

XTREME



STEPHANIX
MEDICAL IMAGING SOLUTIONS

XTREME is a digital solution available in three versions:

► Manual

Servo-assisted vertical movement of the SP4S ceiling suspension.

► Vertical Auto-tracking

SP4S synchronized movement with the vertical movements of the table or Wall Bucky.

► Autopositioning

SP4S motorized rotations, angulations and movements.

Multiple configurations are customizable to meet the needs of general radiology, trauma or emergency departments.



Three essential elements:

- Ceiling suspension
- Vertical Wall Bucky (fixed or tilting)
- Patient table

are combined with a high-frequency generator (up to 80 kW), an x-ray tube with a high heat capacity and a digital system with flat panel detectors for near-instant image visualization, its post-processing and its sending to the network.



COMFORT OF USE

The four-way floating tabletop with variable height is adjustable to stretcher height for patients transfers (load up to 300 kg).



The Wall Bucky moves 150 cm vertically to explore the entire skeleton from weight bearing feet to sinuses on standing patient.

With the pressure of one hand, the capacitive handle releases the movements of the SP4S ceiling suspension on the four axes. The sensitive keys unlock each axis independently.

The control console with LCD screen indicates the focal distance and the tube angulation. The touch screen version displays many parameters (patient, acquisition, stands, etc.) adjustable if necessary at patient proximity.



XTREME offers options like handgrips and compression bands for patient comfort, a lateral cassette holder for lateral or oblique exposures, double pedal set for patient access in emergency situations, etc.



FLAT PANEL DETECTORS

The flat panel detectors, integrated, wired or wireless, are designed for exams such as chest, extremities, abdomen and spine.

WiFi detectors thickness is equivalent to CR cassettes and enables specific procedures such as femoro-patellar and weight bearing feet.

Their sharing, between several rooms and mobile systems, permits all routine procedures.

ACQUISITION

For digital versions with flat panel technology, a console with touch screen interface (option) gives access to the patient data entries, the selection of anatomical protocols and acquisition parameters, the image preview for validation, and its post-processing before sending it to the network.

Each procedure benefits with its own preset parameters such as the acquisition parameters, the stands' positioning, the collimation, the additional filtration.

For information sharing, **XTREME** systems are equipped with:

- ▶ USB ports
- ▶ Ethernet outputs
- ▶ DICOM Media Export compatibility



DOSE MANAGEMENT TOOLS

- ▶ Dedicated paediatric protocols
- ▶ Automatic collimation and filters, programmed in each anatomical protocol (option).
- ▶ Dose Area Product (DAP), indicated for each exposure.
- ▶ DICOM MPPS and RDSR functions: exam data automatic sending such as Dose Area Product and acquisition parameters.
- ▶ Removable grid and scattered radiation correction (option).



The **scattered radiation correction** is automatically done by the software: no need for a physical grid and thus easier to use (no grid to handle) and it provides a dose reduction (no grid to penetrate).





SP4S CEILING SUSPENSION

LCD screen for Manual and AutoTracking configurations. Optional touchscreen for Auto Tracking configurations and as default for AutoPositioning configurations.



WALL BUCKY

Different models are available:
 > PM2S : fixed wall bucky
 > PMB3S : manual tilting wall bucky
 > PMB4S : motorised tilting wall bucky



ELEVATING TABLE

From 58 to 93 cm for the working position adjustment and for stretcher transfer.



DOSE MANAGEMENT

> Paediatric protocols
 > Removable grids
 > Automatic collimation and filters (option)



STITCHING

Full spine and lower limbs exams are achievable with automatic angulations of the X-ray beam and synchronised detector movements. The images are automatically stitched by the software.



DIGITAL DR

Flat panel technology for examinations with instant control of image quality.

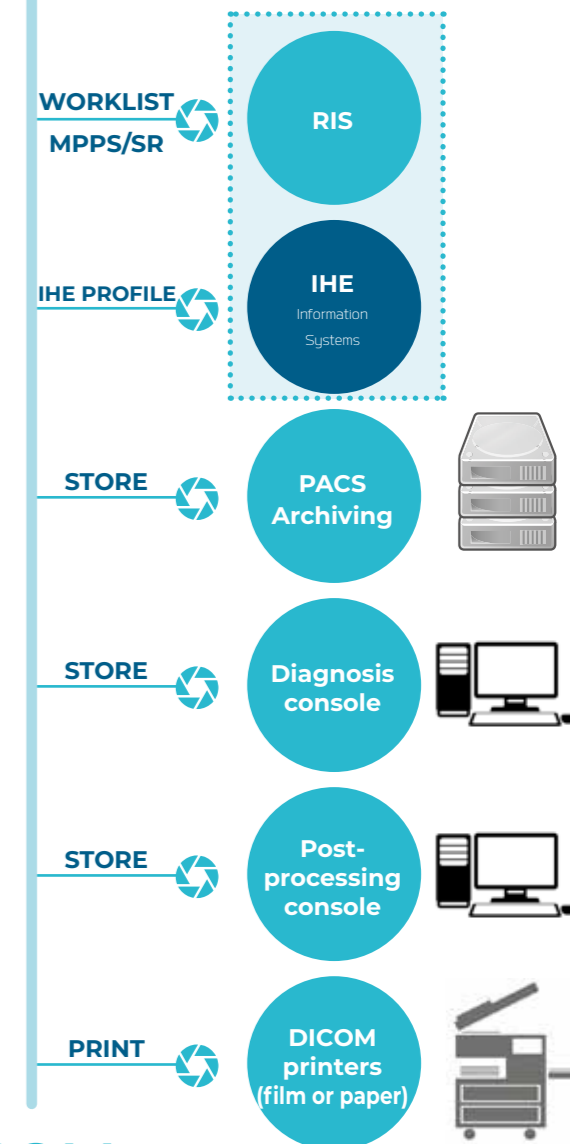
SECONDARY WORKSTATION

Depending on your Department configuration, STEPHANIX offers a selection of workstations for display and secondary processing with XTREME.

STEPHANIX solutions manage the patient data, from image acquisition to diagnosis, and storage on the network.



DX MODALITY



DICOM
 IT ARCHITECTURE GIVEN AS AN EXAMPLE

LATEST GENERATION OF DIGITAL RADIOGRAPHY SOLUTIONS: INTEGRATED, DYNAMIC, PORTABLE, WIRED AND WIRELESS DETECTORS.

REMOTE CONTROLLED TABLES



X-RAY ROOMS



X-RAY MOBILE UNITS



SURGICAL C-ARMS



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