

vdX digital
imaging

Portable DR flat panels



radiology ahead

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VDX Digital Imaging systems are the quickest and simplest way of enjoying the benefits of digital radiology, without necessarily having to replace the existing radiology equipment.

The portable VDX flat panel is the same size as a conventional cassette (35 cm x 43 cm), which makes it full integrable into current radiological systems, expanding their operational flexibility and at the same time enhancing workflow.



Increased productivity

Thanks to the powerful digital acquisition system, the images are displayed on the monitor within few seconds after the exposure, **ready for a complete assessment**.

This drastically reduces total exam times, and the system is instantly ready for the next patient, thus increasing the productivity of the X-ray room. In addition, DICOM functions give the digital system optimum PACS/RIS/HIS integration, enabling information to be **shared** rapidly.

Rapid diagnoses

Because of their reduced pixel size, which can be as small as 100 microns, VDX panels are capable of acquiring high-resolution, extremely **detailed, sharp images**. This improvement in information content is a valuable decision-making tool, which facilitates and speeds up the diagnostic process.

Great patient care

The innovative amorphous Silicon and Caesium Iodide (CsI) technology makes the panel very sensitive to X-rays (DQE value of 75%), resulting in **exceptional image quality** at low dose levels.

Advanced image processing tools also bring out the best in the diagnostic content of the acquisitions, reducing the need for additional exposures.

Sharing means saving

VDX flat panels can be **shared** between various types of diagnostic equipment. A panel used in the morning in a conventional imaging room, in the afternoon could be associated with a mobile bedside unit, or for lateral projections on a remote-controlled Apollo DRF or even in the operating room with a C-arm. A single Flat Panel to serve a variety of operational needs – **savings** guaranteed!

The choice between two solutions

Portable panels with cable

Portable VDX panels equipped with power and image transfer cables are the most competitive solution available on the market, both in terms of cost and acquisition speed. They can be used on new X-ray systems or as an upgrade for existing systems.

Portable wireless panels

VDX wireless solutions provide complete freedom of placement, typical of conventional cassettes, with all the advantages of direct digital.

This maximizes the panel's operational flexibility and ease of use. In addition, their ability to automatically synchronize with X-ray emissions means that they can be used in an X-ray room without any modifications.

The traditional bucky room will soon become digital

Doesn't change the way you work

Its **lightweight structure** ensures that the VDX flat panel can be moved from the chest stand to the table, or else be used outside the bucky for lateral projections and for projections in direct contact with the detector.

The result is an unsurpassed set of radiographic procedures, comparable to the most expensive DR systems with two fixed sensors.



Tailored to every need

Given that the acquisition system can handle multiple sensors, one can opt for a **single- or double- panel** VDX solution, or for a "mixed" approach, combining a portable VDX sensor with our fixed flat panel integrated into the bucky table or wall stand. This is the ideal choice when the percentage of exams in the chest or abdominal region is extremely high, and where it is thus preferable to have an area of 43 cm x 43 cm.

Protect investments

Depending on the condition of the existing radiology equipment, it is possible to use VDX as a **retrofit kit**, or opt for the VDX **solution integrated** into one of Villa's DR systems. In addition, if a portable VDX solution is the choice, conventional cassettes or CR plates can still be used.

VDX wireless meets Apollo



An easy step into digital

It is possible to get the advantages of digital radiography while continuing to use Apollo or Apollo EZ systems with image intensifier.

Images available within seconds after the acquisition, outstanding image quality and reduced dose to patient are some of the major advantages of using a wireless VDX flat panel inside the remote-controlled analogue Villa system.



Add potential to the Apollo DRF

The Apollo DRF, our high-end remote-controlled system, is already capable of acquiring both radiographic and fluoroscopic imaging on the same dynamic panel, and adding a wireless VDX flat panel extends its capacity to include such applications as direct exposures and lateral projections.

Maximum integration is provided by a single console which handles both panels, sharing both patient database, image-processing tools and DICOM connectivity.



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Competence in x-ray systems

Villa Sistemi Medicali is one of the most important manufacturers of radiological systems worldwide. Leveraging more than 50 years of experience in X-ray field, the company's know-how covers all technologies that can satisfy any need in the X-ray field.

A wide range of equipment

Our range of products includes:

- Digital X-Ray systems
- Remote controlled tables
- Classical tilting tables
- General rad rooms
- Mobile units
- Surgical C arms
- Mammography

Our priority: Technical Service

A wide network of highly qualified and specialized technicians guarantees effective and reliable maintenance of Villa's medical radiology equipment installed anywhere in the world. Our specialist consulting programmes and technical service contracts are defined by our qualified personnel and adapted to the needs of our customers.

Logistic services: a global presence

Villa Sistemi Medicali daily provides full systems, spare parts, accessories and consumables, shipped regularly to all our customers, worldwide, using the most efficient couriers. Shipment modalities include ground, ship, air and inter-modal freight transport.

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