



PROTEC

Member of **REINSBERG** GROUP

Digital Imaging

RAPIXX DR System

4343 1i WiFi Set



Verantwortlich für das Zusammensetzen von Produkten zu diesem System nach Artikel 22 der Verordnung (EU) 2017/745:

Responsible for putting devices together to this system acc. to Article 22 of Regulation (EU) 2017/745:

PROTEC X-ray Systems GmbH | In den Dorfwiesen 14 | D-71720 Oberstenfeld

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Product Features

PROTEC DR-system complete set

The RAPIXX DR system complete package includes a portable detector in cassette format, the CONAXX 2 DR image acquisition software and the optional INTERFACE BOX. However, a generator connection is not necessary due to the automatic exposure detection of the detector. The detector of the RAPIXX 4343 1i WiFi set includes two batteries and a charging station.

Excellent image quality within seconds

Due to its 16 bit dynamic range and high DQE, the detector ensures outstanding and artifact-free image quality. In combination with the automatic advanced image processing within the CONAXX 2 DR acquisition software, the patient dose can be reduced. The automatically optimized image appears within 5 – 8 seconds on the screen and guarantees the fastest and best X-ray you have ever had.

Outstanding detector performance

By means of its low weight and the well-known performance of a cassette, the RAPIXX 4343 1i WiFi detector is always close at hand. The detector includes an integrated retractable handgrip, which makes the mobile use more convenient. The RAPIXX DR system is very robust and flexible during use, through both its capacity to support up to 240 kg as well as its net weight of 4.6 kg (with battery).

Detector with standard cassette size

Easy integration into existing X-ray system can be realized with the RAPIXX 4343M1i WiFi and RAPIXX 4343V1i WiFi as a result of the standardized cassette format detector. The simplest way to professionally digitize an X-ray system. Consequently, the detector can be easily placed into existing wall or table stands.

Automatic Exposure Detection – Simply uncomplicated

With the automatic exposure detection you can get started immediately. There is no need to connect the generator with the RAPIXX DR system and therefore the detector can be put into operation with all generators. No cables to the detector, no cables to the PC/notebook, no cables to the generator, no cables to power supplies, no cables in the way!

Integrated Access Point – Simply connected

An Access Point (AP) enables images to be directly sent to a Wi-Fi connected computer within seconds. No separate access point needed, thus no additional cables needed.

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RAPIXX 4343M1i WiFi

RAPIXX 4343V1i WiFi

Technical Product Specifications

<i>Scintillator</i>	CsI (M1i)
<i>Pixel size</i>	139 μ m
<i>Resolution</i>	3.6 lp/mm
<i>Cassette dimensions</i>	460 x 460 x 15 mm For ISO 4090 compliant Buckys
<i>Active area</i>	427 x 427 mm 3072 x 3072 pixels
<i>Energy voltage range standard</i>	40 – 150 kV
<i>Number of batteries in standard delivery conditions</i>	2
<i>Battery operating time</i>	up to 8h, depending on usage and settings
<i>Battery charging time</i>	2.5 h
<i>Battery capacity</i>	4180 mAh
<i>Wireless connection</i>	Wi-Fi (IEEE802.11a/b/g/n/ac)
<i>Wireless Frequency</i>	2.4 GHz / 5 GHz
<i>Additional Access Point</i>	Not needed (optional)
<i>Splash protection class</i>	IPX1
<i>DQE @ 0 lp/mm (RQA5)</i>	66% (CsI)
<i>MTF @ 1 lp/mm</i>	70% (CsI)
<i>AD conversion</i>	16 bit
<i>Greyscale values</i>	16 bit (65.536)
<i>Preview image after exposure</i>	< 3 s (wired) / < 5 s (wireless)
<i>Processed image available</i>	< 6 s (wired) / < 9 s (wireless)
<i>Cycle time</i>	9 s - 12 s
<i>AED (Automatic Exposure Detection)</i>	Yes
<i>Receptor type</i>	amorphous silicon with TFT
<i>Temperature range operation / storage</i>	5 °C - 30°C / -10 °C - +40 °C
<i>Humidity operation / storage</i>	30% – 75% / 10% – 90%
<i>Interface</i>	Gigabit Ethernet
<i>Power supply battery charger</i>	110 - 240 V, 50 - 60 Hz
<i>Weight</i>	4.6 kg incl. battery
<i>Max. uniform load capacity</i>	240 kg
<i>Max. load on area 40 mm in diameter</i>	135 kg
<i>retractable handle</i>	included
<i>Enclosure</i>	optional
<i>Corner protectors</i>	included

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