

AeroDR NS

The next standard for digital upgrades



ЛегоDR NS

SWITCH FROM CR TO DR IN JUST A FEW MINUTES

In case you are planning to buy a CR reader, why not consider switching to DR? Konica Minolta introduces a brand new economic DR alternative: AeroDR NS[™]! This 14 x 17" Flat Panel Detector supports you with a complete DR workflow solution and is compatible with any existing static RAD room and mobile RAD system.

UPGRADING FROM CR TO DR **HAS NEVER** BEEN EASIER!



AERODR NS:

- High quality images > because of a CsI scintillator
- Automatic Exposure Detection (AED) > no cable connections needed
- Internal Access Point > enables point-of-care imaging
- AeroStorage > for working offline in case needed
- ✓ Comprehensive software package ImagePilot[™] for Registration ►

Acquisition > Analysis > Reporting & Archiving



AeroDR NS

Other FPD with Csl scintillator

High image quality = High confidence

With a pixel size of 150 micron, and a CsI scintillator, the AeroDR NS delivers a high image quality for making diagnoses with high confidence.

AED & Integrated Access Point

The AeroDR NS has 'Automatic Exposure Detection' so there is no need for cable connections to the generator. An integrated internal Access Point will send the images directly to your screen within seconds. This means a completely wireless workflow!

THE AUTOPILOT FUNCTION CAN AUTOMATICALLY OPTIMISE THE IMAGES BASED ON YOUR OWN PREFERENCES

Storage on the detector

In case it is needed, a built-in memory storage allows you to take multiple images without a computer connection, just like you were used with CR. This AeroStorage functionality can store up to 200 images.

ImagePilot[™]: the All-In-One Software Solution

ImagePilot[™] software provides you with Registration + Acquisition + Viewer + Measurements + miniPACS functionality for your daily workflow: a true All-in-one solution! The console gives you full control over image quality and allows each exam to be fully customized. Konica Minolta's smart integral processing functionality "AutoPilot" can automatically optimize the acquired images based on your standards and preferences.



Simple patient registration

Patient registration can be done manually or by using DICOM MWM, HL7 or FTP (.csv) to automatically create a worklist. This means ImagePilot can connect to virtually any patient administration software.

✓ ImagePilot™ comes equipped with many tools and measurements

For various applications there are various measurements and user tools available. Under "My Tools" a set of tools can be created which are most used for easy access.

Optional tools include dedicated Orthopedic & Chiropractic tools and a Bone-Supression feature: This function delivers an image in which for example the clavicle and the ribs are attenuated. This makes it easier to diagnose thorax images.

DICOM 3.0 compliant – for flawless communication

Of course, ImagePilot[™] is fully dicom 3.0 compliant and can send images to other DICOM devices or print to (DICOM) imagers. You can also create PDI CD's to send the images to another practice or to give to the patient. In order to make viewing easy, ImagePilot[™] has a Mobile client option to view images on tablets, wherever and whenever.

Intelligent acquisition

You don't need to select body parts or exam tags: simply open the patient file, click the acquisition button and expose the AeroDR NS panel. Integral processing will do the work for you.



Bone Suppression image

EXISTING KONICA MINOLTA IMAGEPILOT USERS CAN BENEFIT FROM CONTINUATION **OF THE SAME USER INTERFACE BUT AT A MUCH FASTER ACQUISITION TIME!**

IMAGEPILOT WORKFLOW: HOW IT WORKS.

The big advantage of a DR workflow over a CR workflow is that the acquisition cycle time will be much shorter: from several minutes to seconds. Konica Minolta's Imagepilot[™] is a

comprehensive software console that enables you to complete the whole process around patient imaging. In the next pages you will see the various steps of this efficient process.

1. EASY REGISTRATION



Patient registration can be done either manually or by using DICOM MWM, HL7 or FTP (.csv) to automatically create a worklist. This means ImagePilot can connect to virtually any patient administration software.

2. INTELLIGENT ACQUISITION



3. QUICK VIEWING & REPORTING



ImagePilot comes equipped with many tools and measurements for various applications:

- General tools
- Orthopedic
- Chiropractic
- Veterinary

Under "My Tools" a set of tools can be created which are mostly used for quick & easy access

4. VARIOUS OUTPUT & PRINT OPTIONS

You can also create PDI CD's to either send the images to another practice or to provide the patient with the study.



Print composer allows optimal print settings.



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✓ AeroDR NS[™] Technical Specifications

Console software	ImagePilot™		
X-ray Detection method	Method: indirect, Scintillator: Csl (Cesium Iodide)		
DQE	40% (1lp/mm)		
Pixel size	150 μm		
Image area (valid image)	2304 x 2800 pixels (345.6 x 420.0 mm)		
X-ray linkage	AED: Automatic Exposure Detection (Automatic X-ray detection without X-ray I/F)		
Cycle time	First View: 4 sec / Cycle Time: 10 sec		
Internal AP	Available (in combination with notebook PC-type ImagePilot)		
Image Storage	Available (up to 200 images)		
Wireless specifications	IEEE802.11a/n/ac		
Durability	Total surface load: 150 kg		
	Point load: 100 kg @ φ40 mm		
Water resistance	Panel: IPX1 including battery		
Battery	Lithium ion battery (detachable type)		
Battery performance	212 images or 5.9 hours		
Battery duration in standby	7.6 hours		
Available grid	40lp/cm		
Dimension	384 mm x 460 mm x 15 mm (ISO-4090-2001(JIS-Z4905) compliant)		
Weight	3.6 kg (including battery)		







✓ ImagePilot[™] tools:

Standard tools		
Window width & level	Pixel to pixel	Preset markers
Invert	Line, arrow and text annotation	
Zoom/Pan		

Chiropractic tools*		
George's line	Vertical line	Lumbar Lordosis
Gravity line	Markers	Vertical Deviation
Horizontal line	Cervical Lordosis	
Horizontal Deviation		

Orthopedic tools*		
Talocalcanean Angle	Femorotibial Angle	Sagittal Diameters
Bohler Angle	Sharp Angle	Spinal canal Narrowing Ratio
Hallux Valgus Angle	CE Angle	Descending ratio of humeral head
Perpendicular Cobb Angle	• AHI	Meyerding
Three line Cobb Angle	Ratio Ruler	CABA Angle
Four line Cobb Angle	CA CP AP	

Mobile Client option*

For viewing on tablets of different brands

* Optional