Digital Imaging

RAPIXX 4343M1i WiFi

RAPIXX 4343V1i WiFi

Abb.: DR Detektor RAPIXX 4343M1i WiFi
DR Detektor RAPIXX 4343V1i WiFi
Fig.: DR detector RAPIXX 4343M1i WiFi
DR detector RAPIXX 4343V1i WiFi

C E 0297 DQS MED DQS MED made in Germany

Product Features

PROTEC DR-system complete set

The RAPIXX DR system complete set with portable detector in cassette format includes the CONAXX 2 DR software. Generator triggering is not necessary due to automatic exposure detection of the flat panel detector. The RAPIXX 4343M1i WiFi and RAPIXX 4343V1i WiFi set includes two batteries and a battery charger.

Excellent image quality within seconds

Due to its 16 bit dynamic range and high DQE, the RAPIXX 4343 WiFi DR system 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 4343M1i WiFi / RAPIXX 4343V1i WiFi detector is always close at hand. The RAPIXX 4343M1i WiFi / RAPIXX 4343V1i WiFi 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 100 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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Technical Product Specifications

Scintillator	CsI (M1i)
Pixel size	139 µm
Resolution	3.6 lp/mm
Cassette dimensions	460 x 460 x 15 mm For ISO 4090 compliant Buckys
Active area	427 x 427 mm 3072 x 3072 pixels
Energy voltage range standard	40 – 150 kV
Number of batteries in standard delivery conditions	2
Battery operating time	up to 7 h, depending on usage and settings
Battery charging time	2.5 h
Battery capacity	4180 mAh
Wireless connection	Wi-Fi (IEEE802.11a/b/g/n/ac)
Wireless Frequency	2.4 GHz / 5 GHz
Additional Access Point	Not needed (optional)
Splash protection class	IPX1
DQE @ 0 lp/mm (RQA5)	66% (CsI)
MTF @ 1 lp/mm	70% (CsI)
AD conversion	16 bit
Greyscale values	16 bit (65.536)
Preview image after exposure	< 3 s (wired) / < 5 s (wireless)
Processed image available	< 6 s (wired) / < 9 s (wireless)
Cycle time	7 s - 12 s
AED (Automatic Exposure Detection)	Yes
Receptor type	amorphous silicon with TFT
Temperature range operation / storage	5 °C - 30°C /-10 °C - +40 °C
Humidity operation / storage	30% – 75% / 10% – 90%
Interface	Gigabit Ethernet
Power supply battery charger	110 - 240 V, 50 - 60 Hz
Weight	4.6 kg incl. battery
Max. uniform load capacity	100 kg
Max. load on area 40 mm in diameter	100 kg
retractable handle	included
Enclosure	optional
Corner protectors	included