



 *Odyssey*

ODYSSEY

Digital Mobile X-ray System

with 3-Step Telescopic Arm / 32 kW High Frequency Generator



Compact and Ergonomic Design

Maximum Efficiency and Energy

The **Odyssey** is a premium mobile digital radiographic system that utilizes a 32kW high-frequency generator. The fully integrated 19-in. color touchscreen allows the operator to preview the image and access image enhancement tools. Thanks to the battery charger with Energy Recovery Technology, the unit can operate longer with less interruption achieving up to 800 exposures.

Driving and Maneuverability

The patented Easy Moving System with motor-assisted drive ensures smooth and silent movement with easy maneuverability. The handle's capacitive touch technology means effortless, one-handed movement of the entire unit is possible which can achieve a forward speed of 3.4 mph. The compact and flexible design of the **Odyssey** allows for easy access through narrow aisles, and in a patient's bed or wheelchair, improving productivity and allowing staff to work with safety and ease.

Safety Features for Peace of Mind

The fully counterbalanced telescopic column allows you to reduce it down to a height of 50.7 in., providing a clear, safe view during transport. When not in use, the retracted column allows for compact storage.

In the event of an emergency, manual movement can be quickly achieved by the push of a button. For an extra layer of protection, anticollision proximity sensors are available as an option.



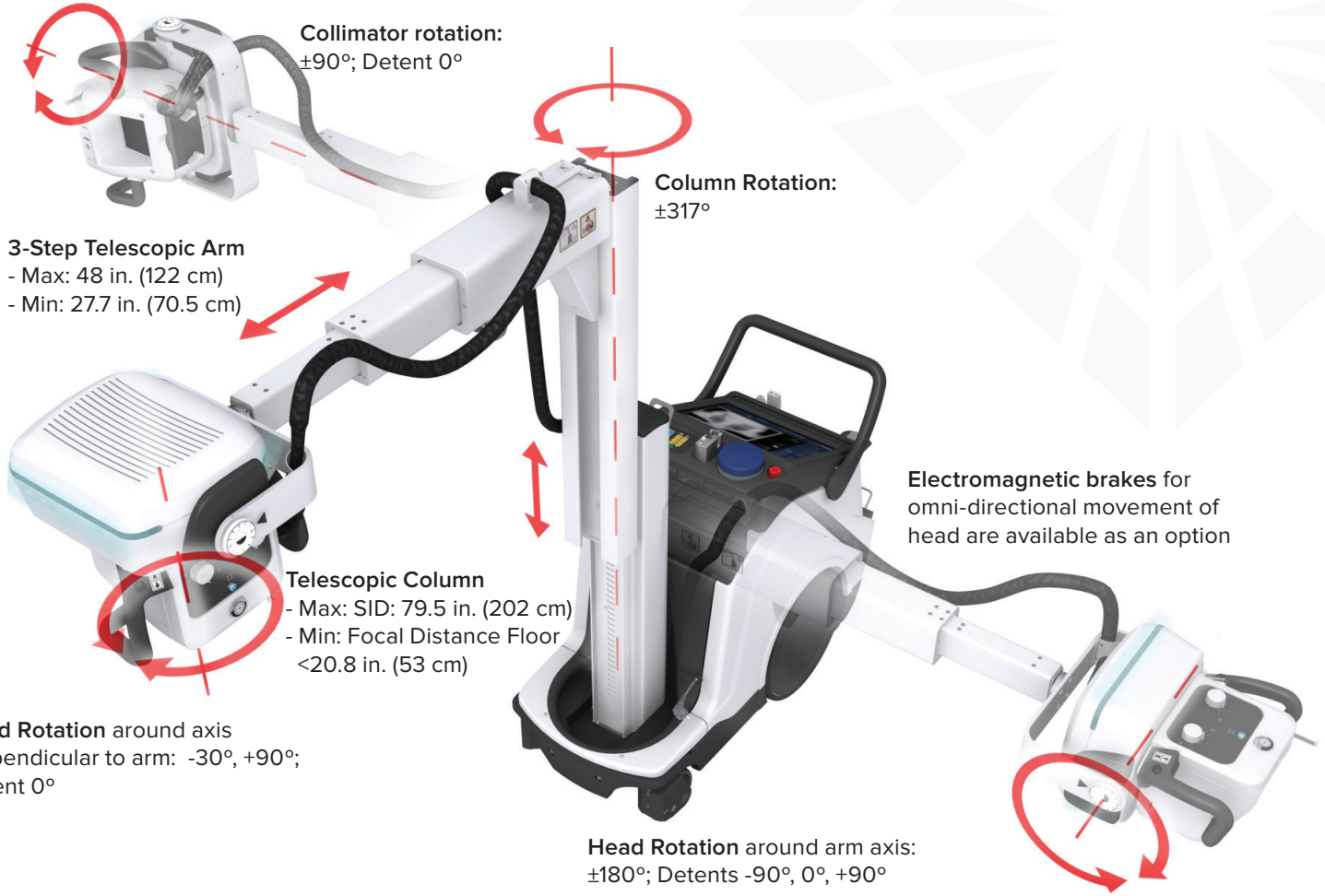
The unit's fully compacted size of 50.7 in. (129 cm) H x 50 in. (127 cm) W x 21.3 in (54 cm) D allows for access and increased maneuverability into confined areas.





Maximum Mobility

Telescopic column designed for advanced visibility



Collimator rotation:
±90°; Detent 0°

Column Rotation:
±317°

3-Step Telescopic Arm
- Max: 48 in. (122 cm)
- Min: 27.7 in. (70.5 cm)

Telescopic Column
- Max: SID: 79.5 in. (202 cm)
- Min: Focal Distance Floor
<20.8 in. (53 cm)

Electromagnetic brakes for
omni-directional movement of
head are available as an option

Head Rotation around axis
perpendicular to arm: -30°, +90°;
Detent 0°

Head Rotation around arm axis:
±180°; Detents -90°, 0°, +90°



Fully Integrated DR

The **Odyssey** comes equipped with our TS Primo DR Advanced Image Processing software with features to streamline processes such as single-screen setup and one-screen registration.

Choose from our 14 x 17 in. or 17 x 17 in. 100 micron Amorphous Silicon (a-Si) TFT CsI (Cesium Iodide) detectors that ensure superior image quality at a lower dose.

Detectors can be charged on board
in the units charging slot.

Optimized Battery Management

OBM (Optimized Battery Management): Extended Battery Life thanks to the Optimized Battery Management.

- Charge Capacity per battery: 15 Ah
- Total energy storage capacity: 5760Wh
- X-Ray Exposure Autonomy: More than 800 exposures (80 kV - 400 mA - 5ms)

Autonomy

- More than 11 hours in stand-by (system ready to work)
- More than 25 km @ 3.4 mph
- Up to 1 km moving the unit once the exposure capacity is exhausted

Charging Time

- In 4 hours, 80% of the charge is available
- In 8 hours, 100% total charge is available
- 20% is charged every hour during the first 4 hours

Exposures can be immediately taken anytime the unit is plugged into a power source.

Advanced Generator Technology

The *Odyssey* features advanced generator technology that is housed in a compact and modular design with the following benefits:

- Constant Potential High-Voltage Generator featuring lower patient dose, shorter exposure times as well as greater accuracy and consistency.
- Monoblock without high voltage cables.
- Minimum "Rise Time & Fall Time in kV" for higher patient protection.
- Controlled by multiple microprocessors which render a higher exposure consistency, efficiency in operation and an extended tube life.
- Independent operation without connection to the mains, except to recharge the batteries.
- Closed loop control of X-ray tube current, kVp and filaments, which minimize potential errors and the need for readjustments.

32 kW GENERATOR, Single Phase

- 150 kVp Range: From 40kVp to 150kVp. In steps of 1kVp
- mA range: From 10 mA to 500 mA in 18 steps, Renard 10 scale
- mAs range: From 0.1mAs to 500mAs in 38 steps, Renard 10 scale.
- Minimum power: 0.4kW (40kVp 10mA)
- Maximum power: 32kW, According to IEC definition IEC (0.1s, 100Kv)

PIONEERS IN RADIOLOGY SINCE 1984

A NETWORK OF SERVICE + SUPPORT

Enjoy all the advantages of our successful service network. From the first shot to the last managed image, we work to continually improve your imaging performance and patient experience.

Summit Industries' successful service network surrounds you with a dynamic team of exceptional experts. Your organization and your patients will benefit from the experience and best practices that only Summit Industries and its authorized dealer network can offer.



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SUMMIT INDUSTRIES, LLC

7555 N. Caldwell Avenue, Niles, Illinois 60714

(p) 773-353-4000 | (p) 1-800-729-9729



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