Performance comparison

Data Size	130 Mb / 63 Gb / 300 Gb	130 Mb / 63 Gb / 300 Gb	130 Mb / 63 Gb / 300 Gb	130 Mb / 63 Gb / 300 Gb	130 Mb / 63 Gb / 300 Gb	1.67 Tb
Software	**Illumination Selection**	**Stitching** (requires Illumination Selection)	**ICP refinement**	**Fusion** 8x down-sampling full resolution (requires Illumination Selection)	**Virtual Fusion @ full resolution**	**Multi-view Registration**
BigStitcher	n.a. / 9 s / 14 s	4 s / 1 min 28 s / 7 min 15 s	9 s / 57 s / 2 min 52 s	1 s / 9 s / 44 s 8 s / 1 h 19 min / 8 h 43 min	1 s / 15 s / 19 s	6 min 30 s
TeraStitcher	X	16 s / 34 min 43 s / 2 h 29 min	X	1 min 15 s / 14 min 24 s* / 1 h 4* 2 min 29 s / 26 min 41 s* / 2 h 35 min*	X	X
ImageJ Stitcher	X	10 s / 61 min / 5 h 35 min	X	X / X / X 16 s / 10 h 36 min* / 44 h 40 min*	X	X
Xuv Tools	X	2 s / X / X	X	X / X / X 9 s / X / X	X	X
Arivis	X	27 s / 47 h 15 min / 7 d 4 h*	X	X / X / X 2 s / 5 min* / 51 min*	X	X

BigStitcher benchmark for processing a terabyte-sized multi-view dataset

Data Size	1.67 Tb					
Software	**Illumination Selection**	**Stitching**	**ICP refinement**	**Fusion** @ 4x downsampling	**Virtual Fusion** @ full res. (display / save)	**Multi-view Registration**
BigStitcher	59 s	1h 14 min	7 min 28 s	1 h 1 min	56 s / 23 h 50 min*	6 min 30 s