



KONICA MINOLTA

AeroDR

17x17 inch flat panel detector

Konica Minolta introduces the newest member of the AeroDR family, a wireless cassette 17x17 inch flat panel detector (FPD), that delivers wide view range.

World's Lightest 17" x 17" Wireless FPD*

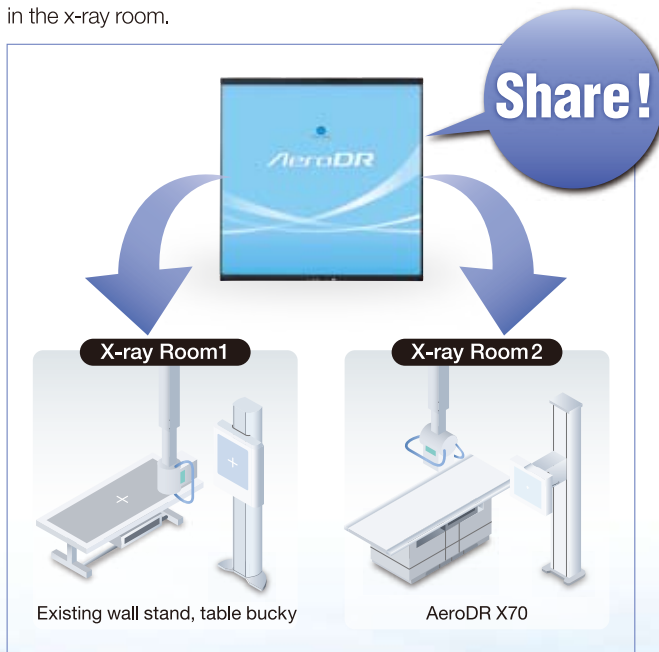
The most lightweight (3.6Kg) 17"x17" panel, despite being cassette size and wireless.



* as of September 2013

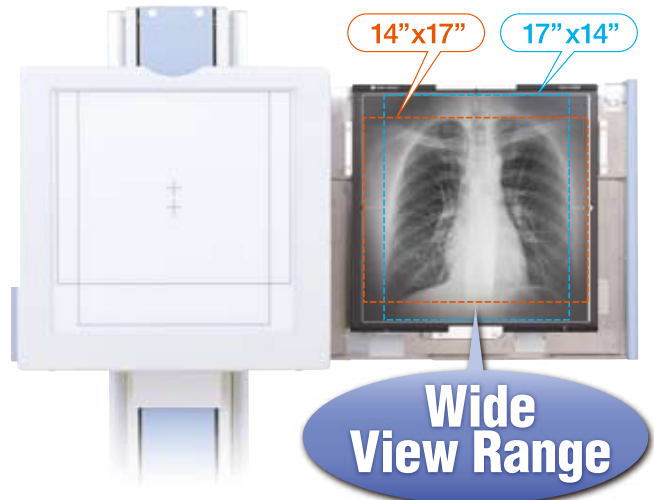
Shared FPD Solution

Like the 14" x 17", the 17" x 17" panel is cassette sized and fits into the existing bucky tray or cassette holder. The panel can be carried around and shared among X-ray rooms. Moreover the 17" x 17" panel is a wireless cassette FPD, which enables wall stand, table and free cassette-based exams to be performed with one panel in the x-ray room.



The 17"x17" FPD Provides Increased Image Area

There is no need to rotate the panel from portrait to landscape and vice versa in the bucky tray depending on a patient's size when performing chest or abdominal x-ray procedures. The larger image area allows more anatomy to be imaged, thereby reducing positioning errors.



Trickle charge

The AeroDR 17"x17" flat panel detector will fit any existing wall stand or table bucky tray. Due to its unique Li-ion capacitor battery, the AeroDR is the only wireless cassette flat panel detector that provides a worry free trickle charge option via a wired connection allowing the FPD to stay fully charged and ready for wireless use at any moment.



Bucky exams (wired connection)



Wireless cassette

Wireless Digital Radiography System AeroDR

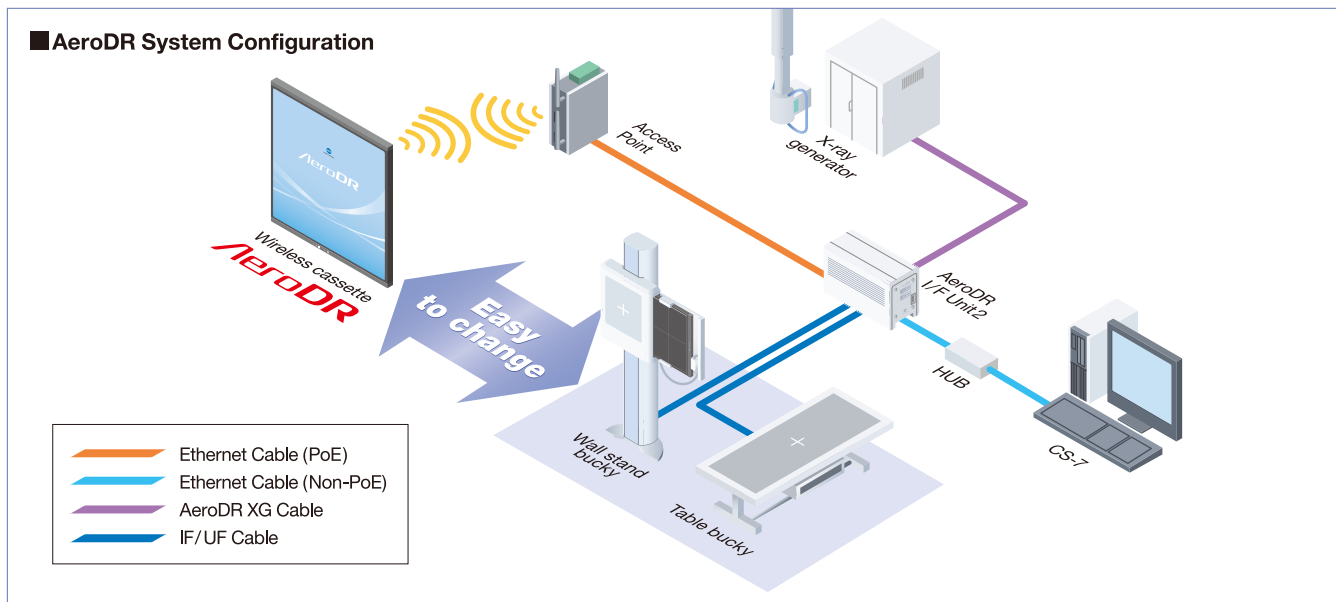
Model name	AeroDR RP-21 (AeroDR 1717HQ)
Detetion method	Indirect conversion method
Scintillator	CsI (Cesium Iodide)
External dimensions (W×D×H)	459.8 × 460.2 × 15.9mm
Weight	3.6kg
Pixel size	175µm
Image area size	424.9 × 424.9 mm (2,428 × 2,428 pixels)
AD conversion	16 bit (65,536 gradients)
Communication	Dedicated wired ethernet connection / Wireless LAN (IEEE 802.11a compliant)
W-LAN encryption	Wireless encryption method : AES / Authentication method : WPA2-PSK
Cycle time*1	Approx. 8 seconds with dedicated wired connection Approx. 14 seconds with wireless LAN connection
Operating time*2	189 images / 5.2 hours *Under conditions that AeroDR system is connected to X-ray system and the interval between studies is five minutes and three images are captured in each study, assuming 20 seconds for each exposure to position a patient.
Battery charging time empty to full	Within 30minutes (When using the AeroDR Battery Charger) Within 60minutes (When using the AeroDR Battery Charger2) Within 60minutes (When using the dedicated wired cable)
Battery duration in standby status*3	Approx. 15 hours
Battery expected life time	Same as the AeroDR panel life time
Recommended storage and usage environment condition	When operating : 10 to 30°C / 35 to 80% RH (ensure not water condensation) When not operating : -10 to 40°C / 20 to 90% RH (ensure not water condensation) In storage / transport : -20 to 50°C* / 20 to 90% RH (ensure no water condensation) *However, performance warranty period when storing at 50°C is 6 months after packing.

*1 Cycle time may be changed according to system configuration and operating condition.

*2 Operating time is all performance after fully charged.

*3 The discribed performance may be changed depending on the environment and frequency of use. (This is not guarantee of performance.)

★ Specifications are subject to change without prior notice.



green products

▪ World's Lightest Weight (including battery)

14"×17": 2.9kg / 17"×17": 3.6kg

▪ Energy Conservation Design: 16hr Stand-by time



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