
Konica Minolta Launches Lightweight "AeroDR Premium"



Konica Minolta Inc. has announced the launch of the "AeroDR PREMIUM", the world's lightest cassette-type digital radiography detector with improved robustness.

With the rapid progress of IT in the field of medical information in recent years, DR*2 detectors that can directly obtain radiography images have been gaining popularity. Since 2011, Konica Minolta has been marketing "AeroDR" wireless cassette-type DR detectors that enable wireless transfer of image data. The products have received high praise from numerous healthcare professionals due to excellent handling derived from their lightweight and robust characteristics, and AeroDR has greater dose efficiency compared to CR.

Konica Minolta has launched the "AeroDR PREMIUM" (14 × 17 inches) that weighs just 2.6kg – making it the world's lightest*1 radiography detector – which features even greater handling ability.

Cassette-type DR detectors such as the "AeroDR" are frequently used to carry out radiography in patients' rooms. Radiographers often have to handle the cassette-type DR detector with one hand, while supporting the patient with the other during exposure. For this reason, a lightweight product is required so that it can be handled with ease. In addition, Konica Minolta has received many other requests for lighter "AeroDR" to reduce the burden on radiographers in a range of situations. To meet these requests, Konica Minolta reviewed the housing and component designs to develop the "AeroDR PREMIUM", which is approximately 10% lighter than conventional "AeroDR 1417HQ" series.

In addition to X-ray rooms where the detectors are most frequently used, Konica Minolta has received more requests for heavy-duty features following the expansion of locations in which the detectors are being used, such as operating rooms, emergency care sites, and disaster areas. To meet these requirements, Konica Minolta has improved the product's resistance to load and drop impact, and has enhanced robustness by creating a waterproof design*5.

Furthermore, the cycle time between exposures has been drastically reduced to approximately half the time required by conventional "AeroDR"1417HQ series. This reduces the time required to carry out the exposure process and thus, reduces the burden on patients. Consequently, the reduced exposure process time reduces the time during which orthopedic patients have to wait for several exposures on the same body part while holding a posture that may cause pain, or the time during which groups of radiography examinees have to wait before they are treated.

Konica Minolta believes that the "AeroDR PREMIUM" will promote use of cassette-type DR detectors, which have greater dose efficiency compared to CR in a greater number of healthcare facilities, and further improve the efficiency of digital image diagnosis.

[Source and image credit: Konica Minolta Medical & Graphic Imaging Europe B.V.](#)

Published on : Tue, 14 Oct 2014