

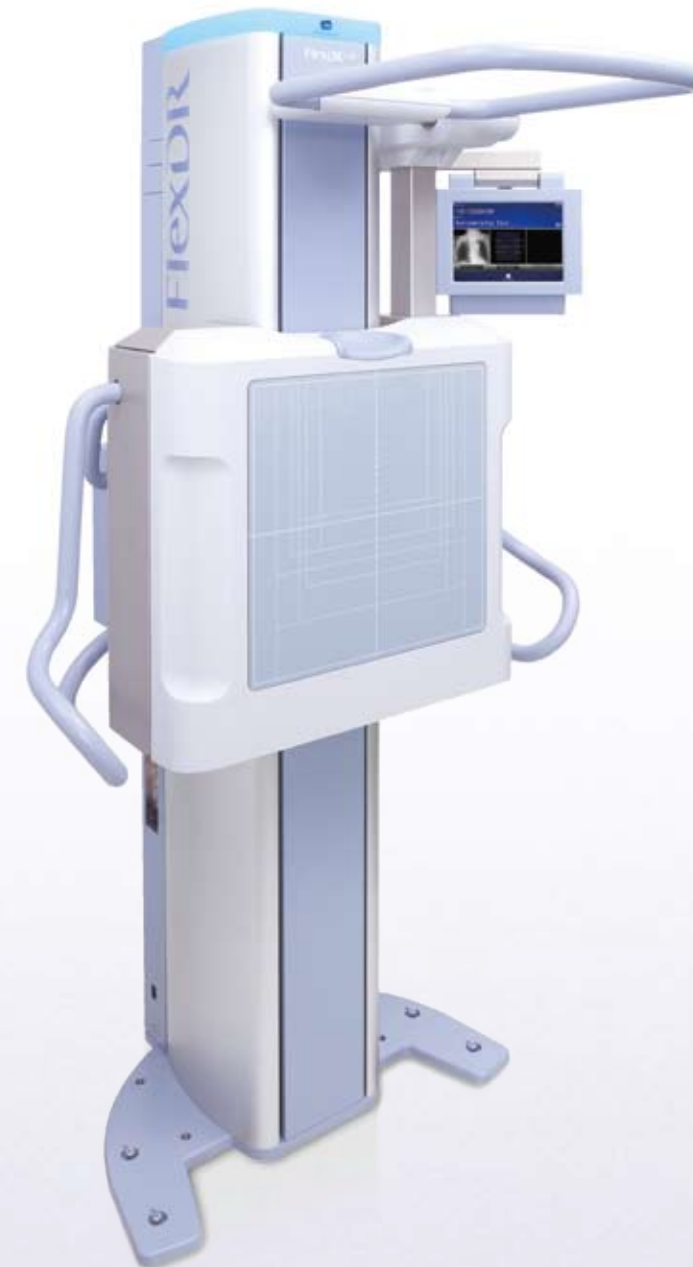


KONICA MINOLTA

DIGITAL RADIOGRAPHY
FlexDR C30



FlexDR
C30



The essentials of imaging



KONICA MINOLTA

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Distributed by :

FLEXDR C30

FlexDR C30 delivers usability to meet the needs and expectations of imaging.

FlexDR C30 achieves more comfortable workflow with excellent operability, uncompromising usability and rapid image acquisition (5 seconds after exposure).

It also provides a state-of-the-art, high level of diagnostic image, by combining a high quality FPD (Flat Panel Detector) and the image processing technology which Konica Minolta has developed for its REGIUS system.

Excelling in real time performance, efficient imaging and safety

Image is acquired in about 5 seconds and displayed simultaneously on both workstation screen and LCD sub panel in the examination room. The sub panel allows image checking, patient ID confirmation and various other operations in the examination room, providing a workflow that enhances the real time performance of FPD, streamlined imaging, and less burden on patients.

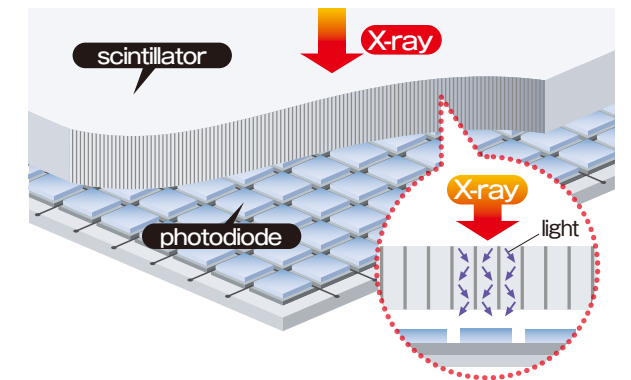
<Main features of sub panel>

- Large-scale (10.4 inches) touch screen LCD monitor.
- Patient information can be checked upon positioning.
- Imaging parameters (image size, direction, position) can be modified in the examination room.
- Display has a familiarity with previous console displays, keeping the same usability.



Contributing to lower dose and higher resolution

FPD (Flat Panel Detector) employs an indirect conversion system with CsI (cesium iodide) columnar crystal. It provides a state-of-the-art, high level of diagnostic image, by combining the image processing technology which Konica Minolta has developed over the years. In addition, the high quality FPD has a higher DQE enabling lower dose.



Easy grid exchange

Grid can be selected according to imaging region and parameters. Image quality is enhanced by an optimum anti-scattering. Grid exchange is simple and speedy.



Providing both safety and operability

Manual movement of the unit employs touch SW. The unit can be raised/lowered and fine-adjusted smoothly with a light holding of a handle, providing both safety and operability (time saving). The unit can be lowered to 465mm (from panel's center to floor), allowing a wide range of image capture including lower limbs.



Thoughtful and easy to use

- **Status indication lights:** Operational status of the unit is indicated by colour-coded indicator lights. Readiness for image capture and error occurrence can be immediately checked from a distance.
- **3D shaped hold bars for PA/AP examination:** Hold bars are designed for all subjects and all body types, providing both functionality and safety.

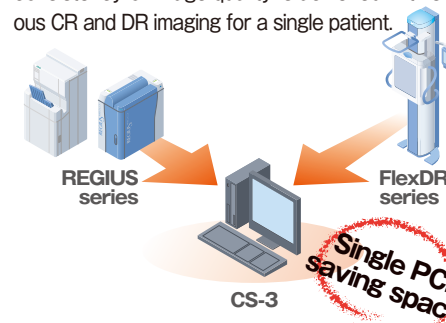
H Y B R I D - W S C S - 3

Diagnostic Imaging Workstation CS-3 is a console for dual use with FlexDR and REGIUS series. Touch screen LCD monitor with wide viewing angle has been introduced to a simple and intuitive user interface. Reliable image checking feature follows the same line of that in FlexDR series. The system provides total management from input of patient/order information received from HIS/RIS all the way through to image checking, as well as more comfortable and efficient image acquisition environment.



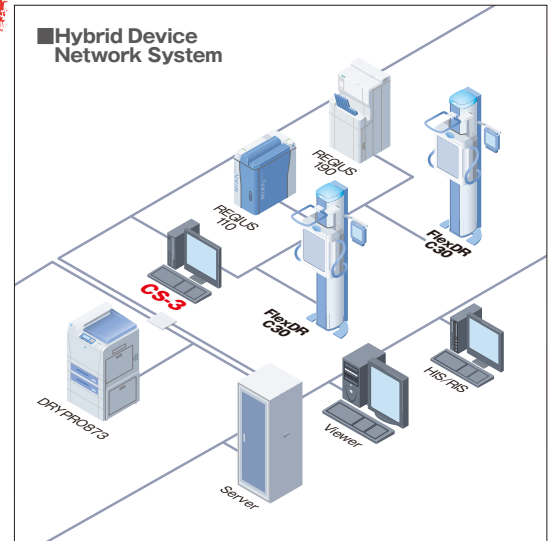
Hybrid Device Workflow Console

The system centralizes workflow from order information management to image output in general X-ray imaging by the use of "FlexDR and REGIUS system". Change into Uniformity of handling (including console operations) and consistency of image quality is achieved with simultaneous CR and DR imaging for a single patient.



No movement between consoles!

- ▶ Patient selection
- ▶ FlexDR imaging selection
- ▶ Image acquisition
- ▶ Image checking
- ▶ REGIUS imaging selection
- ▶ Image acquisition
- ▶ Image checking
- ▶ Image adjustment



Delivering Uncompromising Real Time performance. Centralized control of DR and CR creates a comfortable work environment.

Provision of real-time operation

Based on the review of image acquisition workflow, Konica Minolta offers an additional touch screen LCD monitor (sub panel) with FlexDR model, providing image display and various other operations in the examination room to achieve a workflow with improved real-time performance. Upper line shows CS-3 display and lower line shows sub panel display.



*To be released soon

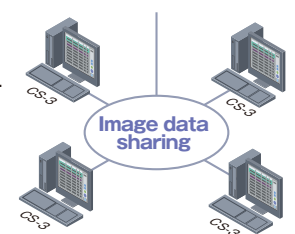


Equipped with patient information registration function

- **Search screen:**
On this screen, patient information can be searched by ID number. Suitable for operation with patient check-in at each imaging room.
- **Order list screen:**
Registered orders are displayed sequentially in the combined use of patient check-in terminal. Suitable for operation with separate patient check-in.

Various optional functions that enhance usefulness and convenience.

- **Arbitrary annotation function:**
This function allows text editing and layout at any positions on the image. Annotations can be reflected in the output (to host or printer).
- **Inter-console image sharing:**
This function allows image data sharing among CS-3 consoles on a single network.



★Screen design is subject to change without notice for the purpose of performance improvement.

S P E C I F I C A T I O N S

Multiple functions and an excellent specification contained in a compact body

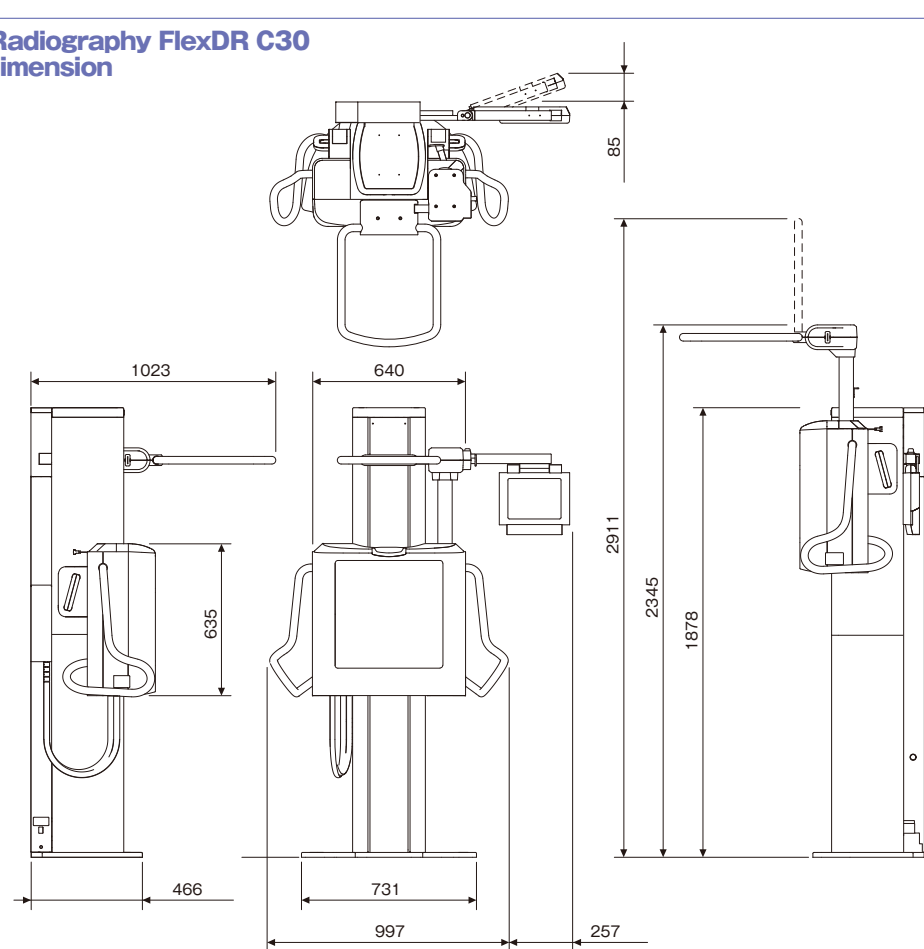
Digital Radiography FlexDR C30 Specification

- **Detector**
Flat panel detector
Scintillator (CsI)
- **Exposure size**
6 types (17"×17", 14"×17", 14"×14", 11"×14", 10"×12", 8"×10")
- **Sampling pitch size**
139μm×139μm
- **Exposure resolution**
3072×3072
- **Effective resolution**
3052×3052
- **Gradation level**
4096 levels (12bit)
- **Elevation range**
465~1565mm(center)
- **Outer Dimension/Weight**
W996×D520×H1878mm / 430kg
- **Power consumption**
240 VA max.
- **Operating Conditions**
Temperature: 15-30°C/Humidity: 30%-80%RH
- **Accessory**
Power cable
- **Options**
Height tracking cable, Center synchronization cable,
Collimation synchronization cable

Diagnostic Workstation CS-3 Specification

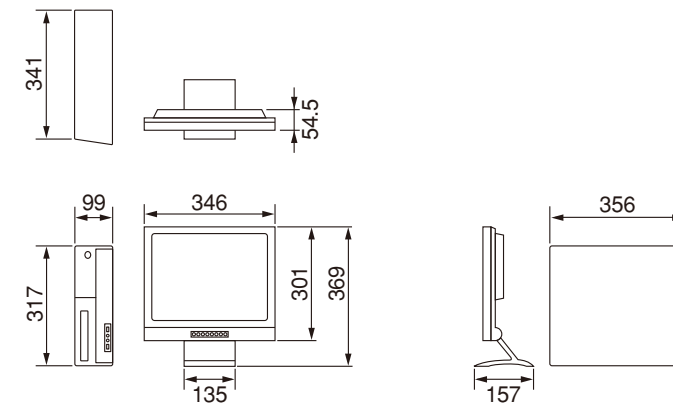
- **Image Processing**
Automatic Gradation Processing (G Processing)
Frequency Processing (F Processing)
Equalization Processing (E Processing)
Hybrid Processing (H Processing)
- **Image Output**
 - **Maximum**
Host : 3ch for Routine, 1ch for backup
Printer: 2ch for Routine, 1ch for backup
 - **CS-3 Standard Software**
Host or Printer : 1ch for Routine, 1ch for backup
- **DICOM Support**
Basic Grayscale Print Management (SCU)
Storage (SCU)
Modality Worklist Management
Modality Performed Procedure Step
Grayscale Standard Display Function (print output)
- **Maximum Device to a CS-3**
REGIUS 170/190 16units and REGIUS 370 1unit
- **Output Format**
1×1, 2×1, 1×2
- **Main Options**
 - **Hardware option**
Bar Code Reader for Cassette Registration
CS-1 PDA
CS-1 PDA CRADLE
IDS WW
 - **Software option**
CS-3 MWM/FTP/DETACHED Option
CS-3 MPPS/DETACHED Option
CS-3 HQ Mammography Option
CS-3 DICOM Output Additional#1
CS-3 DICOM Output Additional#2
CS-3 DICOM Output Additional#3
CS-3 DICOM Output Additional#4
CS-3 DICOM Output Package
CS-3 Stitching Option
CS-3 Image Sharing Option
CS-3 Data Analysis Option

Digital Radiography FlexDR C30 Outer Dimension



Unit : mm

Diagnostic Workstation CS-3 Outer Dimension



Unit : mm

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