



KONICA MINOLTA

PRIMARY IMAGING SOLUTIONS

Konica Minolta. Right Solutions. Right Time.

AeroDR

AeroDR XE

Simple, reliable, robust wireless DR for the most extreme environments

A simple, reliable and robust solution for ER/Trauma, ICU/CCU, and other portable applications.

Easy to use, stable, and powerful imaging solutions are paramount when examining acutely ill patients in demanding environments, such as ER/Trauma rooms, ICU/CCU units, or at the bedside. You can depend on the lightweight and versatile AeroDR XE for all your portable X-ray exams. With the best weight to load ratio, bend resistance and liquid resistance in the market^{1,2}, AeroDR XE is built to last so you can image patients worry free.

- *Simple to operate, clinical confidence and patient safety is achieved with high quality, dose efficient imaging*
- *Reliable to give you peace of mind with versatile, high quality imaging and the longest usage time of any wireless flat panel in the market*
- *Robust to preserve your imaging investment and build economic value with the most durable, resilient panel*



Simple

You need quick and accurate information for your most acutely ill patients in the ER/Trauma and ICU/CCU environments. With AeroDR XE you get exams faster with image preview in one second and fully processed images in as little as six seconds. Plus, the panel is compatible with most X-ray devices with the AeroSYNC automatic exposure detection. The panel is easier to position with handy grip strips and the simplest panel to carry because of its lightweight 5.7 lbs design.

Giving Shape to Ideas

Reliable

Avoid unplanned downtime and achieve greater productivity with the reliable AeroDR XE. Our lithium ion capacitor extends the panel's life to last an entire shift up to 8.2 hours or 300 images^{3,4,5}. New panel drop sensors and monitoring provides ongoing data on panel handling, so you can avoid catastrophic failures, reduce repair costs and gain peace of mind. With the Aero Remote, you can even perform initial diagnostic checks without calling for support. Plus, as the lightest panel on the market at 5.7 lbs, the AeroDR XE is easier to handle with convenient grip strips.

Robust

Portable imaging in demanding environments can take its toll on wireless flat panels. The AeroDR XE is designed to withstand the bends, bumps, drops, loads and liquids found in ER/Trauma rooms, ICU/CCU units, or at the patient's bedside. Featuring a weight to load ratio — up to 661 lbs — and the highest bend and liquid resistance on the market², AeroDR XE is built to withstand use in the most extreme environments. Completely sealed with no external battery, AeroDR XE can be wiped clean with approved cleaners after each use to fulfill your hospital's infection prevention protocols.

Konica Minolta's AeroDR XE for extreme environments is designed to provide unparalleled reliability and high capacity to help maximize patient outcomes, productivity and return on investment. A simple yet powerful software interface generates high quality images with less stress to the detector. AeroDR XE is a simple, reliable and robust solution that is built to last.

Added Value

- Longest usage time: 8.2 hrs of continuous use
- The flexibility and strength to hold up to 661 lbs on a bed
- Liquid resistance, easy to clean and disinfect
- Dose efficient
- One second preview, six second cycle time
- Power, speed and simplicity of operation ideal for ER/Trauma rooms, ICU/CCU units, or at the bedside
- Lightest panel on the market at 5.7 lbs
- Simple and reliable for primary imaging



14" x 17"

1: Static loads have no effect on images and detector even when applied directly. The measurement method based on Konica Minolta's standards. The maximum patient weight performance of this product does not guarantee that product damage or failure will not occur.

2: The product may fail to maintain its waterproof performance (equivalent to IPX6) if it has been dropped. The waterproof performance of this product does not guarantee that product damage or failure will not occur.

3: The performance may vary depending on component configurations and usage environments. The performance described here is obtained during exposures with an X-ray generator.

4: Three exposures per examination; in a five-minute cycle examination (with the positioning time assumed of 20 seconds); exposures with an X-ray generator.

5: The performance described here is expected when fully charged. The performance level may fluctuate depending on the usage environment and frequency of use (the ability to always obtain the performance described here is not guaranteed).

- The information, specifications, and product appearance contained herein are subject to change without notice.
- The company names and product names contained herein are trademarks or registered trademarks of their respective owners.





KONICA MINOLTA

PRIMARY IMAGING SOLUTIONS

Konica Minolta. Right Solutions. Right Time.

AeroDR 14x17 XE: Cassette-type wireless flat panel detector (FPD).

AeroDR XE for Extreme Environments is Konica Minolta's solution for healthcare providers that image patients outside of the radiology department under extreme physical and environmental conditions like ER/Trauma, ICU/CCU and at the patient bedside (Portables).

Specifications

Product type	Cassette-type wireless flat panel detector
Detection method	Indirect conversion method
Automatic X-ray detection	AeroSync
Scintillator (fluorescent substance)	CsI (Cesium iodide)
Detection Quantum Efficiency (DQE)	66% @0.0 cyc/mm
Pixel size	175 µm
A/D conversion	16 bit (65,536 gradients)
Dynamic range	4 digits
External dimensions	383.7 (W) x 460.2 (D) x 15.9 mm (H) (equivalent to a 14x17 inch cassette)
Image area size	348.95 x 425.25 mm (1994 x 2430 pixels)
Weight	2.6 kg / 5.7 lbs.
Maximum patient weight ¹	Point load: 150kg@40mm Face load: 300kg@effective image area overall To improve drop impact resistance, Konica Minolta increased the rigidity and shock absorption capabilities of the corners, which are particularly likely to be subject to impact. For situations where the detector is placed directly under the patient, sitting on a bed, Konica Minolta increased the product's resistance to applied bending forces to withstand approximately twice as much load as AeroDR 14x17 HQ or ST
Waterproof performance ²	IPX6
Communication	Dedicated wired Ethernet connection/ Wireless LAN (IEEE802.11a/n compliant) 5.0GHz/2.4GHz
Preview display time	Less than 2 seconds
Exposure interval (cycle time) ³	Approx. 4 seconds (wired connection) Approx. 6 seconds (wireless connection)
Battery type/expected lifetime	Lithium-ion capacitor (built-in)/equivalent to the Detector service life
Battery charging time empty to full	Within 30 minutes
Number of exposable images when the battery is fully charged ⁴	300 images/8.2 hours (Three exposures per examination in a five-minute cycle examination; when exposing with an X-ray generator)
Standby time after the battery is fully charged ⁵	Approx. 20 hours

1: Static load that has no effect on images and the Detector even when it is applied to the Detector. The measurement method based on Konica Minolta's standards. The maximum patient weight performance of this product does not guarantee that product damage or failure will not occur.

2: The product may fail to maintain its waterproof performance (equivalent to IPX6) if it has been dropped. The waterproof performance of this product does not guarantee that product damage or failure will not occur.

3: The performance may vary depending on component configurations and usage environments. The performance described here is obtained during exposures with an X-ray generator.

4: Three exposures per examination; in a five-minute cycle examination (with the positioning time assumed of 20 seconds); exposures with an X-ray generator

5: The performance described here is obtained when the battery is fully charged. The performance level may fluctuate depending on the usage environment and frequency of use (the ability to always obtain the performance described here is not guaranteed).

- The information, specifications, and product appearance contained herein are subject to change without notice.
- The company names and product names contained herein are trademarks or registered trademarks of their respective owners.