## **Standout Features**









PORTABILITY

POSITIONING

SURGICAL SUITE



15 cm x 15 cm Detector



Low Dose Mode Pediatric Cleared



DICOM 3.0 Compliant



Up to 8 Hours Cordless Runtime

# High-Definition Imaging Integrated Wireless Tablet

















#### SMART-C® Provider and Patient Dose Comparisons

#### Smart-C Provider Annual Effective Dose (mSv)

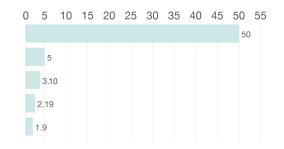
Occupational Dose Limit\*

Occupational Dose Limit Requiring Dosimetry\*\*

Average Natural Background Radiation\*\*\*

Flight Crews Average Occupational Radiation Exposure\*\*\*\*

Smart-C Single User Stray Radiation#



### C-arm Air Kerma Rates @ Patient Entrance (mGy/min)

Fluoroscopy with High Level Control - FDA Limit\*

Fluoroscopy - FDA Limit\*

Typical Exposure Rate from Full Size C-arm\*\*

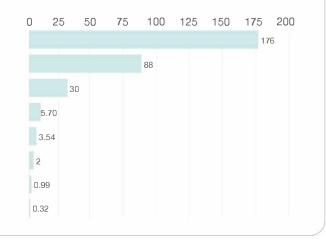
Smart-C Maximum Power (80kV, 370µA)\*\*\*

Smart-C Shoulder Adult (70kV, 310µA)\*\*\*

Smart-C Knee Adult (60kV, 250µA)\*\*\*

Smart-C Wrist Adult (50kV, 190µA)\*\*\*

Smart-C Finger (40kV, 130µA)\*\*\*



<sup>\*</sup> Code of Federal Regulations (21 CFR 1020.32) Fluoroscopic Equipment

<sup>\*\*\*</sup> Possible kV value for adult anatomy





<sup>\*10</sup> CFR § 20.1201 — Occupational dose limits for adults.

<sup>\*\* 10</sup> CFR § 20.1502 Conditions requiring individual monitoring of external and internal occupational dose.

<sup>\*\*\*</sup> NRC.gov "Biological Effects of Radiation"

<sup>\*\*\*\*\*</sup> Lestaevel, P., Huet, C., Lejeune, V., Moreno, C., Villagrasa, C., Feuardent, J., & Trompier, F. (2023). Cosmic radiation exposure of airline crews in France over the period 2015–2019. Radioprotection, 58(4), 317–325. https://doi.org/10.1051/radiopro/2023027

<sup>#</sup> Worst Case (80 kV, 370 µA) @ 0.125 mGy/hr, In Zone of Occupancy @ 40cm above detector 3 minutes of fluoroscopy per day for 300 days per year.

<sup>\*\*</sup> Typical Patient Radiation Doses in Diagnostic Radiology, AAPM/RSNA Physics Tutorial for Residents, pp1296