</i> <i>Ethernet Interface</i>	24 Vdc 250 mA (stand-by) 1.8 A (erasing)
<i>Weight</i>	5.61 kg <i>Size 1</i> 7.2 kg <i>Size 2</i> 8.9 kg <i>Size 3</i>
<i>Reading Time</i>	5 ÷ 20 sec
<i>Working Temperature</i>	10 ÷ 40 c°
<i>Energy Range</i>	30 ÷ 300 Kvp

EN 60601-1-2 EMC
EN 60601-1 Safety



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