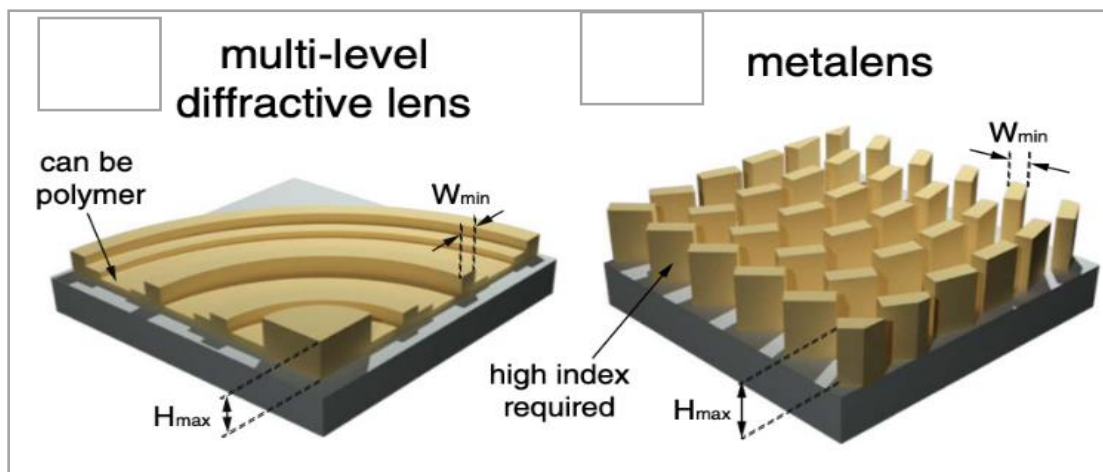
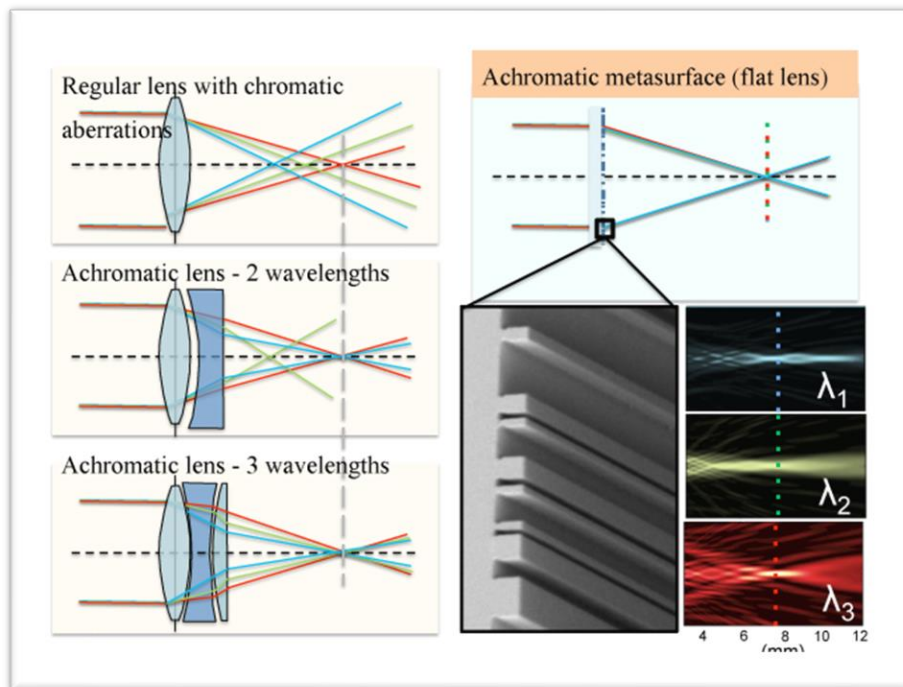


# FLAT LENSES

Typical lenses suffer from a number of limitations. NRL is currently making the largest flat lenses in the world and developing a true achromatic flat lens.

**IMPACT:** Success will allow a dramatic reduction in Size, Weight and Power (SWaP) for many future remote sensing platforms. Complex optical systems will be able to be simplified to a single flat element. Flat lenses will also provide the ability to manipulate both the phase and amplitude of incoming radiation allowing completely new optical components such as ultra-wide band imaging systems and phase masks that can dramatically improve imaging capabilities.



Distribution Statement A: Approved for public release. Distribution is unlimited.