

# SMART C<sup>®</sup>



SOUND<sup>®</sup> continues to expand veterinary technology with the SMART C Mini C-arm providing unparalleled portable, digital fluoroscopic imaging capabilities at the point of care

### Smart-C<sup>®</sup> System Advantages:

- Battery-powered, lightweight (16lbs.) carbon fiber, cordless C-arm offering true portability
- Sophisticated software algorithms provide exceptional real-time imaging and anatomical clarity
- Wireless Tablet enables ergonomic placement directly in line of sight for enhanced visualization
- Compact hindrance free design allows for use directly on the surgical table/arm board
- Sterile drapes allow both C-arm and Tablet to be used in the surgical field
- Modular system offers flexibility to purchase the accessories you need.
- Independent articulating arm for optimal positioning
- DICOM 3.0-compliant and secure via wireless encryption

### Technical Information

Image Receptor	CsI scintillator on Complementary Metal Oxide Semiconductor (CMOS)
Image Receptor Pixel Array	1.5k x 1.5k
Image Receptor Pixel Size	~99 µm
Field of View	Primary collimation: 15 x 15 cm (6 x 6 in) Secondary collimation: 10 cm (4 in) dia
Tube Voltage Range	40 to 80 kV
Tube Current Range	65 to 370 µA
Pulse Rate	10 pulses per second
Focal Spot	0.04 mm nominal
Tablet Screen	34 cm (13.3 in) diagonal 1920 x 1080 resolution Touchscreen
Live Image	15 cm x 15 cm (6 in x 6 in)
Water Ingress	C-arm: IPX3 (spraying water) Footswitch: IPX8 (immersion)
Source to Detector Distance (SDD)	45 cm (17.7 in)
Minimum Source to Skin Distance (SSD)	10 cm (4.0 in)
C-Arm Free Space (Functional SSD)	34 cm (13.4 in)
C-Arm Depth of Arc	31 cm (12.2 in)
Networking	DICOM 3.0 compliant
Wireless Security	WPA2 encryption
Weights	C-arm and battery: 7.2 kg (16.0 lb) Tablet: 1.5 kg (3.3 lb) Footswitch: 0.7 kg (1.5 lb)

### Monitor cart

Height Adjustment Range	61 to 144 cm (24 to 57 in)
Reach	116 cm (46 in)
Horizontal Travel	218 cm (86 in)
Orbital Arc Rotation	Counterbalanced 180°
Wrist Spin Rotation	Unlimited
Weight	75 kg (165 lb)