What is claimed is:

1. An ophthalmic lens for a myopic eye comprising:

a base lens with a focal power to correct, at least in part, the refractive error of the eye; and

at least one micro lenslet array comprising at least one micro lenslet;

wherein the combination of the base lens and the at least one micro lenslet array is configured such that the base lens provides an in focus signal at a first wavelength within a macular region of the retina and the at least one micro lenslet array provides an out of focus signal at the first wavelength and an in focus signal at a second wavelength different from the first wavelength within the macular region of the retina,

wherein the at least one micro lenslet array introduces a conflicting optical signal at a wavelength corresponding to a peak sensitivity of one or more L or M cone receptors of a retina of the eye.

2. The ophthalmic lens of claim 1, wherein the ophthalmic lens is a spectacle lens.

3. The ophthalmic lens of one or more of claims 1-2, wherein the first wavelength is about 590 nm and the second wavelength is about 510nm.

4. The ophthalmic lens of one or more of claims 1-2, wherein the first wavelength is about 510 nm and the second wavelength is about 590nm.

5. The ophthalmic lens of one or more of claims 1-2, wherein the at least one micro lenslet array provides an out of focus signal for a first wavelength in the region from approximately 510 nm to 550 nm and an in focus signal for a second wavelength in the region from approximately 555 nm to 610 nm.

6. The ophthalmic lens of one or more of claims 1-2, wherein the at least micro lenslet array would provide an out of focus signal for a first wavelength in the region from approximately 555 nm to 610 nm and an in focus signal for a second wavelength in the region from approximately 510 nm to 550 nm.

7. An ophthalmic lens of one or more of claims 1-6, wherein the at least one micro lenslet has an area 450,000 μm^2 or less.

8. The ophthalmic lens of one or more of claims 1-7, wherein the at least one micro lenslet has an area of less than 0.2 mm^2, 0.25 mm^2 or 0.3 mm^2.

9. The ophthalmic lens of one or more of claims 1-8, wherein the at least one micro lenslet of the at least one micro lenslet array has a diameter 750 µm or less.

10. The ophthalmic lens of one or more of claims 1-9, wherein the at least one micro lenslet has a diameter less than 400 µm, 500 µm or 600 µm.

11. The ophthalmic lens of one or more of claims 1-10, wherein the at least one micro lenslet array has a fill ratio of 20% or less.

12. The ophthalmic lens of one or more of claims 1-11, wherein the at least one micro lenslet array has a pupil fill ratio of 20% or less.

13. The ophthalmic lens of one or more of claims 1-12, wherein the at least one micro lenslet of the at least one micro lenslet array has a focal length between 500 mm and 2000 mm.

14. The ophthalmic lens of one or more of claims 1-13, wherein the at least one micro lenslet of the at least one micro lenslet array has a focal length greater than 1000 mm.

15. The ophthalmic lens of one or more of claims 1-14, wherein the micro lenslet array comprises a plurality of micro lenslets with a center-to-center distance of less than 1 mm.

16. The ophthalmic lens of one or more of claims 1-15, wherein the micro lenslet array is on the anterior surface of the ophthalmic lens.

17. The ophthalmic lens of one or more of claims 1-16, wherein the micro lenslet array is on the posterior surface of the ophthalmic lens.

18. The ophthalmic lens of one or more of claims 1-17, wherein the micro lenslet array is embedded in the matrix of the base lens.

19. The ophthalmic lens of one or more of claims 1-18, wherein the ophthalmic lens is comprised of 1, 2, 3 or 4 layers.

20. The ophthalmic lens of one or more of claims 1-19, wherein the base lens is comprised of 1, 2, 3 or 4 layers.

21. The ophthalmic lens of one or more of claims 1-20, wherein the at least one micro lenslet has one or more of the following shapes: circular, semi-circular, non-circular, oval, triangular, rectangular, pentagonal, hexagonal and square.

22. The ophthalmic lens of one or more claims 1-21, wherein the at least one micro lenslet is produced through local manipulation of refractive index in the matrix of the base material.