

TriTom PhotoAcoustic Edition

Item	Quantity	Contents	Quantity	Description	Notes/Specifications
Crate 1	1	TriTom PA Edition Laser Source	1	Laser Source	<p><b>OPO laser source with the following specs</b></p> <p>Pulse repetition frequency: 10 Hz            Pulse width: 3-5 ns            Integrated pulse energy meter: YES            Deep tissue imaging range (tunable): 660-1064 nm            Extended imaging range (tunable): Optional, 1064-1300 nm            Pulse energy (deep tissue imaging): &gt; 150 mJ @ 700 nm            Fast Wavelength Switching (deep tissue imaging): YES            Fast Wavelength Switching (extended imaging range): N/A            Skin imaging (not tunable): 532 nm, separate output            Pulse energy (skin imaging): &gt; 5 mJ            Fast Wavelength Switching (skin imaging): N/A</p>
Crate 2	1	TriTom PA Edition Imaging Platform, components and accessories	1	3D Imaging Platform	<p><b>TriTom Imaging Platform with the following specs</b></p> <p>PhotoAcoustic 3D Imaging Channel: YES, deep-tissue imaging, skin imaging, &gt; 30,000 detection points per scan            Spatial resolution (mm): 0.16 x 0.16 x 0.47            Fluorescence 2D/3D Imaging Channel: N/A            Imaging Volume (single scan, mm): 30 x 30 x 30            Single scan time: 36 sec            Whole body imaging (mouse): YES, stack of 3D scans            Multiwavelength imaging: YES, single scan            Subject observation: YES, video camera            Software Suite: YES, integrated laser, acquisition &amp; scan controls, image reconstruction            Image visualization &amp; analysis: 3D Slicer            Raw data format: PA - mat; Vis - raw, tif, mp4            3D image data format: PA - mat, vtk; Vis - N/A            Integrated gas anesthesia line: YES, accomodates 1/4" or 7 mm ID gas anesthesia tubing            Gas anesthesia unit: Optional            Temperature controlled/heated imaging chamber: YES</p>
			2	Imaging Monitor	2k monitor
			1	Control Station	Nvidia GPU image reconstruction, high-performance SSD, MS Windows 10, keyboard, mouse
			1	Fiberoptic Bundle	2-in-4-out, skin & deep tissue excitation
			1	Resolution Test Phantom	Quick fix, tests 3D resolution
			1	Contrast agent cuvette holder	Quick fix, up to 10 cylindrical cuvettes
			10	Contrast agent microcuvettes	50 µl samples, PTFE tubes, ID 0.8 mm, wall thickness 0.05 mm
			2	Mouse restrainer	Enabled for gas anesthesia, Body imaging - 1, Head imaging - 1
			2	Fill/Drain container	includes connecting tubings

TriTom Standard Edition

Item	Quantity	Contents	Quantity	Description	Notes/Specifications
Crate 1	1	TriTom Standard Edition Laser Source	1	Laser Source	<p><b>OPO laser source with the following specs</b></p> <p>Pulse repetition frequency: 10 Hz            Pulse width: 3-5 ns            Integrated pulse energy meter: YES            Deep tissue imaging range (tunable): 660-1064 nm            Extended imaging range (tunable): Optional, 1064-1300 nm            Pulse energy (deep tissue imaging): &gt;150 mJ @ 700 nm            Fast Wavelength Switching (deep tissue imaging): YES            Fast Wavelength Switching (extended imaging range): N/A            Skin imaging (not tunable): 532 nm, separate output            Pulse energy (skin imaging): &gt;5 mJ            Fast Wavelength Switching (skin imaging): N/A</p>
Crate 2	1	TriTom Standard Edition Imaging Platform, components and accessories	1	3D Imaging Platform	<p><b>TriTom Imaging Platform with the following specs</b></p> <p>PhotoAcoustic 3D Imaging Channel: YES, deep-tissue imaging, skin imaging, &gt;30,000 detection points per scan            Spatial resolution (mm): 0.16 x 0.16 x 0.47            Fluorescence 2D/3D Imaging Channel: YES, narrow band laser excitation at 532 nm, or 660-850 nm range            Imaging Volume (single scan, mm): 30 x 30 x 30            Single scan time: 36 sec            Whole body imaging (mouse): YES, stack of 3D scans            Multiwavelength imaging: YES, single scan            Subject observation: YES, sCMOS camera            Software Suite: YES, integrated laser, acquisition &amp; scan controls, image reconstruction            Image visualization &amp; analysis: 3D Slicer            Raw data format: PA - mat; Vis/FL - raw, tif, mp4            Image data format: PA/FL - mat, vtk; Vis - N/A            Integrated gas anesthesia line: YES, accommodates 1/4" or 7 mm ID gas anesthesia tubing            Gas anesthesia unit: Optional            Temperature controlled/heated imaging chamber: YES</p>
			2	Imaging Monitor	2k monitor
			1	Control Station	Nvidia GPU image reconstruction, high-performance SSD, MS Windows 10, keyboard, mouse
			1	Fileroptic Bundle	2-in-4-out, skin & deep tissue excitation
			1	Resolution Test Phantom	Quick fix, tests 3D resolution
			1	Contrast agent cuvette holder	Quick fix, up to 10 cylindrical cuvettes
			10	Contrast agent microcuvettes	50 µl samples, PTFE tubes, ID 0.8 mm, wall thickness 0.05 mm
			2	Mouse restrainer	Enabled for gas anesthesia, Body imaging - 1, Head imaging - 1
			2	Fill/Drain container	includes connecting tubings

TriTom Premium Edition

Item	Quantity	Contents	Quantity	Description	Notes/Specifications
Crate 1	1	TriTom Premium Edition Laser Source	1	Laser Source	<p><b>OPO laser source with the following specs</b></p> <p>Pulse repetition frequency: 20 Hz            Pulse width: 3-5 ns            Integrated pulse energy meter: YES            Deep tissue imaging range (tunable): 660-1064 nm            Extended imaging range (tunable): Optional, 1064-1300 nm            Pulse energy (deep tissue imaging): &gt;120 mJ @ 700 nm            Fast Wavelength Switching (deep tissue imaging): YES            Fast Wavelength Switching (extended imaging range): N/A            Skin imaging (tunable): 470-659 nm            Pulse energy (skin imaging): &gt;5 mJ            Fast Wavelength Switching (skin imaging): YES</p>
Crate 2	1	TriTom Premium Edition Imaging Platform, components and accessories	1	3D Imaging Platform	<p><b>TriTom Imaging Platform with the following specs</b></p> <p>PhotoAcoustic 3D Imaging Channel: YES, deep-tissue imaging, skin imaging, &gt;30,000 detection points per scan            Spatial resolution (mm): 0.16 x 0.16 x 0.47            Fluorescence 2D/3D Imaging Channel: YES, narrow band laser excitation at 470-850 nm range            Imaging Volume (single scan, mm): 30 x 30 x 30            Single scan time: 36 sec            Whole body imaging (mouse): YES, stack of 3D scans            Multiwavelength imaging: YES, single scan            Subject observation: YES, sCMOS camera with enhanced QE            Software Suite: YES, integrated laser, acquisition &amp; scan controls, image reconstruction            Image visualization &amp; analysis: 3D Slicer            Raw data format: PA - mat; Vis/FL - raw, tif, mp4            Image data format: PA/FL - mat, vtk; Vis - N/A            Integrated gas anesthesia line: YES, accomodates 1/4" or 7 mm ID gas anesthesia tubing            Gas anesthesia unit: Optional            Temperature controlled/heated imaging chamber: YES</p>
			2	Imaging Monitor	2k monitor
			1	Control Station	Nvidia GPU image reconstruction, high-performance SSD, MS Windows 10, keyboard, mouse
			1	Filberoptic Bundle	1-in-4-out, skin & deep tissue excitation
			1	Resolution Test Phantom	Quick fix, tests 3D resolution
			1	Contrast agent cuvette holder	Quick fix, up to 10 cylindrical cuvettes
			10	Contrast agent microcuvettes	50 µl samples, PTFE tubes, ID 0.8 mm, wall thickness 0.05 mm
			2	Mouse restrainer	Enabled for gas anesthesia, Body imaging - 1, Head imaging - 1
			2	Fill/Drain container	includes connecting tubings