

Newton 7.0 FT-500

in vivo fluorescence & bioluminescence imaging

PRODUCT SPECIFICATION



Newton 7.0 FT-500

<p>Camera & Optics</p>	<p>Scientific grade 16-bit CCD camera Grade 0, 400-900nm / 4.8 O.D. -90°C delta cooling f/0.70 motorized lens aperature Image resolution: 10 megapixels Native resolution: 2170x2160 Peak Quantum Efficiency: 80% FOV minimum: 6x6cm (macro imaging) FOV maximum: 20x20cm (5 animal capacity)</p>
<p>Illumination</p>	<p>8 excitation channels: 420nm – 480nm – 520nm – 580nm 640nm – 680nm – 740nm – 780nm 10-position motorized filter wheel 8 narrow bandpass emission filters: 500nm – 550nm – 600nm – 650nm 700nm – 750nm – 800nm – 850nm</p>
<p>Hardware Capabilities</p>	<p>Intelligent Darkroom concept Fully automatic system:</p> <ul style="list-style-type: none"> • Motorized optical lens • Z-axis motorized camera • X/Y-axis motorized sample stage
<p>Animal Management</p>	<p>Integrated inhaled gas anesthesia system Heated mouse/rat pad Animal breather for up to 5 mice Waste gas scavenger</p>