



KONICA MINOLTA

# PRIMARY IMAGING SOLUTIONS

*Konica Minolta. Right Solutions. Right Time.*

## AeroDR

### AeroDR LT

*Versatile, durable and reliable wireless DR for general radiography*

**The versatile performance of AeroDR ST with the construction of the industry acclaimed AeroDR XE**

*A wireless flat panel digital detector designed for general radiography must deliver more than a high quality image.*

*Konica Minolta's AeroDR LT provides unparalleled flexibility in a durable, water resistant enclosure for a reliable high capacity to help maximize patient outcomes, productivity and return on investment in general radiology applications. With the best weight to load ratio, bend resistance and liquid resistance in its class <sup>1,2</sup>, AeroDR LT is built to last so you can image patients worry free.*

- *Versatile to be used and shared with most X-ray devices in the hospital with and without a connection to the generator*
- *Durable to preserve your imaging investment and build economic value*
- *Reliable to give you peace of mind with high quality imaging and the shortest charge time in its class*



### Versatile

With AeroDR LT exams can be performed faster with image preview in one second and fully processed images in as little as six seconds. It is compatible with most X-ray devices with the AeroSync automatic exposure detection. Roaming capabilities allow AeroDR LT to be used and shared between fixed and portable X-ray devices. Handy grip strips make the panel easier to position and its lightweight 5.5 lbs. design makes this FPD simple to handle.

**Giving Shape to Ideas**

## Durable

Primary Imaging can take its toll on wireless flat panels. The AeroDR LT is designed to withstand the 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 in its class, AeroDR LT is built to withstand continued use in most environments. Completely sealed with no external battery, AeroDR LT can be wiped clean with approved cleaners after each use to fulfill your hospital's infection prevention protocols.

## Reliable

Avoid unplanned downtime and achieve greater productivity with the reliable AeroDR LT. Our lithium ion capacitor charges in 13 minutes to provide 4.1 hours or 150 images<sup>3,4,5</sup>. Built-in panel drop sensors and monitoring provide ongoing data on panel handling, so you can avoid catastrophic failures, reduce repair costs and gain peace of mind. With Aero Remote, you can even perform initial diagnostic checks without calling for support. In addition, as the lightest panel in its class at 5.5 lbs. and with convenient grip strips, the AeroDR LT is easier to handle.

*Konica Minolta's AeroDR LT is designed to provide versatile, durable and reliable imaging to improve patient outcomes, productivity and return on investment.*

## Added Value

- Shorter charge time: 13-minute charge for 4.1 hrs. of use
- AeroSync – Automatic Exposure Detection
- The flexibility and strength to hold up to 661 lbs. on a bed
- Liquid resistance, IPX6 compliant
- Grip sheets to aid handling
- One second preview, six second cycle time
- Power, speed and simplicity of operation ideal for general radiography
- Lightest panel in its class: 5.5 lbs. including built in power capacitor
- Simple and reliable for Primary Imaging



14"x17"

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.





# AeroDR System 2 Specifications

## Wireless Digital radiography System AeroDR 2

Product name (model name)	AeroDR P-52 (AeroDR 2 1417S)
Detection method	Indirect conversion method
Scintillator	CsI (Cesium Iodide)
External dimensions (W×D×H)	383.7×460.2×15.9mm (15.0×17.9×0.6 inch)
Weight	2.5kg (5.5lb)
Pixel size	175μm
Image area size	348.95×425.25mm (13.6×16.6 inch) (1,994×2430 pixels)
AD conversion	16 bit (65,536 gradients)
Usable grid frequency	40lp/cm, 34lp/cm
Durability *4	Point load: 150kg @ ϕ 40mm Face load: 300kg @ effective image area overall
Water resistance *5	IPX6
Communication	Dedicated wired ethernet connection/ Wireless LAN (IEEE802.11a/IEEE802.11n compliant)
W-LAN encryption	Wireless encryption method: AES / Authentication method: WPA2-PSK
Cycle time *6	Approx. 4 seconds with dedicated wired connection Approx. 6 seconds with wireless LAN connection
Operating time *6,7	150 images/ 4.1 hours
Battery charging time empty to full	Within 13 minutes (When using the AeroDR Battery Charger2, AeroDR Interface Cable2)
Battery duration in standby status *8	10 hours
Battery expected life time	Same as the AeroDR panel life time
Recommended storage and usage environment condition	When operating : (Temperature) 10 to 30°C (30 to 86°F) (Humidity) 35 to 80% RH (ensure no water condensation) (Atmospheric pressure) 700 to 1060 hPa  When not operating: (Temperature) -10 to 40°C (14 to 104°F) (Humidity) 20 to 90% RH (ensure no water condensation) (Atmospheric pressure) 700 to 1060 hPa  In storage / transport : (Temperature) -20 to 50°C (-4 to 122°F) (Humidity) 20 to 90% RH (ensure no water condensation) (Atmospheric pressure) 700 to 1060 hPa  * However, performance warranty period when storing at 50°C is 6 months after packing.



About tested values listed above, methods to measure are followed by the standard of Konica Minolta.  
\*4 Dead loading does not give affection to processed image or panel. Robustness against loading of AeroDR 2 1417S is not to provide any guarantees not to be damaged, not to be broken. \*5 When a shock such as drop or hit on the floor is loaded on AeroDR 2 1417S, water resistance performance (Value as IPX6) may be lost. And the water resistance performance of AeroDR 2 1417S is not to provide any guarantees about perfect water resistance, not to be damaged, not to be broken. \*6 Specification may vary depending on system configuration or environment. The specification described above is under the condition that AeroDR SYSTEM 2 is connected to X-ray generator. \*7 The specification is based on the condition that 3 exposures within one study and interval time between studies is 5 minutes. It takes 20 seconds for positioning. Under the condition that AeroDR SYSTEM 2 has linkage with X-ray generator. When connected to CS-7 image processing workstation. \*8 The specification described above is based on full battery charge and may vary depending on system configuration or environment.

## AeroDR Battery charger 2

Power	AC 100 / 110 / 115 / 120 / 200 / 220 / 230 / 240 V ± 10% Single Phase 50 / 60 Hz
Weight	7.2kg (15.9lb)
External dimensions (W×D×H)	560×250×153mm (22.0×9.8×6.0 inch)



## AeroDR Battery charging Unit

Power requirements	AC 100 / 110 / 115 / 120 / 200 / 220 / 230 / 240V ± 10% Single phase 50/60Hz (When dedicated AC adaptor is used)
Power consumption	Approx. 168 VA (100 to 240V)
Weight	0.38kg (0.8lb)
External dimensions (W×D×H)	90×125×30mm (3.5×4.9×1.2 inch)
AeroDR BC Unit AC Adapter Specifications	Product Name : AC Adapter (Model Number. Cincon Electronics Co.,Ltd. TR60M48) Dimensions : 132.0×58.0×30.5mm (5.2×2.3×1.2 inch) INPUT : AC 100-240 V 1.5-0.7A 47-63Hz OUTPUT : DC 48 V 1.25 A



## AeroDR I/F cable2

Cable length	1m
External dimensions (W×D×H)	79×42×14mm (3.1×1.6×0.5 inch)

## Control Station CS-7

Image Processing	Automatic Gradation Processing (G Processing), Frequency Processing (F Processing), Equalization Processing (E Processing), Hybrid Processing (H Processing), Hybrid Smoth Processing (HS Processing)
Image Output	Host : Up to 4 channels / Printer : Up to 2 channels
DICOM Support	Basic Greyscale Print management (SCU), Storage(SCU), Modality Worklist management Modality Performed Procedure Step, Greyscale Standard Display Function (print output)
CR/DR Connections	AeroDR: Up to 4 simultaneous active detectors REGIUS 110, 110HQ*, 190, 210: Up to 15 units REGIUS Sigma: One unit  * It is not available to connect in USA
Main Options	Bar-code Reader for REGIUS Cassette Registration, In-room Sub Monitor
Hardware options	DICOM MWM / MPPS / DETACHED, FTP, DICOM Storage Output, DICOM Print, Media Storage and others.
Software options	Please contact your Konica Minolta sales representative for more details.

