

# High-resolution additive light field near-eye display by switchable Pancharatnam–Berry phase lenses: errata

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**Abstract:** We correct a typo in the system parameter. The size of monocular eyebox is corrected to be 16mm (W) by 16mm (H).

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After the manuscript was published [1], we found a typo in the system parameter. The parameters of the prototype system should be corrected as follows (Table 1).

**Table 1. Parameters of the prototype system**

Specifications	Values
Size of fabricated PBLs	25mm (W) by 25mm (H)
Optical power of PBLs ( $K_1$ , $K_2$ )	$\pm 1.5D$ , $\pm 0.5D$
Combined optical power of PBLs	0D, 0.5D, 1D, 1.5D
Response time of PBLs	0.54ms
Number of virtual panels	4
Optical power of refractive lens	10D
Optical power tunable range	[0, 1.5D]
Size of monocular eyebox	16mm (W) by 16mm (H)
Refresh rate of LCD	240Hz
Refresh rate of 3D scenes	60Hz
Pixel Pitch of LCD	0.283mm
Field of view for 3D images in prototype	$\pm 40^\circ$ in horizontal direction $\pm 40^\circ$ in vertical direction

The size of monocular eyebox is revised to 16mm (W) by 16mm (H) from the previous value of 1.6mm (W) by 1.6mm (H). All conclusions discussed in the manuscript remain unaltered by this correction.

## References

1. T. Zhan, Y. H. Lee, and S. T. Wu, “High-resolution additive light field near-eye display by switchable Pancharatnam–Berry phase lenses,” *Opt. Express* **26**(4), 4863–4872 (2018).