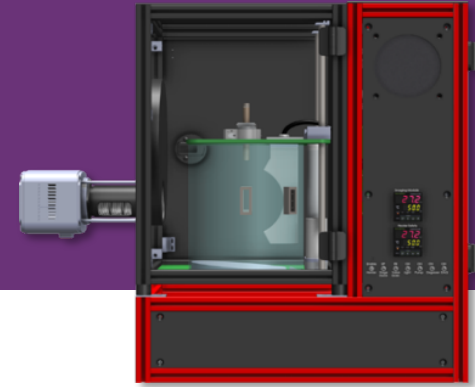


## TriTom

Small Animal Whole Body Photoacoustic  
Fluorescence Tomography (PAFT)



### Specifications & Dimensions

	TriTom PhotoAcoustic Edition	TriTom Standard Edition	TriTom Premium Edition
Photoacoustic Imaging	Yes		
Fluorescence Imaging	No	Yes (NIR Enhanced)	Yes (NIR Enhanced)
Spatial Resolution	0.16 (X,Y), 0.47 (Z)	0.16 (X,Y), 0.47 (Z)	0.16 (X,Y), 0.47 (Z)
Time - Whole-Body Scan	36s (360 angular acquisitions)	36s (720 angular acquisitions)	
Imaging Volume	30 x 30 x 30 mm (per scan)		
Real-time Imaging	No		
System Footprint	55cm x 35cm x 69cm (L x W x H)		
System Dimensions	79cm x 35cm x 69cm (L x W x H)		
Weight	45kg		
Laser	OPO		
Laser Wavelengths <i>* optional upgrade</i>	532 nm, 660-1064 nm, 1064-2300 nm*	532 nm, 660-1064 nm, 1064-2300 nm*	470-659 nm, 660-1064 nm, 1064-1300 nm*
Fast Wavelength Tuning	Yes		
Laser Pulse Energy	>150 mJ (@700 nm)		
Laser Pulse Rate	10Hz	20Hz	
Photoacoustic Transducer Array	96ch arc Central frequency: 6 MHz BW ≥ 55% (transmit/receive) omnidirectional		
Data Acquisition	256ch parallel, 200 fps, 40 MHz sampling, USB 3.0 PnP interface, 46-91 dB tunable amp		
Fully Integrated Software	Yes		