

UltraView 30



The UltraView 30 X-ray system is designed for high-quality radiographic examinations in various patient positions — standing, lying on a couch or bed, or sitting on a chair, armchair, or in a wheelchair.

The system can be used for chest radiography with the patient standing or seated, in both frontal and lateral projections, enabling highly accurate detection of lung pathologies.



Advantages of the UltraView 30:

- **Versatility:** Suitable for a wide range of radiographic examinations.
- **Mobility:** Easily moved between rooms and requires no complex installation.
- **Image Quality:** Advanced detectors and professional software ensure high-resolution X-ray imaging.
- **Ease of Use:** Intuitive control console and adjustable patient positioning for user-friendly operation.
- **Adjustable Exposure Height:** From 450 mm to 2000 mm, allowing comfortable use for patients and medical staff of all heights.
- **Compact and Maneuverable:** The main unit features a wide front view, ergonomic handle, and large rear wheels for smooth and safe movement.
- **Movement Locking Mechanism:** Foot-pedal locking system ensures stability and safety during examinations.

Specifications of the ward radiographic unit:



Mobile stand on a wheeled base with rubber antistatic wheels and parking brakes, designed for transportation and quick deployment within hospital premises.

Cassette compartment for storing up to 6 radiographic cassettes sized 35x43 cm (14x17 inches), or a flat-panel digital detector and a portable computer.

Control console: 10" TFT LCD

Adjustable distance from the center of exposure to the floor. From 450 mm to 2000 mm.

Overall dimensions in mobile position: 109x68x158 (H) cm

Type of power unit: high-frequency monoblock with a power output of 32 kW.

Power supply specifications: 220V \pm 10%, 50Hz

Three exposure programming modes:
3-point (kV/mA/ms),
2-point (kV/mAs),
and anatomical mode (510 anatomical programs).



Digital flat-panel X-ray detector Exprimer EVS3643W (DRTECH, Republic of Korea)

Amorphous silicon matrix with CsI scintillator	Cesium iodide (CsI)
Active imaging area size	360x430 mm (14"x17")
Pixel size	140µm
Detector matrix size	2560 x 3072 Pixel
Sensitivity DQE	65%
Spatial resolution	3.57 line pairs/mm
Wireless data interface	IEEE 802.11n (5.2 GHz)
Image acquisition time (via wireless connection)	3.6 seconds
Detector size	386 x 460 x 15 mm
Detector weight	3.4 kg
Carbon fiber protective detector housing for shielding the detector from damage	



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Automated Radiologic Technologist Workstation (ARM)

Based on a laptop with a 13–14” display and original software developed specifically by DRTECH. The ARM allows instant acquisition of X-ray images directly to the screen of the portable computer and provides access to the full range of diagnostic functions offered by the software.

Using the network interface, X-ray images in DICOM format and patient data can be transmitted to the hospital's PACS server and/or to the radiologist's ARM (Automated Workstation).

This system is equipped with either a KermaX plus dosimeter or a KermaX dosimeter, which is mandatory in accordance with Article 17 of the Law of Ukraine “On Protection of Human Health from the Effects of Ionizing Radiation.”

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