



FEATURES	NEWTON 7.0 BT100	NEWTON 7.0 BT500	NEWTON 7.0 FT100	NEWTON 7.0 FT500
MODALITY				
OPTICS	<ul style="list-style-type: none"> > In vivo / In vitro Optical imaging platform > Bioluminescence detection > 3D Optical Tomography 	<ul style="list-style-type: none"> > In vivo / In vitro Optical imaging platform > Bioluminescence detection > 3D Optical Tomography 	<ul style="list-style-type: none"> > In vivo / In vitro Optical imaging platform > Bioluminescence detection > Fluorescence detection > 3D Optical Tomography 	<ul style="list-style-type: none"> > In vivo / In vitro Optical imaging platform > Bioluminescence detection > Fluorescence detection > 3D Optical Tomography
EXCITATION	<ul style="list-style-type: none"> Camera <ul style="list-style-type: none"> > 16-bit Scientific Grade CCD Camera > Grade 0 / 400-900nm / 4.8 OD > Cooling: -90°C Delta Lens <ul style="list-style-type: none"> > Proprietary V.070 - Fixed Focal Length Motorized lens > Aperture: f0.70 Resolution <ul style="list-style-type: none"> > Resolution: 2160x2160 > Monochrome & Color imaging Field of View <ul style="list-style-type: none"> > 1 or 3 animals capacity > FOV Min: 12x12cm > FOV Max: 12x12cm > 3D imaging mode via 3D-IR cameras 	<ul style="list-style-type: none"> Camera <ul style="list-style-type: none"> > 16-bit Scientific Grade CCD Camera > Grade 0 / 400-900nm / 4.8 OD > Cooling: -90°C Delta Lens <ul style="list-style-type: none"> > Proprietary V.070 - Fixed Focal Length Motorized lens > Aperture: f0.72 Resolution <ul style="list-style-type: none"> > Resolution: 2160x2160 > Monochrome & Color imaging Field of View <ul style="list-style-type: none"> > 5 animals capacity > FOV Min: 6x6cm > FOV Max: 20x20cm > Macro imaging mode > 3D imaging mode via 3D-IR cameras 	<ul style="list-style-type: none"> Camera <ul style="list-style-type: none"> > 16-bit Scientific Grade CCD Camera > Grade 0 / 400-900nm / 4.8 OD > Cooling: -90°C Delta Lens <ul style="list-style-type: none"> > Proprietary V.070 - Fixed Focal Length Motorized lens > Aperture: f0.73 Resolution <ul style="list-style-type: none"> > Resolution: 2160x2160 > Monochrome & Color imaging Field of View <ul style="list-style-type: none"> > 1 or 3 animals capacity > FOV Min: 12x12cm > FOV Max: 12x12cm > 3D imaging mode via 3D-IR cameras 	<ul style="list-style-type: none"> Camera <ul style="list-style-type: none"> > 16-bit Scientific Grade CCD Camera > Grade 0 / 400-900nm / 4.8 OD > Cooling: -90°C Delta Lens <ul style="list-style-type: none"> > Proprietary V.070 - Fixed Focal Length Motorized lens > Aperture: f0.70 Resolution <ul style="list-style-type: none"> > Resolution: 2160x2160 > Monochrome & Color imaging Field of View <ul style="list-style-type: none"> > 5 animals capacity > FOV Min: 6x6cm > FOV Max: 20x20cm > Macro imaging mode > 3D imaging mode via 3D-IR cameras
EMISSION	<ul style="list-style-type: none"> White-Light <ul style="list-style-type: none"> > Dual EPI-White light LED panels Fluorescence excitation <ul style="list-style-type: none"> > Upgradeable to Fluorescence 	<ul style="list-style-type: none"> White-Light <ul style="list-style-type: none"> > Dual EPI-White light LED panels Fluorescence excitation <ul style="list-style-type: none"> > Upgradeable to Fluorescence 	<ul style="list-style-type: none"> White-Light <ul style="list-style-type: none"> > Dual EPI-White light LED panels Fluorescence excitation <ul style="list-style-type: none"> > 8 Fluorescent channels included 420 / 480 / 520 / 580 / 640 / 680 / 740 / 780nm 	<ul style="list-style-type: none"> White-Light <ul style="list-style-type: none"> > Dual EPI-White light LED panels Fluorescence excitation <ul style="list-style-type: none"> > 8 Fluorescent channels included 420 / 480 / 520 / 580 / 640 / 680 / 740 / 780nm
DARK ROOM	<ul style="list-style-type: none"> Filter wheel <ul style="list-style-type: none"> > 11-position Motorized filter wheel Emission filters <ul style="list-style-type: none"> > 4 Narrow Band-pass filters included for the BLI Tomography 500 / 550 / 600 / 650nm 	<ul style="list-style-type: none"> Filter wheel <ul style="list-style-type: none"> > 11-position Motorized filter wheel Emission filters <ul style="list-style-type: none"> > 4 Narrow Band-pass filters included for the BLI Tomography 500 / 550 / 600 / 650nm 	<ul style="list-style-type: none"> Filter wheel <ul style="list-style-type: none"> > 11-position Motorized filter wheel Emission filters <ul style="list-style-type: none"> > 8 Narrow Band-pass filters included 500 / 550 / 600 / 650 / 700 / 750 / 800 / 850nm 	<ul style="list-style-type: none"> Filter wheel <ul style="list-style-type: none"> > 11-position Motorized filter wheel Emission filters <ul style="list-style-type: none"> > 8 Narrow Band-pass filters included 500 / 550 / 600 / 650 / 700 / 750 / 800 / 850nm
ANIMALS HANDLING	<ul style="list-style-type: none"> Motorisation <ul style="list-style-type: none"> > Fixed Camera > Fixed Animal Stage 	<ul style="list-style-type: none"> Motorisation <ul style="list-style-type: none"> > Z-Axis motorized camera > XY-Axis motorized Animal Stage 	<ul style="list-style-type: none"> Motorisation <ul style="list-style-type: none"> > Fixed Camera > Fixed Animal Stage 	<ul style="list-style-type: none"> Motorisation <ul style="list-style-type: none"> > Z-Axis motorized camera > XY-Axis motorized Animal Stage
	<ul style="list-style-type: none"> > Heated Mouse Bed (+37°C) included > Animal breathers included 	<ul style="list-style-type: none"> > Heated Mouse Bed (+37°C) included > Animal breathers included 	<ul style="list-style-type: none"> > Heated Mouse Bed (+37°C) included > Animal breathers included 	<ul style="list-style-type: none"> > Heated Mouse Bed (+37°C) included > Animal breathers included