Introducing the SMART·C™

Experience the Power of Portability
Open up your OR with a mini C-arm that is actually mini and provides the functionality of current models in the market today. Our creative design provides today’s clinicians with flexible options to build a C-arm solution that fits their workspace and imaging needs.

The Smart-C® is designed with the following features:

• Lightweight, cordless, battery-powered system for true portability
• Sophisticated imaging algorithm for improved visualization
• Wireless, high-definition fluoroscopic imaging for radiological use
• Independent articulating arm for optimal positioning
• Ability to conserve space with a compact footprint
• Independent monitor cart that allows for clear field-of-view positioning
• Ability to detach from the articulating arm for independent, tabletop use
Full capability
True portability

Wireless tablet that can be placed directly in your field of vision.

Intuitive imaging software on a touchscreen tablet.

Automatic detection of dense objects and adjustment of contrast and brightness to optimize image.

Carbon fiber frame for durability and strength.

Battery pack is integrated into the slim profile for cordless operation and true portability.

Foldable frame for quick transportation and easy storage.

15x15 cm, high-sensitivity CsI CMOS flat panel detector—thinner than competing mini C-arms—provides easy positioning in tight spaces.

Proprietary X-ray generator with lightweight shielding.

Wireless, compact foot pedal.
Smart-C
Technical Information

DICOM 3.0-compliant and secure via wireless encryption

Imaging specifications:

| Image Receptor               | CsI Scintillator on Complementary Metal Oxide Semiconductor (CMOS) |
| Image Receptor Pixel Array   | 1.5k by 1.5k                                                      |
| Image Receptor Pixel Size    | ~99 µm                                                           |
| Field of View                | Primary collimation: 15 cm by 15 cm                               |
|                             | Secondary collimation: 10 cm diameter                            |

X-Ray Specifications:

| Tube kvp Range               | 40 kVp to 80 kVp                                                  |
| Tube Current Range           | 130 µA to 370 µA                                                  |
| Pulse Rate                   | 10 pulses per second                                             |
| Focal Spot                   | 0.04 mm nominal                                                  |

Weights And Dimensions:

| Source to Detector Distance (SDD) | 45 cm                      |
| Minimum Source to Skin Distance (SSD) | 10 cm                   |
| C-Arm Free Space (Functional SDD) | 34 cm                      |
| C-Arm Depth of Arc             | 31 cm                      |
| Weight                        | C-arm and battery : 7.2 kg                                       |
|                             | Tablet: 1.5 kg                                                    |
|                             | Footswitch: 0.7 kg                                                |

Intended-use statement:

The Turner Imaging Systems’ Smart-C is a mini C-arm X-ray system designed to provide physicians with real-time general fluoroscopic visualization of adult and pediatric patients. It is intended to aid physicians and surgeons during diagnostic procedures, therapeutic treatment or surgical procedures of the limbs, extremities or shoulders, including, but not limited to, orthopedics and emergency medicine. The Smart-C is intended to be used on a table or other hard, flat surface. It may also be used with the optional support stand.

Not yet cleared by the FDA for sale in the USA.

US and foreign patents pending

To learn more about the Smart-C, contact us at:

info@turnerxray.com
Turnerxray.com
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