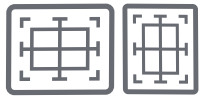


# A Flexible Family of Wireless Detectors

designed to deliver consistent **image quality**, **durable performance**, and **long-term value** across every radiographic environment.



## MULTIPLE SIZES

**17X17, 14X17, 10X12 AVAILABLE**



## HIGH PERFORMANCE OPTIONS

**DETECTOR TECHNOLOGIES FOR DIFFERENT NEEDS**



## STRONG AND LIGHTWEIGHT

**STARTS AT 3.96 LBS FOR EASIER HANDLING**



## HIGH SENSITIVITY

**72+% DQE FOR EFFICIENT DOSE USE**



## 7 YEAR POWER CELL WARRANTY

**BUILT-IN CAPACITOR DESIGNED FOR LONG TERM USE**



## HIGH DEFINITION

**AVAILABLE IN 100/200 μm RESOLUTION OPTIONS**



## Built Tough



**BEND RESISTANCE**  
Up to 286 lbs.



**WATERPROOF/  
DUSTPROOF**  
IP56 Compliant



**STRONGER**  
Holds up to 881 lbs.



**EASIER TO HOLD**  
60% Less Grip  
Strength Needed



**HIGH IMAGE QUALITY**  
Combined with KM superb  
image Processing

# Designed for Clinical Performance. Built for Everyday Use.

In radiography, the detector plays a critical role in **image quality**, **workflow efficiency**, and **daily usability**. It must accurately acquire X ray data, deliver consistent diagnostic images, and perform reliably in demanding clinical environments.

**AeroDR® Wireless Detectors** are designed to support these requirements through a balanced approach to imaging performance, durability, and operational efficiency.

### Designed for Every Environment and Need



#### For Technologists

Lightweight, well-balanced designs support easier positioning and reduced fatigue across long shifts—especially in mobile, trauma, and high volume imaging environments



#### For Radiologists

High-quality image capture supports confident interpretation and diagnostic consistency across exam types and patient populations



#### For Administrators

Durable construction, dependable wireless performance, and a scalable detector family help maximize uptime, extend lifespan, and support cost-effective fleet planning

### Practical Choices for Different Clinical Needs

The AeroDR family offers multiple detector options to support different clinical priorities—from premium and high resolution imaging to value focused and advanced dynamic applications—while maintaining a consistent technology foundation and user experience.

- **AeroDR Glassless Detectors**  
Ultra lightweight, high performance detectors designed for environments where positioning ease and fine image detail matter most. Ideal for imaging environments focused on precision, workflow efficiency, and consistent image quality.
- **AeroDR PDR Detectors**  
Durable, value focused detectors designed for routine radiography and high utilization clinical environments. AeroDR PDR delivers reliable image quality, efficient workflow, and long term dependability for general imaging, mobile use, and retrofit applications.
- **AeroDR HD Carbon Detector**  
Specialized detectors designed for advanced imaging applications, including Dynamic Digital Radiography (DDR), for motion-based studies. Ideal for environments that require dynamic imaging, strength, and consistent performance beyond static radiography.

## A Shared Innovative Technology Foundation

Every AeroDR detector is built on a shared technology foundation developed by Konica Minolta to support consistent imaging results and long term reliability across diverse clinical applications.

- Image acquisition with REALISM™ processing**  
 AeroDR detectors capture X ray data with precision and apply REALISM Advanced Image Processing to deliver clear, consistent images across body parts and exam types, supporting confident clinical interpretation in routine radiography.
- Capacitor based power system**  
 AeroDR uses built in capacitor technology rather than removable batteries. This design eliminates routine battery replacement, reduces downtime, and supports detector performance over its service life.
- Lightweight and durable construction**  
 AeroDR detectors are engineered for frequent handling and daily use, featuring lightweight designs and durable, sealed construction that support demanding workflows.
- Flexible integration**  
 AeroDR detectors are designed to integrate into a wide range of imaging environments, supporting retrofit installations, mobile imaging, and fixed radiography systems.
- Designed for clinical environments**  
 Sealed construction and protective design features support safe, reliable use in busy imaging environments, including resistance to dust, fluids, and routine cleaning protocols.



## Flexible Options Across the AeroDR Portfolio

The AeroDR family includes a range of detector models, providing flexibility in performance, workflow, and application support across diverse imaging environments.

## AeroDR | GL HD-2

### Designed for Detail. Built for Workflow.

- Available sizes: 14"×17" and 17"×17"**
- Ultra lightweight glassless design**  
 Reduces detector weight for easier handling and positioning during high volume and mobile imaging.
- Selectable resolution (100 μm/200 μm)**  
 100 μm resolution supports detailed visualization when exam type or anatomy requires higher image detail; 200 μm enables dose optimization for routine radiographic exams.
- High DQE with REALISM™ Advanced Image Processing**  
 Delivers clear, consistent image presentation across a wide range of clinical applications.
- Capacitor based power system**  
 Eliminates routine battery replacement, supporting reliable operation over the detector's service life.
- Dual capacitor power system**  
 Two integrated capacitors support longer continuous use without interruption, helping maintain workflow continuity in high volume clinical environments.



# AeroDR<sup>®</sup> Flat Panel Detectors

## AeroDR | GL-P

### Glassless Simplicity. Reliable Results.

- **Available size: 14"×17"**
- **Glassless detector design**  
Glassless construction supports the ultra lightweight handling characteristics of the AeroDR Glassless family, enabling careful positioning and ease of use in daily clinical workflows.
- **200 µm pixel resolution**  
Optimized for routine radiography, providing reliable image quality and consistent performance across common exam types with optional 100 µm resolution for exams requiring higher detail.
- **High DQE with REALISM™ Advanced Image Processing**  
Provides clear, consistent image presentation in everyday clinical practice.
- **Capacitor based power system**  
Single capacitor power design supports daily clinical workflows, with fast recharging to minimize interruptions.



## AeroDR | PDR

### Value You Can Trust. Performance That Lasts.

- **Available size: 14"×17"**
- **Robust glass detector construction**  
Designed for everyday use in fixed rooms, mobile imaging, and retrofit environments where durability matters.
- **150 µm pixel resolution**  
Optimized for general radiography, delivering consistent image quality for routine clinical exams.
- **REALISM Advanced Image Processing**  
Supports clear, consistent clinical image presentation across exam types and patient populations.
- **Capacitor based power system**  
Single capacitor architecture supports dependable daily operation, with rapid recharging available when needed to maintain workflow continuity.



## AeroDR | CARBON

### Light. Strong. Advanced.

- **Available sizes: 17"×17", 14"×17" and 10"×12"**
- **Optimized detector design for advanced imaging workflows**  
Supports demanding clinical environments and consistent performance for advanced imaging applications.
- **Selectable resolution (100 µm/200 µm)**  
Provides flexibility for high detail visualization or dose optimization based on clinical requirements.
- **DDR enabled imaging capability**  
Supports dynamic and functional imaging workflows beyond single static exposures.
- **Capacitor based power system**  
Two integrated capacitors enable reliable operation for advanced imaging applications.



# Dynamic Digital Radiography (DDR).



## See Radiology Like Never Before.

**Dynamic Digital Radiography (DDR) is the next generation of medical imaging.** Unlike static X-rays, this novel, low-dose motion X-ray technology allows clinicians to visualize anatomy in motion.

Dynamic Digital Radiography (DDR) acquires up to 15 sequential radiographs per second, creating a “cine loop” that reveals complete physiological cycles. By bridging the gap between standard X-ray and CT/MRI, DDR provides a cost-effective solution for diagnosing musculoskeletal injuries and respiratory pathologies without the high radiation dose of fluoroscopy.

### Seamless Integration with Konica Minolta Systems.

\*DDR is only available in select systems







**DDR**  
DYNAMIC DIGITAL RADIOGRAPHY

**DDR is X-ray that moves!**

Whether you're replacing aging detectors, expanding capacity, or standardizing across multiple rooms or sites, the AeroDR family supports a practical, future-ready approach to digital radiography.

Reinforce by Konica Minolta service solutions, including proactive support and AeroRemote Insights (ARI), to help support uptime, performance, and long term value.

# Product Selection Guide

Category	 AeroDR PDR	 AeroDR GL-P	 AeroDR GL HD-2	 AeroDR CARBON
Size	14"x17"	14"x17"	14"x17" / 17"x17"	14"x17" / 17"x17"
Detection method/ scintillator	Indirect conversion method / CsI (Cesium Iodide)			
Image area size	345.6x420 mm/ (2,304x2,800 pixels)	348.8 x 425.6mm/ (3,488 x 4,256 pixels)	348.8 x 425.6 mm/ (3,488 x 4,256 pixels) 424.8 x 424.8 mm (4,248 x 4,248 pixels)	348.8 x 425.6 mm/ (3,488 x 4,256 pixels) 424.8 x 424.8 mm (4,248 x 4,248 pixels)
Weight	5.5 lbs / 2.5 kg	3.96 lbs / 1.8 kg	4.2 lbs / 1.9 kg 5.1 lbs / 2.3 kg.	5.7 lbs / 2.6 kg 7.0 lbs / 3.2 kg
Matrix size	2,304 x 2,800 (150 μ)	1,744 x 2,128 (200 μ)	3,488 x 4,256 (100 μ) 1,744 x 2,128 (200 μ) 4,248 x 4,248 (100 μm) 2,124 x 2,124 (200 μm)	3,488 x 4,256 (100 μ) 1,744 x 2,128 (200 μ) 4,248 x 4,248 (100 μm) 2,124 x 2,124 (200 μm)
Pixel size, μm	150 μ	200 μ	100 μ/200 μ	100 μ/200 μ
DQE	RQA4 48% @ 0 cycle/mm 40% @ 1 cycle/mm	RQA5 72% @ 0 cycle/mm 59% @ 1 cycle/mm	RQA5 72% @ 0 cycle/mm 59% @ 1 cycle/mm	RQA5 72% @ 0 cycle/mm 56% @ 1 cycle/mm
Spatial frequency	3.33 lp/mm	2.5 lp/mm	5.0 lp/mm - 2.5 lp/mm	5.0 lp/mm - 2.5 lp/mm
Image preview in seconds	~2 @150 μ	~2 @ 200 μ	~3 @ 100 μ ~2 @ 200 μ	~3 @ 100 μ ~2 @ 200 μ
Diagnostic view in seconds	4-7 sec – pixel size and Generator connection dependent	4-7 sec – pixel size and Generator connection dependent	4-7 sec – pixel size and Generator connection dependent	4-7 sec – pixel size and Generator connection dependent
Patient weight/distributed entire detector surface	881.8 lbs	881.8 lbs	881.8 lbs	881.8 lbs
Number of exposable images	150 μ up to 150 exposures @ 4.1 hrs	200 μ up to 147 exposures @ 4.1 hrs	100 μ up to 251 exposures @ 6.9 hrs.* 200 μ up to 309 exposures @ 8.6 hrs	100 μ up to 251 exposures @ 6.9 hrs.* 200 μ up to 309 exposures @ 8.6 hrs
Drop sensors	Yes – Accelerometers	Yes – Accelerometers	Yes - Accelerometers	Yes - Accelerometers
Certifications	IP56 and MIL-STD 810G	IP56 and MIL-STD 810G	IP56 and MIL-STD 810G	IPX6 and MIL-STD 810G
Battery technology (power)	Lithium-ion capacitor	Lithium-ion capacitor	Lithium-ion capacitor x2	Lithium-ion capacitor x2
Battery expected lifetime	Above the DR Detector Service life			
Battery duration in standby status	Approx: 6.2 hours	Approx: 6 hours	Approx: 13.2 hours Approx: 12.2 hours	Approx: 13.2 hours Approx: 12.2 hours
Charge time empty to full	Up to 15 min	Up to 13 min	Up to 30 min	Up to 30 min
Memory inside of panel	Up to 100 images (Optional license)	Up to 100 images (Optional license)	Up to 100 images	Up to 100 images

\*Assuming that the AeroDR is connected to an X-ray, the interval between studies is 5 minutes, and three images are captured in each study and 20s for patient positioning.

**Also available:** AeroDR HD 10"x12"

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