KonicaMinolta's next generation wireless FPD
AeroDR 3 1417HD / 1717HD / 1012HQ exceeds
the advantages of our current AeroDR series and incorporates
new features. It is the top-of-the-line model in the AeroDR series.

- High Image Quality
- High Resolution, High DQE, and Lower Radiation Doses
- Lightweight and Robust Structure
- Powerful and Reliable Workflow
  - Rapid cycle time, Selectable pixel size,
  - and Updated AeroSync® automatic exposure detection.

AeroDR 3

**AeroDR 3 1417HD**
- Light weight at 2.4kg (5.3 lb)
- Rapid cycle time of 4s in wireless operation**

**AeroDR 3 1717HD**
- Light weight at 3.2kg (7.0 lb)
- Rapid cycle time of 4s in wireless operation**

**AeroDR 3 1012HQ**
- Light weight at 3.5kg (7.1 lb)
- Rapid cycle time of 4s in wireless operation**

*Specifications may vary depending on system configuration or environment. The performance described above applies for the shape AERO3 (when AERO3 and AERO3 HD are connected to a long distance).*
High Image Quality

High DQE and Lower Doses
KonicaMinolta introduces the thinnest technological advance with the AeroDR 3 high-sensitivity TET panel. The thicker Csl scintillator and new RDK can reduce the electrical noise level by 50% or more. Now we can provide patients and AeroDR users with high detector quantum efficiency (DQE) and half of dose with AeroDR 3 when compared with previously released KonicaMinolta systems.

Thicker CsI Scintillator
The scintillator material is evenly distributed from the bottom to the top of the panel and it is more than 20% thicker than the AeroDR 2 167H16Q panel. This helps provide the high DQE.

Performance of 100μm pixels
The pixels are 100μm across, and this small size helps ensure clear images.
Lightweight and Robust Structure

Super Monoque Housing Structure

KonicaMinolta has developed a new detector design to provide easy handling and high durability.

Sustain IPX6 waterproof compliance even after the panel was dropped from a height of 1.0 m.

The AeroDR 3 panel has passed the drop test for water resistance after dropping it from a height of 1.0 m. The structure of the AeroDR 3 panel does not allow liquids to penetrate or damage the main components.

Enhanced waterproof performance

Waterproof performance has been enhanced by the structure embodied by waterproof packing.

Each AeroDR 3 panel has passed the MIL-STD-810G drop strength test.

MIL-STD-810G defines the drop test for use in evaluating the structural integrity of electronic products. A drop test is designed to determine how well the products withstand force during transportation or movement.

Test landscape

The test involves dropping the panel from a height of 122 cm (48 inches). The test is repeated 26 times, with each drop being from a height of 122 cm (48 inches).

Lead Resistance

The AeroDR 3 panel has undergone a variety of internal tests based on some assumed extreme operating scenarios.

Bend Pressure

The panel resists compression and can withstand pressure from various directions.
Powerful and Reliable Workflow

**Rapid Cycle Time**
The AeroDR SYSTEM 3 can handle large image data and provide short cycle times even though the image data is read at 100 μm pixels.

**High Performance Power Cell**
The AeroDR 3 SYSTEM is powered by two lithium ion capacitors for high performance. The lithium ion capacitors charge from 0% to 100% in 30 min. *1

*1 When using the AeroDR battery (charged or interface on board)

The pixel size is selectable between 100μm or 200μm.
AeroDR 3 users can select a pixel size of 100μm or 200μm before taking an X-ray. This allows users to control the image data size if they need to save storage space. After taking the X-ray, the C5-7 image processing workstations has options to output images to save data space.

**X-ray Radiography Possible without Console**
"AeroStorage" X-ray Radiography in Emergencies, Switch the AeroDR 3 to Aero Storage mode, and perform exposure X-ray without a console.

The number of saved images is 100.

It’s sophisticated functions will enrich your daily examination workflow
New image processing engine “REALISM” × AeroDR 3 1417HD/1717HD/1012HQ

X-ray images to be more stereoscopic and clearer by “REALISM”

- Depict whole image more clearly while also maintaining the contrast
- Optimize the high definition pixel size 100μm of AeroDR 3 series through sharpness enhancing technology
- Control the granularity deterioration with updated HE/HF processing

High sharpness technology which is maximized panel resolution
IR processing (frequency processing of REALISM processing)

Both technology to draw whole image + maintain contrast
IR processing (compression processing of REALISM processing), introducing New LUT
### AeroDR SYSTEM 3 Specifications

<table>
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<th>AeroDR System 3 Specifications</th>
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<tr>
<td><strong>Product name</strong></td>
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<td><strong>Model</strong></td>
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<td><strong>Scan Size</strong></td>
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<td><strong>Weight</strong></td>
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<td><strong>Dimensions</strong></td>
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#### Environmental Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>3417HD</th>
<th>1717HD</th>
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<tr>
<td><strong>Humidity</strong></td>
<td>50% to 95%</td>
<td>40% to 90%</td>
<td>45% to 95%</td>
</tr>
<tr>
<td><strong>Temperature</strong></td>
<td>10°C to 37°C</td>
<td>10°C to 37°C</td>
<td>10°C to 37°C</td>
</tr>
</tbody>
</table>

#### Recommended Storage and Usage Environment Conditions

- **Temperature:** 10°C to 37°C (Humidity: 50% to 95%)
- **Humidity:** 50% to 95%
- **Operating conditions:** 10°C to 37°C (Humidity: 50% to 95%)
- **Storage conditions:** 10°C to 37°C (Humidity: 50% to 95%)
- **Recommended storage and usage environment conditions:** 10°C to 37°C (Humidity: 50% to 95%)

#### Bottom Solution

- One of the key innovations is the ability to install AeroDR systems which can be easily handled and transported. The system can be configured to handle (or no) cassettes. When a simple configuration is available for mobile applications, compact and lightweight systems can be configured to support even the smallest systems. The system is designed to be lightweight and transportable, making it ideal for mobile applications.

#### Portable Solution

- Portable systems are designed to be simple and easy to use, even for smaller operations. They are perfect for mobile applications, and can be configured to support even the smallest systems. The system is designed to be lightweight and transportable, making it ideal for mobile applications.

#### Mobile Solution

- Mobile solutions also have versatile options. The system can be configured to handle (or no) cassettes. The system configuration is very simple and can be configured to support even the smallest systems. The system is designed to be lightweight and transportable, making it ideal for mobile applications.

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*Specifications are subject to change without notice.*
AeroDR SYSTEM 3 Specifications

**AeroDR Battery Charger 1**

- **Power**: AC 110V / 120V / 127V / 220V / 220V / 250V / 50 / 60 Hz
- **External dimensions (W x D x H)**: 472 x 200 x 443 mm (18.6 x 7.87 x 17.5 inches)
- **Weight**: 46 kg (101.4 lbs)

**Power Supply Unit**

- **External dimensions (W x D x H)**: 354 x 160 x 150 mm (13.9 x 6.3 x 5.9 inches)
- **Weight**: 2.5 kg (5.5 lbs)
- **Power requirements**: AC 115 to 240V ± 10% Single phase 50 / 60 Hz
- **LMR interface**: 3 ports

**Detector Interface Unit**

- **External dimensions (W x D x H)**: 160 x 48 x 18 mm (6.3 x 1.9 x 0.7 inches)
- **Weight**: 0.3 kg (0.6 lbs)
- **Power requirements**: DC 4.8 V (When dedicated KF adapter is used)
- **Lines requirements**: DC 4.8 V (When dedicated Power Supply Unit is used)
- **LMR interface**: 3 ports

**Interface Cable 3**

- **Length**: 3 m (9.8 feet)
- **Weight**: 3.3 kg (7.3 lbs)

**AeroDR Generator Interface Unit 12**

- **Power requirements**: AC 100 / 120 / 127 / 220 / 220 / 230 / 240 / 50 V ± 10% Single phase 50 / 60 Hz
- **Power consumption**: Approx. 160 W (160 W x 1 Hz)
- **External dimensions (W x D x H)**: 272 x 152 x 50 mm (10.7 x 5.9 x 2 inches)
- **Weight**: 0.5 kg (1.1 lbs)

**Dedicated AC adapter specifications**

- **Input**: AC 100 / 240 V 50 / 60 Hz
- **Output**: DC 15 V 3 A

**Central Station CS-7**

- **Image processing**: Auto-detection processing, frequency processing, image processing, equalizer processing, filter processing, hybrid processing, all processing, hybrid smoothing processing, PID processing, KRF, RF processing, grid removal processing, automatic exposure recognition, image processing, tube and display image enhancement (optional), intelligent (optional)
- **Image output**: LCRB, JPEG, Internet, 2.5 A
- **Readable devices**: AeroDR detector, RIGAS MODEL, TM, RIGAS MODEL, TM, RIGAS MODEL, TM, RIGAS MODEL, TM, RIGAS MODEL, TM, RIGAS MODEL, TM, RIGAS MODEL, TM

*Specifications are subject to change without prior notice.*