plh Medical Ltd
Imaging Imagination

DR 14e

14X17-INCH CASSETTE-SIZED DIGITAL AED DETECTOR

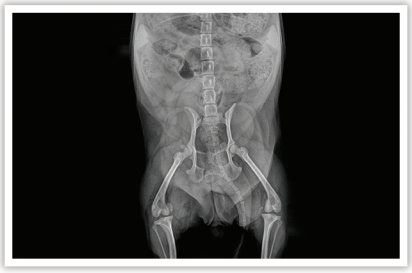
The DR 14e cassette-sized Digital Detector with Automatic Exposure Detection (AED) offers a compact, versatile and ergonomic solution for fast, high quality digital imaging, even in challenging imaging situations.

- The easiest and most versatile way to go Direct Digital
- Wireless, high resolution full-field AED detector works with virtually any conventional or mobile X-ray equipment, maximising the use of existing X-ray equipment
- Convenient 14x17-inch size and light weight provide optimal convenience and portability, for all Genrad examinations
- Fewer retakes improves the delivery of patient care and comfort
- Easier patient positioning enhances workflow
- High DQE and optimal pixel size support lower patient radiation dose
- Cassette-less solution improves workflow and examination speed
- Ergonomic design is easy to clean and disinfect Excellent connectivity with DICOM-compatible software and imagers enables fast sending of images
- MUSICA processing offers excellent contrast detail and exam-independent, consistent image quality
- Comes with Cesium Iodide (CsI) detector scintillator

"Instant DR" that maximizes existing equipment

Lightweight yet robust, the DR 14e Digital Detector offers general radiography facilities all the advantages of Direct Digital, while maximising the use of their existing equipment.

The full-field Automatic Exposure Detection (AED) detector requires no electrical connection to the X-ray system, for seamless use with virtually all conventional and mobile digital X-ray systems. This allows the veterinary practice to maximise its existing X-ray equipment investments.



The light weight of the Rib Magnesium Alloy frame and the wireless technology enhance the operator's comfort and improve exam flexibility, in a robust, aesthetically pleasing design. With its convenient 14x17-inch size, the DR 14e is ideal for all Genrad examinations.

Faster and more efficient workflow

The DR 14e is an integral part of an Agfa Instant DR solution, which includes the NX image acquisition software with MUSICA processing and detector. These cassette-less, digital solutions provide a range of workflow benefits that improve productivity and speed up exam time. Retakes can be made more quickly 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 more quickly to a PACS or imager in DICOM format. This faster workflow improves the delivery of patient care and comfort.

MUSICA and DR image quality: improved diagnostic confidence

The DR 14e 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 14e, in terms of both sensitivity and sharpness, provides improved diagnostic confidence and efficiency. The DR 14e offers a high Detective Quantum Efficiency (DQE), while optimum pixel size supports lower radiation dose for patients.

Services & Support

PLH Medical offer a wide range of Service Plans from Bronze through to Platinum. These peace of mind plans are designed to support your practice requirements with telephone and remote support available now up to 24 hours per day including Bank Holidays. Our NEW affordable payment plans easily spread the cost each month. Our expanded fleet of qualified service engineers are available UK wide to carry out routine annual services plus attend urgent breakdown visits to site.

Call today to learn more about our commitment to support you and your team.

"14X17-INCH, LIGHT WEIGHT, WIRELESS HIGH RESOLUTION FULL FIELD DETECTOR"

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TECHNICAL SPECIFICATIONS

DETECTOR

Detector type: Amorphous Silicon with TFT
Conversion screen: CsI (Cesium Iodide)
Pixel pitch: 150 µm
Active pixel matrix: 2336 x 2836 pixels
Active area size: 430 mm x 350 mm
Effective pixel matrix: 2336 x 2836 pxl
Grayscale: 16 bit
Spatial Resolution: Min. 3.36 lp/mm
Outer dimensions: ISO 4090 Cassette size; 384 x 460 x 15 mm
Weight: 2.95 kg including battery
Energy Range Standard: 40 – 150 kVp

ENVIRONMENTAL REQUIREMENTS

Operation
Temperature: +15 ~ +35° C
Humidity: 15 ~ 80% RH
Atmospheric pressure: 700 ~ 1060 hPa
Shock: 150 G
Vibration: 0.2 G
Drop limits: Max. 1200 mm

Storage and transportation
Temperature: -30 ~ +50° C
Humidity: 10 ~ 90% Rh
Atmospheric pressure: 700 ~ 1060 mbar
Shock: 4,8 Km/h
Vibration: 6,9 m/s²
Drop limits: Max. 910 mm (without palette)

Battery
Type: Rechargeable Lithium ion battery
Battery in operation state: 3 hours; > 700 images
Weight: 230 g
Battery output: Output Voltage DC +7.4 V
Capacity: 3200 mAh

Battery charger
Type: Lithium ion battery charger
Operation temperature: 0°C – 35°C
Simultaneous charging: 2 batteries
Dimensions: Width x Height x Depth 92.5 x 259 x 56 mm
Weight: 600 g
Electrical connection: 16V, DC/6.5A
AC adaptor Rating Input: 100 – 240 V, AC/1.5A, 50 – 60 Hz

Wi-Fi
Wireless connection: IEEE 802. 11n (2.4/5.2/5.3/5.6/5.8GHz)

POWER BOX

(for wired connection mode)
Power Supply Conditions
Rated Voltage: 100 – 240 V
Input Current: 2 – 0.84 A
Frequency: 50 – 60 Hz

Environmental Conditions
Operating Temperature (°C): 15~35
Humidity (%Rh): 15~80
Pressure (hPa): 700~1060
Non-operating Temperature (°C): 5~35
Humidity (%Rh): 10~80
Pressure (hPa): 700~1060
Storage Temperature (°C): -30~50
Humidity (%Rh): 10~90
Pressure (hPa): 700~1060

Cable
Length: 10m
RJ45 connector

AGFA HealthCare

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