

Single-scan volumetric imaging throughout thick tissue specimens by one-touch installable light-needle creating device

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Supplementary Figure

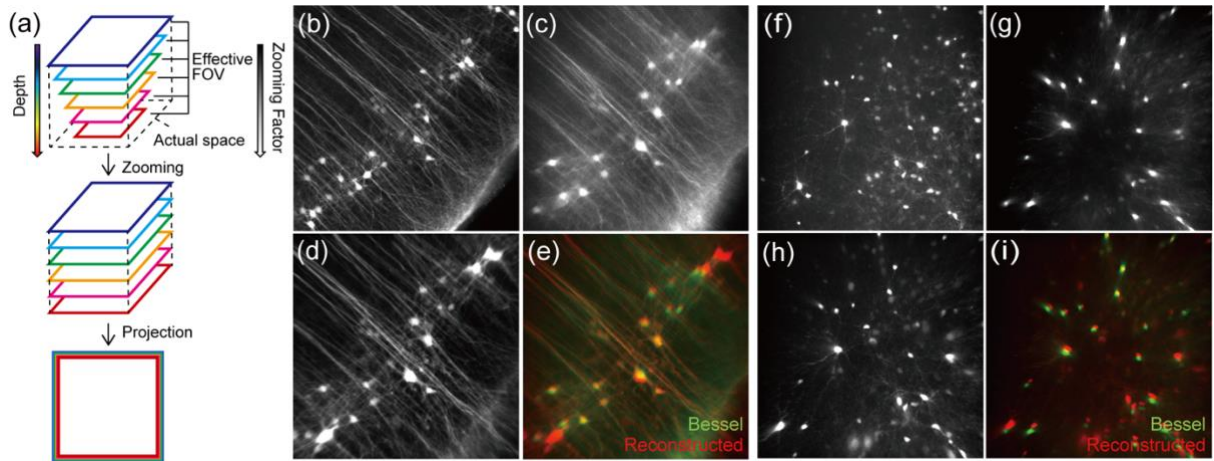


Fig. S1. Comparison between z-stacked Gaussian beam scanned image, Bessel beam scanned image and reconstructed Gaussian beam scanned image based on the function about the zooming factor. (a) A schematic illustration of an acquired Bessel-beam scanned image by using the light-needle creating device. (b) Average intensity projection image of z-stack Gaussian from Fig. 3b. (c) A xy image of Bessel beam image from Fig. 3c. (d) Reconstructed average intensity projection of z-stacked Gaussian from Fig. 3b. (e) Merged image of reconstructed Gaussian image (Red) and Bessel beam image (green). (f) Average intensity

projection image of z-stack Gaussian from Fig. 4c-left. (g) Average intensity projection rendered from time-lapse Bessel beam imaging data from Fig. 4-right. (h) Reconstructed average intensity projection of z-stacked Gaussian from Fig. 4c-right. (i) Merged image of reconstructed Gaussian image (Red) and Bessel beam image (green).