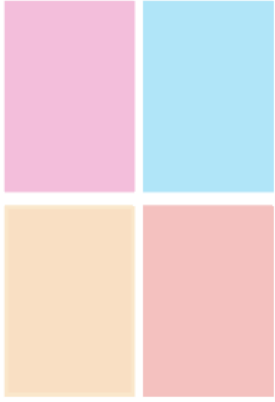

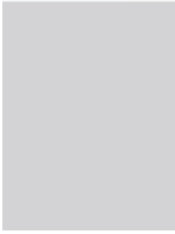

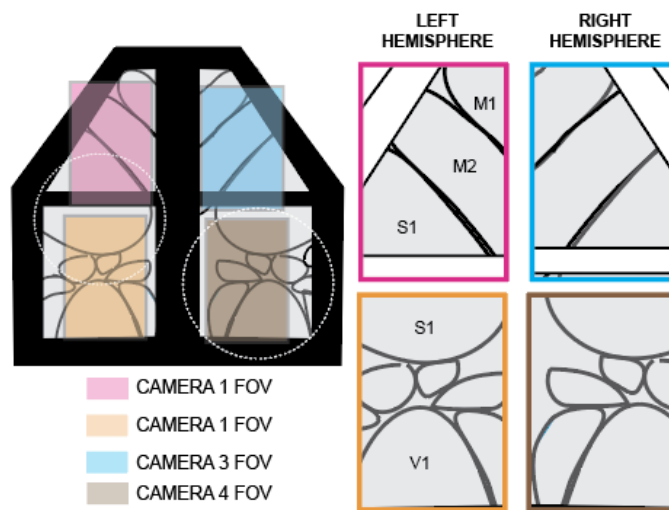


SUPPLEMENTARY FIGURE

	This work mini-MCAM	Zhang et al Biorxiv 2023 SOMM	Scherrer et al Nat Meth 2023 Kiloscope	Guo et al Sci Adv 2023 LFOV MINISCOPE
Field of view	 4x 4 x 2.7 mm	 3.6 x 3.6 mm	 4.8 x 3.6 mm	 3.6 x 2.7 mm
Weight	4.1 g	2.5 g	1.4 g	13.9 g



SUPPLEMENTARY FIGURE 1: Comparison of the mini-MCAM cumulative FOV to existing large FOV miniaturized microscopes^{1,2,3}.

SUPPLEMENTARY REFERENCES:

1. Zhang, Y. *et al.* A Systematically Optimized Miniaturized Mesoscope (SOMM) for large-scale calcium imaging in freely moving mice. *bioRxiv* (2024) doi:10.1101/2024.02.19.581043.

2. Scherrer, J. R., Lynch, G. F., Zhang, J. J. & Fee, M. S. An optical design enabling lightweight and large field-of-view head-mounted microscopes. *Nat. Methods* **20**, 546–549 (2023).
3. Guo, C. *et al.* Miniscope-LFOV: A large-field-of-view, single-cell-resolution, miniature microscope for wired and wire-free imaging of neural dynamics in freely behaving animals. *Sci. Adv.* **9**, eadg3918 (2023).