DR 10s

CASSETTE-SIZED DIGITAL DETECTOR

- The easiest and most versatile way to go Direct Digital
- Lightweight, small, high resolution detector offers optimal convenience and portability: as well as with easier cleaning and disinfection
- Compact 10 x 12-inch detector fits into an incubator bucky tray, making it a convenient solution for pediatric imaging, and also for extremities and special examinations
- The Detector is fully integrated in our DR solution family, directly synchronised with the generator
- Full field Automatic Exposure Detection (AED) area allows seamless use with virtually all X-ray systems and maximizing the use of the existing X-ray equipment
- High DQE and optimal pixel size, for low dose examinations
- Improved workflow and examination speed
- Extremely long battery autonomy of up to 8 hours
- Excellent connectivity with DICOM compatible software and imagers
- MUSICA processing for excellent contrast detail and exam-independent, consistent image quality

The DR 10s cassette-sized Digital offers a compact, light-weight and ergonomic way for radiography facilities to benefit from high quality digital imaging using virtually any x-ray equipment.

Full Field Automatic Exposure Detection (AED)

For both conventional and mobile digital X-ray systems, the lightweight, small yet robust DR 10s Digital Detector offers general radiography facilities all the advantages of Direct Digital, maximizing the use of their existing equipment.

The full field Automatic Exposure Detection (AED) means no electrical connection to the X-ray system is required, for seamless use with virtually all X-ray systems. With its 10 x 12-inch size, the DR 10s can fit into an incubator bucky tray, making it a convenient solution for imaging of infants.

The convenient size also makes the DR 10s ideal for pediatrics, extremities and special examinations. The wireless technology and lighter weight enhance operator comfort, and improve exam flexibility and convenience, even in challenging imaging situations.

The modern design of the detector combines ergonomics with aesthetics, and the sides are sealed to prevent liquid from getting in, making cleaning and disinfection easier.

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Fast and more efficient workflow

The DR 10s is fully integrated in our DR Rooms and Mobile DR solutions and can be shared amongst them via a simple Infra-Red connection, optimizing usage while minimizing investment.

These cassette-less and filmless solutions provide a range of workflow benefits that improve productivity and speed up exam time. Retakes can be made faster without changing cassette, and the number of images is no longer limited by the availability of cassettes. To complete the workflow, images can be sent faster to a PACS or imager in DICOM format. With the extremely long battery autonomy of up to 8 hours and mixed battery usage between the DR 10s and DR 14s, maximum efficiency is achieved. Infrared technology allows detectors to be shared between multiple rooms and mobile units, optimizing usage while minimizing investment.

MUSICA and DR image quality: improved diagnostic confidence

The DR 10s is compatible with our 'gold standard' MUSICA image processing, which has been specially adapted and tuned to further enhance the excellent DR image quality. Exam-independent, it delivers consistent image quality and high contrast detail. Combining MUSICA with the high quality of the DR 10s, in terms of both sensitivity and sharpness, provides improved diagnostic confidence and efficiency. The DR 10s offers a high Detective Quantum Efficiency (DQE), while optimum pixel size supports lower radiation dose for patients.

Services & Support

Agfa HealthCare offers service agreement solutions tailored to the customer's situation. Available in Basic, Comfort and Advanced levels, they make your lifecycle costs predictable. A worldwide team of some 1,000 service professionals can provide support at all phases of your project, and even help customize your examination tree or link RIS protocol codes, further improving your return on investment. This team goes well beyond maintenance support, offering value-added services such as super user training, staff training and software upgrades. Both extended warranty and drop insurance options are available.

Technical Specifications

DETECTOR

- Detector type: Amorphous Silicon with TFT
- Conversion screen: CsI (Cesium Iodide)
- Pixel pitch: 148 µm
- Active pixel matrix: 1920 x 1560 pixels
- Active area size: 300 mm x 240 mm
- Effective pixel matrix: 1920 x 1500 pxl
- Grayscale: 16 bit
- Spatial Resolution: Min. 3.37 lp/mm
- Outer dimensions: ISO 4090 Cassette size; 327.5 x 267.5 x 15.6 mm
- Weight: 1.6 kg including battery
- Energy Range Standard: 40 – 150 kVp

Environmental Requirements Operation

- Temperature: +10 ~ +35° C
- Humidity: 20 ~ 80% RH
- Atmospheric pressure: 700 ~ 1100 mbar
- Shock: 10 g
- Vibration: 2 g
- Drop limits: Max. 700 mm

Storage and transportation

- Temperature: -10 ~ +55° C)
- Humidity: 5 ~ 95% Rh
- Atmospheric pressure: 500 ~ 1100 mbar
- Shock: 25 g
- Vibration: 2 g
- Drop limits: Max. 1200 mm

WIFI

- Wireless connection: IEEE 802.11a/b/g/n (2,4 GHz/5GHz)
- Wireless signal range: maximum 6 m

BATTERY

- Type: Rechargeable Lithium ion battery
- Dimensions: Length x Width x Height 250 mm x 75 mm x 6 mm
- Weight: 228 g
- Battery output: Output Voltage: DC +7.4 V
- Capacity: 3.68 Ah
- Lifecycle: Expected lifetime: 1 year

BATTERY CHARGER

- Type: Lithium ion battery charger
- Charging time: 4 hours
- Simultaneous charging: 3 batteries
- Dimensions: Width x Height x Depth 320 mm x 50 mm x 170 mm
- Weight: 1065 g
- Electrical connection: 12 Vdc, 5 A max

About Agfa HealthCare

Agfa HealthCare is a leading provider of diagnostic imaging and healthcare IT solutions for hospitals and care centers around the world. The business group is a major player on the diagnostic imaging market, providing analog and digital technology, as well as IT solutions to meet the needs of specialized clinicians. The business group is also a key provider on the healthcare information solutions market, integrating the administrative, financial and clinical workflows of individual hospitals and hospital groups. ■

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Published by Agfa HealthCare NV
B-2640 Mortsel - Belgium

58OSP GB 00201609

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