

Xerra Specifications	
High Resolution	20 μm to 55 μm isotropic voxels depending on FOV
3D	Reconstruct whole body & large tissue data from white light and fluorescence images
Automated	<p>Leverage built-in, turn-key workflows for image acquisition</p> <ul style="list-style-type: none"> • Obtain automated reconstruction of 2D into 3D • Anatomical, RGB white-light images registered with high sensitivity fluorescence imaging, capable of multiplexing
Simplified	<p>Sample preparation is simple and does not require fixation, perfusion, clearing, or radiolabeling.</p> <ul style="list-style-type: none"> • Sac to image in as little as 4 hours. Frozen samples can be stored for weeks before imaging as long as they are not blocked in OCT • Xerra is compatible with most existing fluorophores • Xerra requires no infrastructure changes for install
Multiplexing	Xerra has 6 excitation lasers ranging from 470 to 780 nm and 7 emission filters ranging from 500 to 850 nm.
Quantification	<p>CFT has advantages for quantification and EMIT Imaging fully characterizes fluorophores and optimizes laser power exposure time, attenuating conditions, and subsurface signal analysis to improve quantification</p> <ul style="list-style-type: none"> • Signal is surface-weighted • Signal is linear
6 Excitation Lasers	470-780 nm
7 Emission Filters	500-850 nm

Record Multiple Exposures	Recording at variable exposure times (5, 50, 500, 1500, 2500 ms)
Optical Field of View	Max: 24 cm x 14 cm Min: 8 cm x 5 cm
Working Volume(s)	FOV A: Pixel - 20 μ m, Block Size - 8x6x4 cm, Sample - Tissue FOV B: Pixel - 30 μ m, Block Size - 10x8x5 cm, Sample - 1 Mouse FOV C: Pixel - 35 μ m, Block Size - 14x11x6 cm, Sample - 3 Mice FOV D: Pixel - 45 μ m, Block Size - 18x14x8 cm, Sample - 4 Mice FOV E: Pixel - 55 μ m, Block Size - 24x14x10 cm, Sample - 5 Mice or 1 Rat
Section Thickness	20 μ m to 50 μ m
Display	Touch Screen
Chamber Temperature	Refrigerated chamber, -20°. Auto defrost functionality
Image Analysis and Quantification	Compatible with Various Software Packages
Data Management	WIFI connectivity or USBA and C data ports