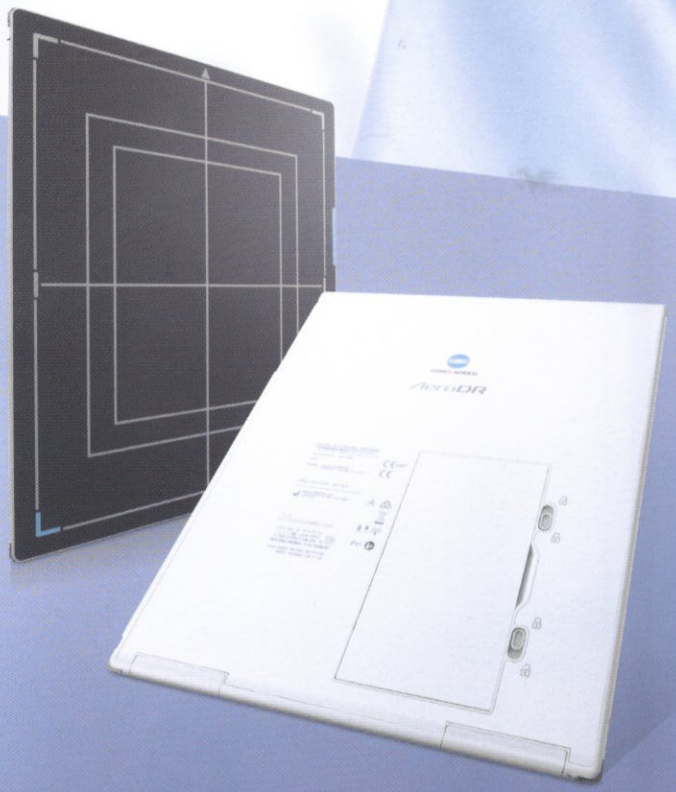
KONICA MINOLTA

THE NEXT STANDARD

The new choice for Digital Upgrades.

AeroDR NS is the value model in the AeroDR Series, which incorporates all important function alities for digital upgrades for your X-ray room.

- High quality images by CsI scintillator
- 150µm pixel pitch, high resolution images
- Automatic Exposure Detection (AED)
- IPX1 Water Resistance
- Image Storage, Internal AP
- Simple operation, Easy installation



WIRELESS DIGITAL RADIOGRAPHY SYSTEM

AeroDR NS

Giving Shape to Ideas

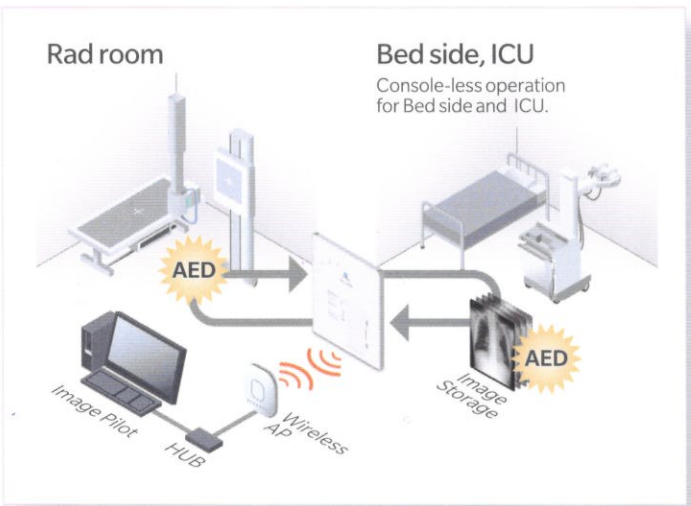
SWITCH FROM CR TO DR
IN JUST A FEW MINUTES

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!

➢ Image Storage Function



➢ Internal AP Function

➢ 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 confi dence.

AeroDR NS

Other FPD with CsI scintillator

➢ 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 workfl ow!

➢ 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.

IMAGE PILOT CONSOLE

➢ 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.

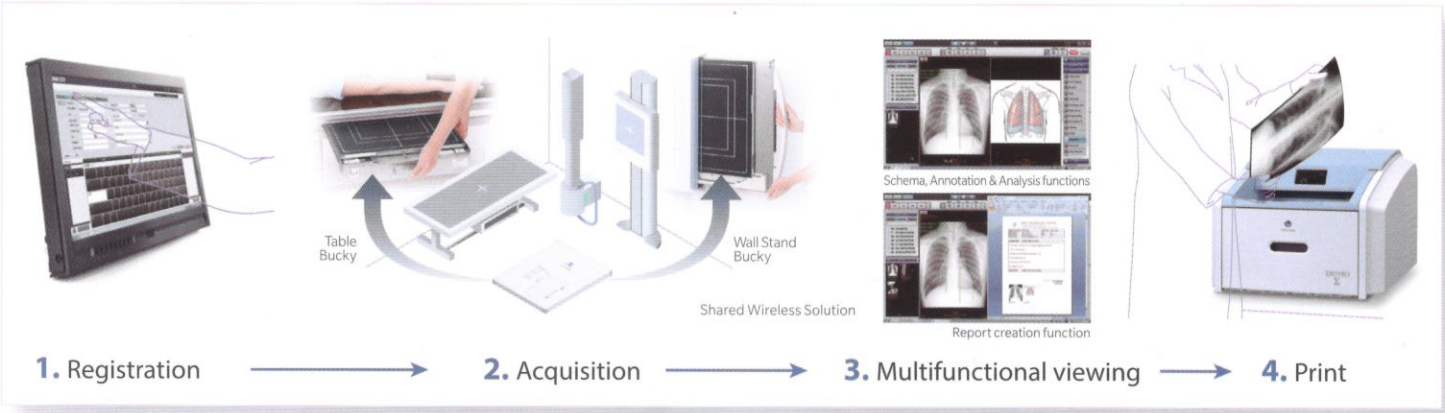


IMAGE PILOT WORKFLOW

➢ 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.

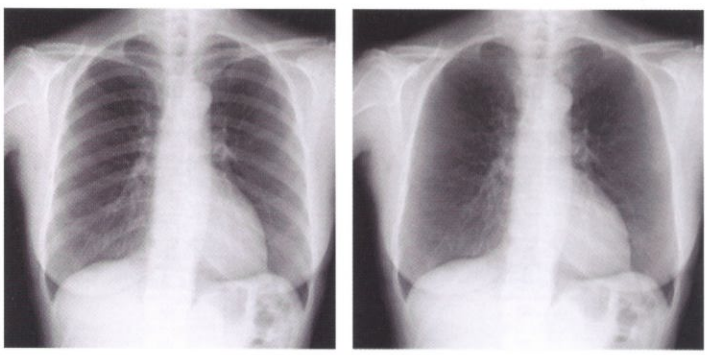
➢ Intelligent acquisition

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. Provided with dedicated Orthopedic 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.

BS IMAGING (BONE SUPRESSION)



Original Image | Bone Suppression Image

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	

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

AeroDR NS 1417 Specifications

Product Name (Model Name)[*1]

AeroDr NS 1417 (P-41)

Detection Method

Indirect conversion method

Scintillator

CsI (Cesium Iodide)

External dimensions (WxDxH)

384x460x15mm (15.1x18.1x0.6 inch)

Weight (Including battery)

3.6kg (7.9lb)

Pixel size

150 µm

Image area size

345.6x420.0mm (13.6x16.5 inch)

AD conversion

16 bit (65,536 gradients)

Usable grid frequency

40lp/cm

Communication

Wireless LAN (IEEE802.11a/n/ac compliant)

W-LAN encryption

Wireless encryption method : AES
Authentication method : WPA2-PSK

Auto exposure detection (AED)

Available

Image Storage

200 images

Durability

Point load[*2] : 100kg@Ø40mm

Face load[*2] : 150kg effective image area overall

Water resistance[*3] : IPX1

Preview / Cycle time

Approx. 4 sec / 10 sec

Battery

Lithium Ion (Detachable Type)

Battery performance

Approx. 200 images / 5.5 hrs.

Recommended storage and usage environment condition

Operating:

(Temperature) 10 to 350C (50 to 950F)

(Humidity) 35 to 80% RH (ensure no water condensation)

(Atmospheric pressure) 700 to 1060 hPA

Not in operation/In storage/Transport:

(Temperature)-20 to 500C (-4 to 1220F)

(Humidity) 20 to 90% RH (ensure no water condensation)

(Atmospheric pressure) 700 to 1060 hPA

Accessories

Battery

Battery Charger

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