

cuattro^{DR}

wireless



AED Auto Exposure Detection

Digital Radiography 14 x 17" Wireless HD AED Detector



Generation II

Experts said that making a High Definition (HD) wireless detector that surpasses the image quality and performance of other Standard Definition (SD) wireless detectors might be impossible. Our engineers in Germany and the United States disagreed... so in 2015 they went ahead and did it. The result was the first 100 micron, 16 bit grayscale, direct deposition Cesium Scintillator detector available for general radiology applications. Two years later the competition is still trying to catch up... and Cuattro is surging ahead again. Introducing the SECOND GENERATION CUATTRO ULTRA-HD 14" x 17" wireless detector. This new 2nd generation 100 micron wireless detector is the absolute latest in the art of digital radiography, offering all the industry leading features (still!) released in 2015, while also incorporating major new technological advancements. Nearly two pounds lighter than Generation 1, at 6.8 lbs. Scalloped edges allowing for simple and secure pickup from tray and tabletop. New longer battery life as well as in Bucky charging (manufacturer dependent). Significantly enhanced durability with IPX4 rated moisture resistance. Better. Much better.

Cuattro's exciting new Total Cost of Ownership (TCO) package offers three or five years of detector drop and warranty and support coverages in one low cost package. This includes 24/7/365 support, free software updates and upgrades, overnight hardware loaner program, detector drop protection coverage and our 99% uptime guarantee.

- Automatic Exposure Detection (AED) allows for 30 minute install
- Best in Class Spatial Resolution (5.0 Cycles/mm)
- Up to 80% Higher Dose Quantum Efficiency (DQE) than Standard Definition Panels
- Full Size Preview Images in 2 seconds.
- Cassette-sized. Use across multiple rooms and mobile generators
- Super-stable wireless connection with working distances up to 100'
- Total Cost of Ownership (TCO) packages for three or five years
- Three batteries included with double charger and optional Bucky charging (manufacturer dependent)
- 6.8 lbs (nearly 2 pounds lighter than Generation 1)
- Enhanced durability with IPX4 moisture resistant rating



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14x17" Wireless HD GEN II Detector Specifications:

Sensor

- Panel: Single substrate amorphous silicon active TFT/diode array
- Scintillator: Direct deposition CsI:Tl
- Pixel Matrix: 3556 × 4320
- Pixel Pitch: 100 μm

Mechanical

- Size: ISO 4090 for 35 cm × 43 cm (14" × 17") cassette size
- Active Area: True 355 mm × 432 mm
- External Dimensions: 384 mm (w) × 460 mm (l) × 15 mm (h)
- Weight: 3.1 kg (6.8 lbs)
- Housing: Carbon-fiber front & back

Imaging Performance

- Limiting Resolution: 5 cy/mm
- Typical DQE: 75% (0 cy/mm), 60% (1 cy/mm), 40% (3 cy/mm) for RQA5

Battery charger and high-capacity Battery:

- Lithium-polymer battery
- 2 hour full recharge
- 5 hour battery operation
- Three batteries included
- Additional batteries optional

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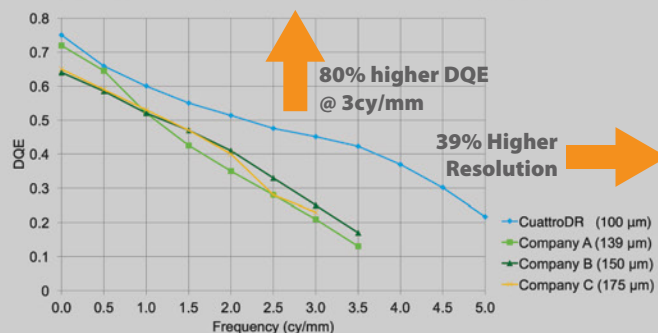
A whole new category of Digital Radiography...

High Definition (HD) CuattroDR Digital Radiography is now available exclusively from Cuattro. CuattroDR HD delivers detail, resolution, and contrast image quality that is visibly better... much better... than Standard Definition systems.

References:

- Development and Evaluation of 2D & 3D Image Quality Metrics, S.N Murphy, Duke U, 2011
- Fujifilm FDR D-EVO product note
- Konica Minolta technology report vol. 8, 2011 & AeroDR product note

Excellent DQE – Reduced X-ray exposure



HD Minimum Standards:

- Direct Deposition Cesium
- 100 micron pixel size
- HD pixel density. 15 Million
- Full Size Image Area
- Resolution of at least 5 lp/mm
- 16 Bit A/D 16 Bit Grayscale Native
- 16 Bit Multi-Frequency Tuning



CuattroDR™ HD Added Benefits:

- AED - Auto Exposure Detection
- Cassette Sized Form Factor
- Windows 8.1 Embedded - 64 bit OS
- Multi-Touch User Interface
- Universal PACS Connectivity
- 3 or 5 yr Total Cost of Ownership Protection
- Software Upgrades and Updates
- 24/7 Live Technical Support

A Smarter direction in Digital Radiography... Better. Much better.

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