



KONICA MINOLTA

AeroDR PREMIUM



Introducing a new definition of reliability...



Lightweight - Konica Minolta's AeroDR Premium is the world's lightest 14x17 inch Flat Panel Detector and therefore very easy to handle in your daily clinical routine.



Capacitor - With a charging time of only 30 minutes, the AeroDR Premium is completely charged from empty to full. With its unique capacitor technology, there is no loss of charging capacity and there is no need to replace it during the panel lifetime, like you would with e.g. Li-ion batteries.



Speed - Its improved cycle time allows you to do more exams per day and enables you to achieve a quicker diagnosis.



AED - The hybrid detection technology inside the panel has contributed to an even more reliable Automatic Exposure Detection (AED)



Robust - The AeroDR was already known for having the highest possible surface load available in the market (300 kg), making it suitable to be used with all types and sizes of patients.



Waterproof - A special feature of the AeroDR Premium is that it is waterproof (IPX6). This makes the panel very suitable for more extreme environments like trauma departments, ICU and disaster relief operations where the panel is more likely to be exposed to liquids and body fluids. No need to worry about the circumstances, just wipe clean after each use.



Grip - Finally, the AeroDR Premium comes with improved shock resistance and optional grip sheets, for extra security and grip during handling and positioning.

...built to last

Giving Shape to Ideas

Specifications

| | |
|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Product type | Cassette-type wireless flat panel detector |
| Detection method | Indirect conversion method |
| Automatic Exposure Detection (AED) | AeroSync |
| Scintillator (fluorescent substance) | CsI (Cesium Iodide) |
| External dimensions | 383.7 x 460.2 x 15.9 mm (W x D x H) |
| Weight | 2.6 kg |
| Pixel size | 175 µm |
| Image area size | 348.95 x 425.25 mm (1994 x 2430 pixels) |
| A/D conversion | 16 bit (65.536 gradients) |
| Maximum patient weight | Point load: 150 kg @ Ø40 mm, Face load: 300 kg @ effective image area |
| Waterproof | Yes: IPX6 |
| Dynamic range | 4 digits |
| Preview display time | < 2 seconds |
| Exposure interval (cycle time) | Approx. 4 seconds (wired connection) |
| Battery type | Lithium-ion capacitor (built-in) |
| Battery charging time empty to full | Within 30 minutes |
| Number of exposable images when the battery is fully charged | 300 images / 8.2 hours (three exposures per examination in a five-minute cycle examination; when exposing with an X-ray generator) |
| Standby time | Approx. 20 hours |

