KONICA MINOLTA

AeroDR NS

The next standard for digital upgrades

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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 CsI 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.

Shared Wireless Solution

1. Registration → **2.** Acquisition → **3.** Analysis, reporting & PACS

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.

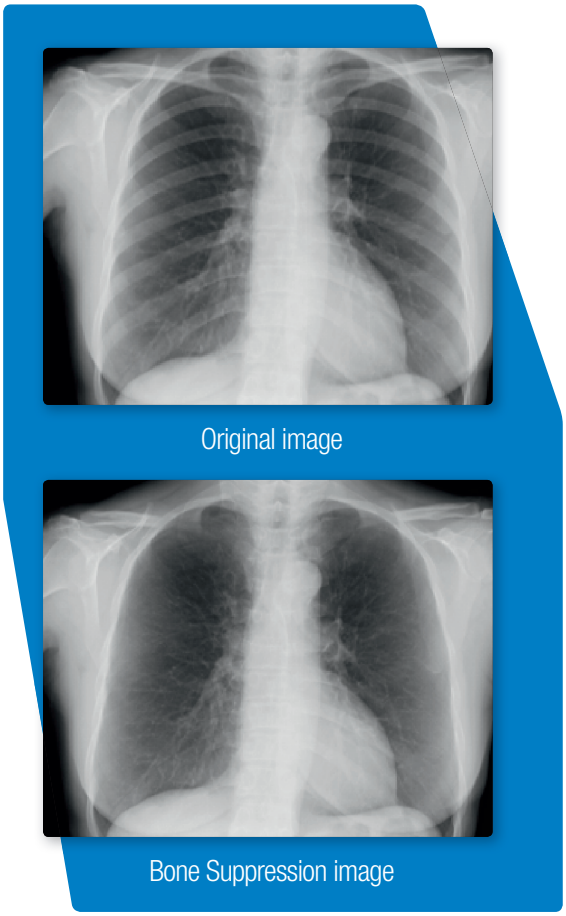
Intelligent acquisition

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.

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

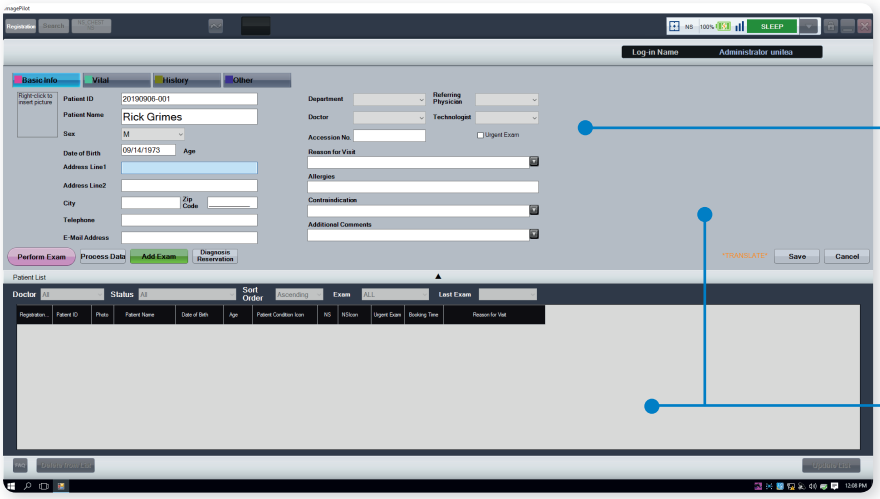
Of course, ImagePilot™ is fully dicom 3.0 compliant and can send images to other DICOM devices or print to (DICOM) imagers. You can also create PDI CD's to send the images to another practice or to give to the patient. In order to make viewing easy, ImagePilot™ has a Mobile client option to view images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

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



Open the patient from the worklist or manually create a new patient

The upper part displays the patient registration section and the lower part displays the Patient List

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.

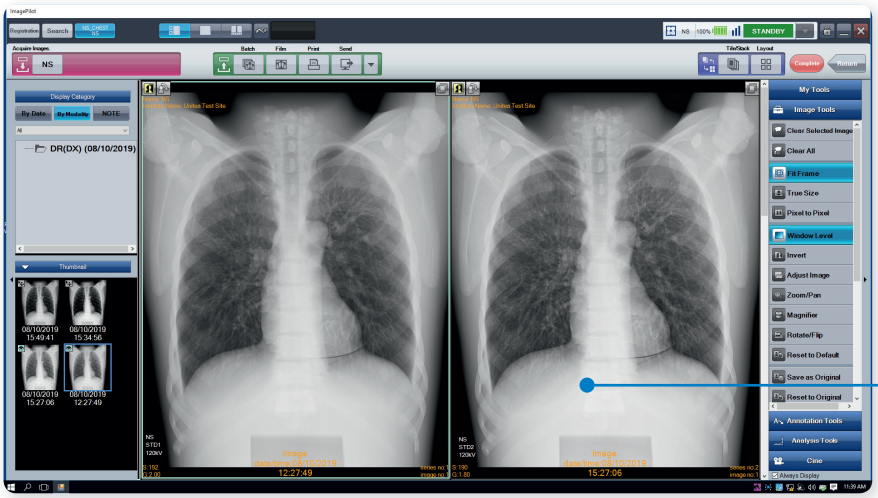
2. INTELLIGENT ACQUISITION

By pressing the acquisition button, the selected patient is ready to receive data from the AeroDR NS

AutoPilot extracts the bone information from the image and automatically calculates the S value to produce a high quality image. This eliminates the steps needed to choose a body part before making the exposure and thus simplifies workflow

You don't need to select body parts or exam tags, simply open the patient, click the acquisition button and expose AeroDR NS panel. Integral processing (or 'AutoPilot') does the work for you…

3. QUICK VIEWING & REPORTING

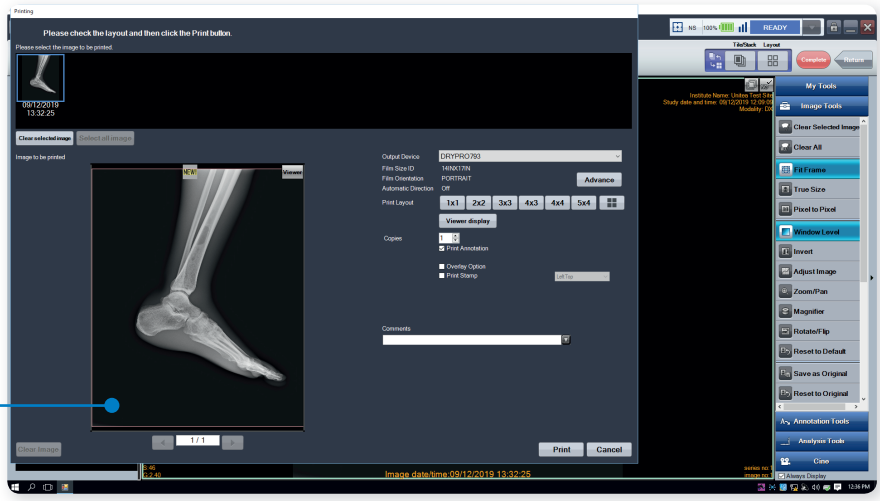


ImagePilot comes equipped with many tools and measurements for various applications:

- General tools
- Orthopedic
- Chiropractic
- Veterinary

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

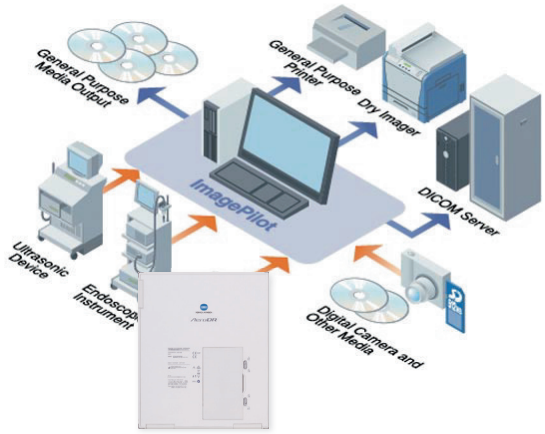
4. VARIOUS OUTPUT & PRINT OPTIONS



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.

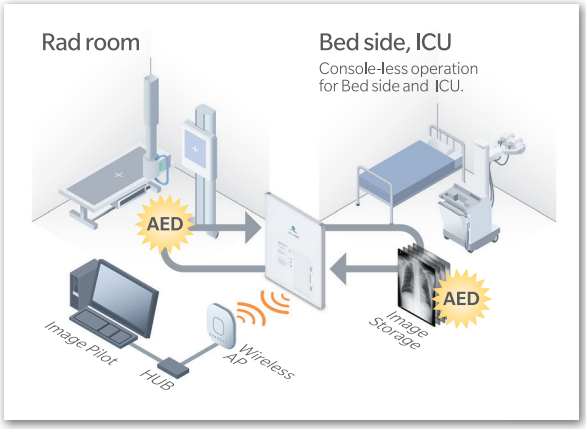
5. MINI-PACS

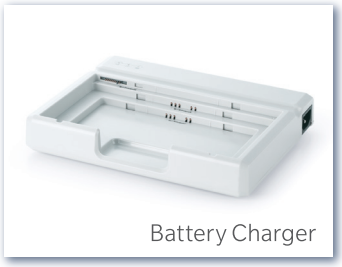


- 500GB / 40k images
- 2TB / 180k images

AeroDR NS™ Technical Specifications

Console software	ImagePilot™
X-ray Detection method	Method: indirect, Scintillator: CsI (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
- Invert
- Zoom/Pan
- Pixel to pixel
- Line, arrow and text annotation
- Preset markers

Chiropractic tools*

- George's line
- Gravity line
- Horizontal line
- Horizontal Deviation
- Vertical line
- Markers
- Cervical Lordosis
- Lumbar Lordosis
- Vertical Deviation

Orthopedic tools*

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

Mobile Client option*

For viewing on tablets of different brands

** Optional*

MEUN_NS_20190916

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