

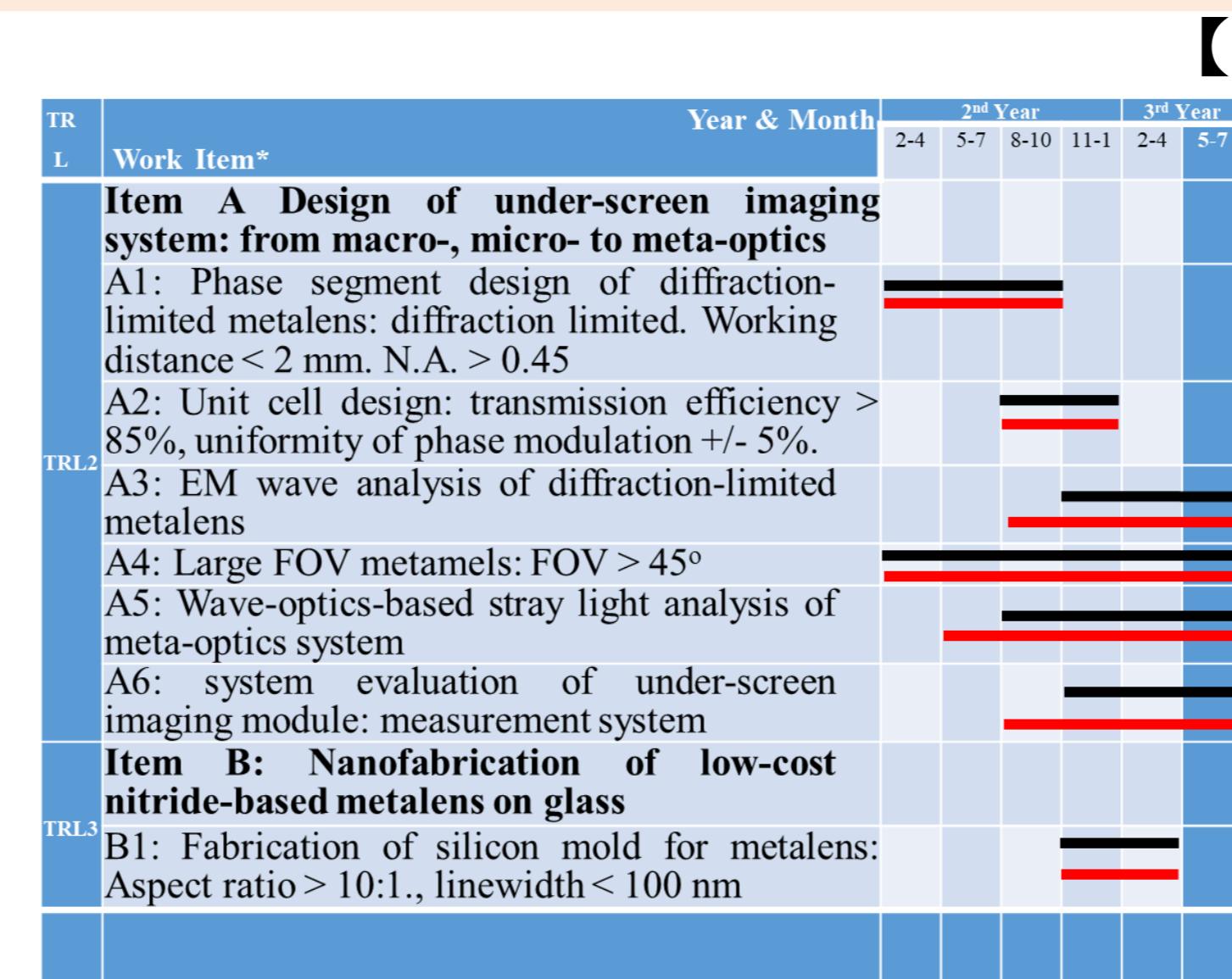
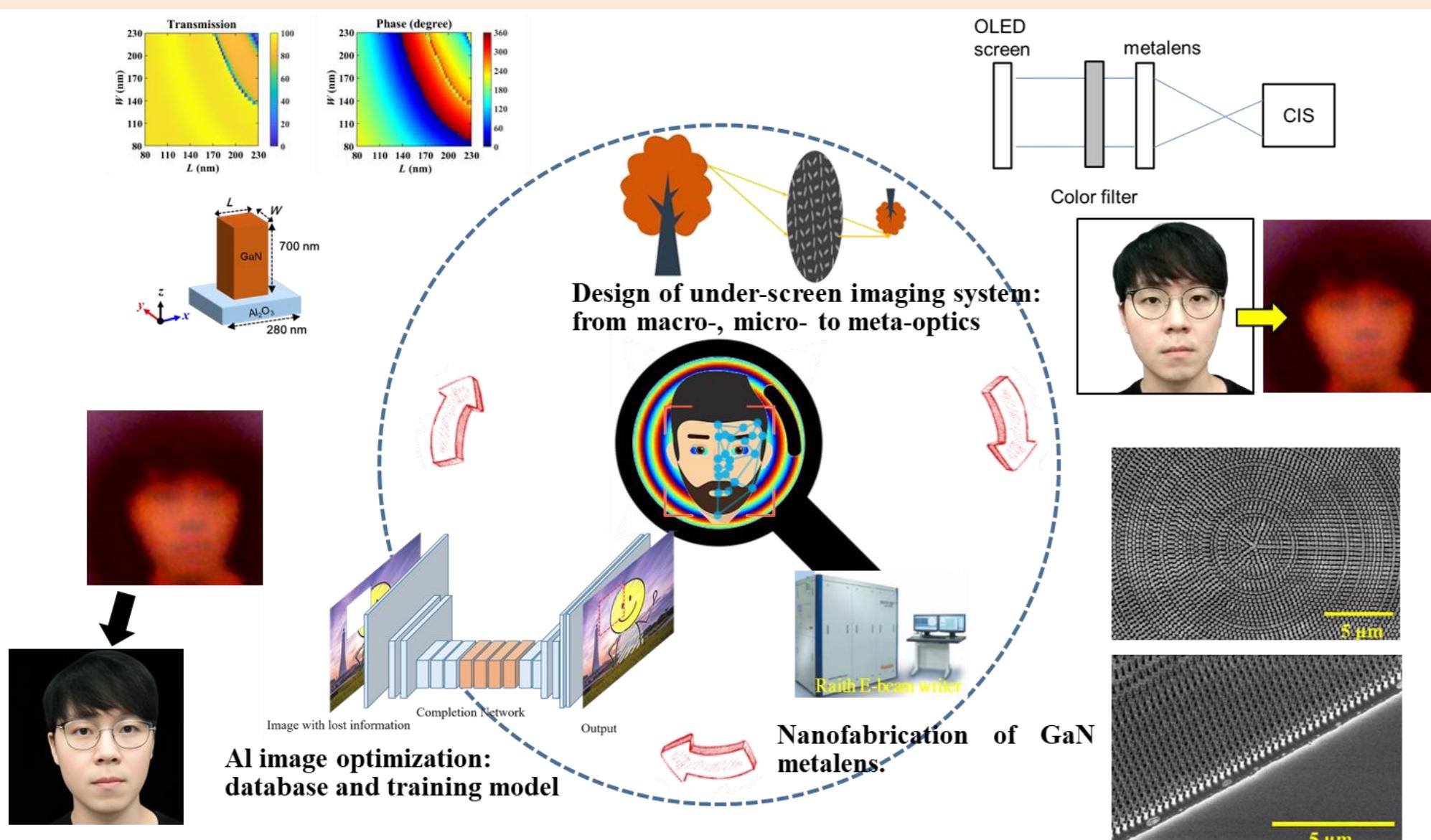
# 人工智慧影像優化之屏下顯示超穎光學系統 III



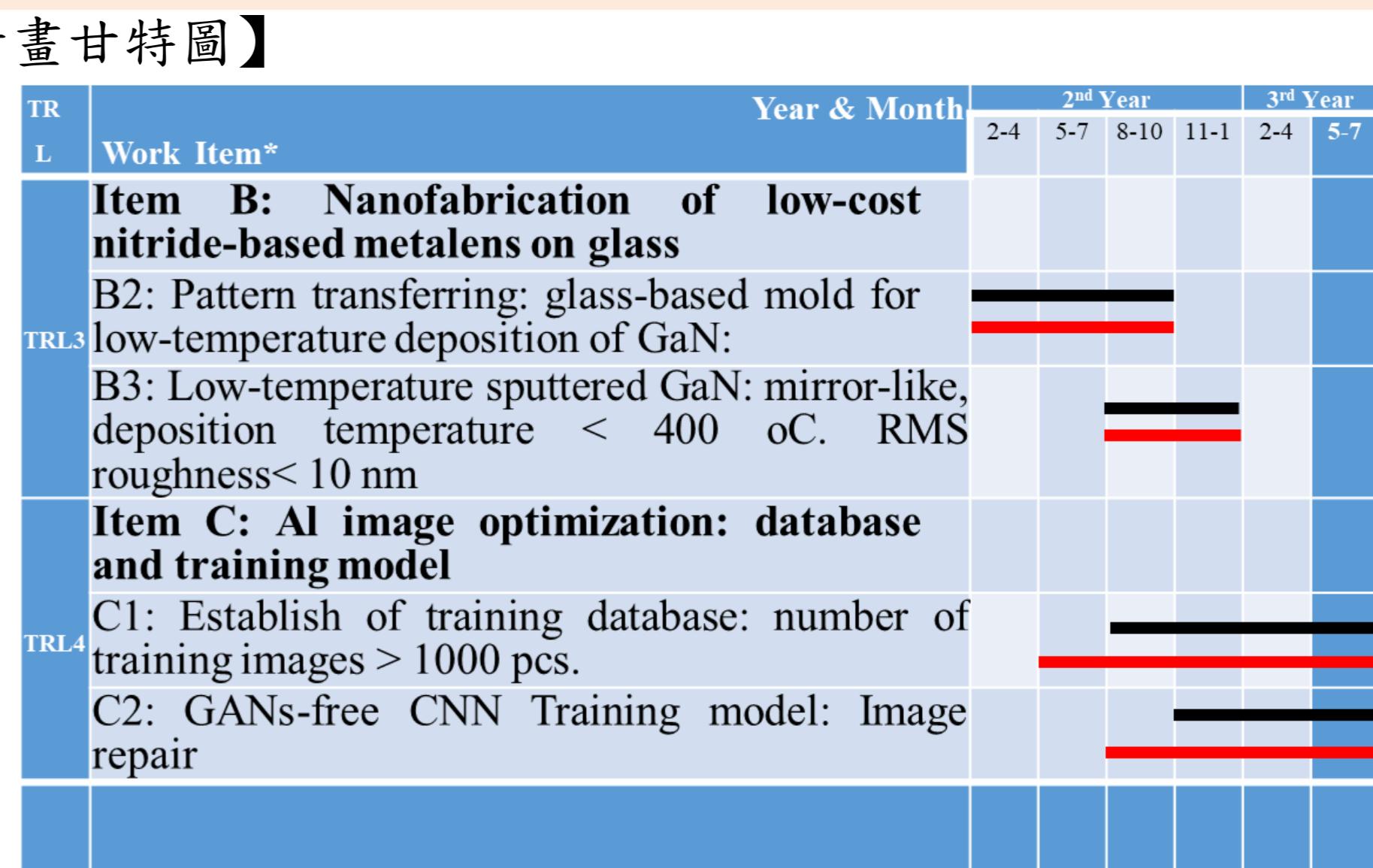
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Department of Optics and Photonics, National Central University, Chungli, TAIWAN,  
E-mail: cmwang@cc.ncu.edu.tw



## 【Target and progress】

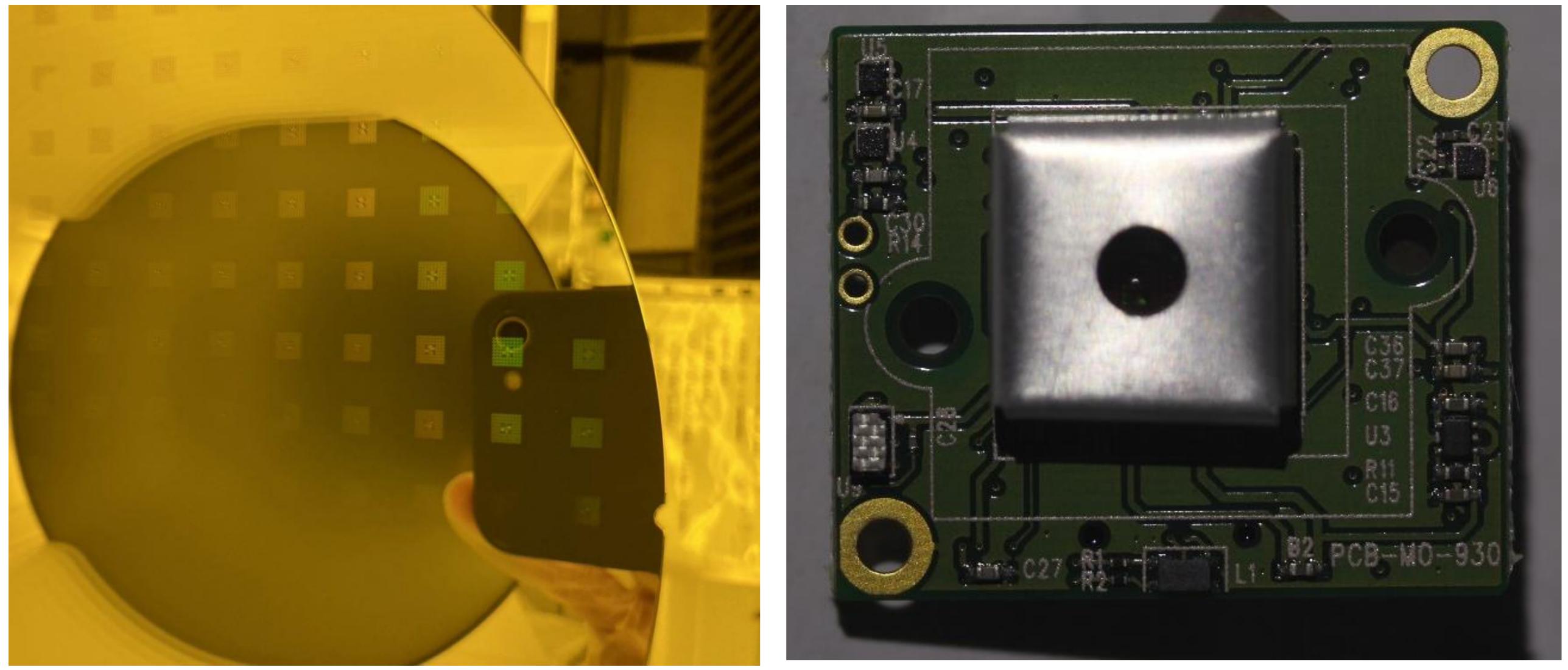


【計畫甘特圖】



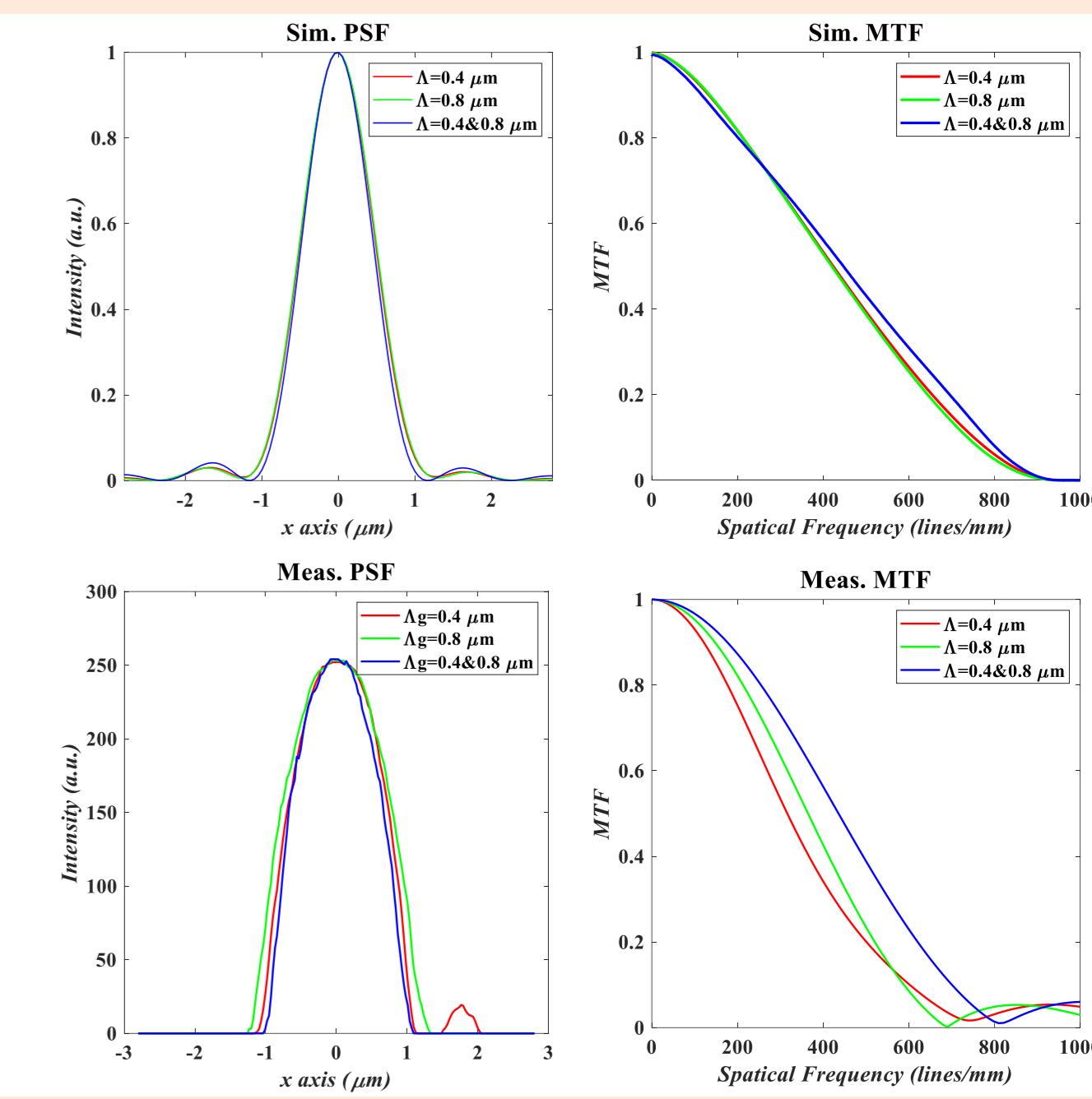
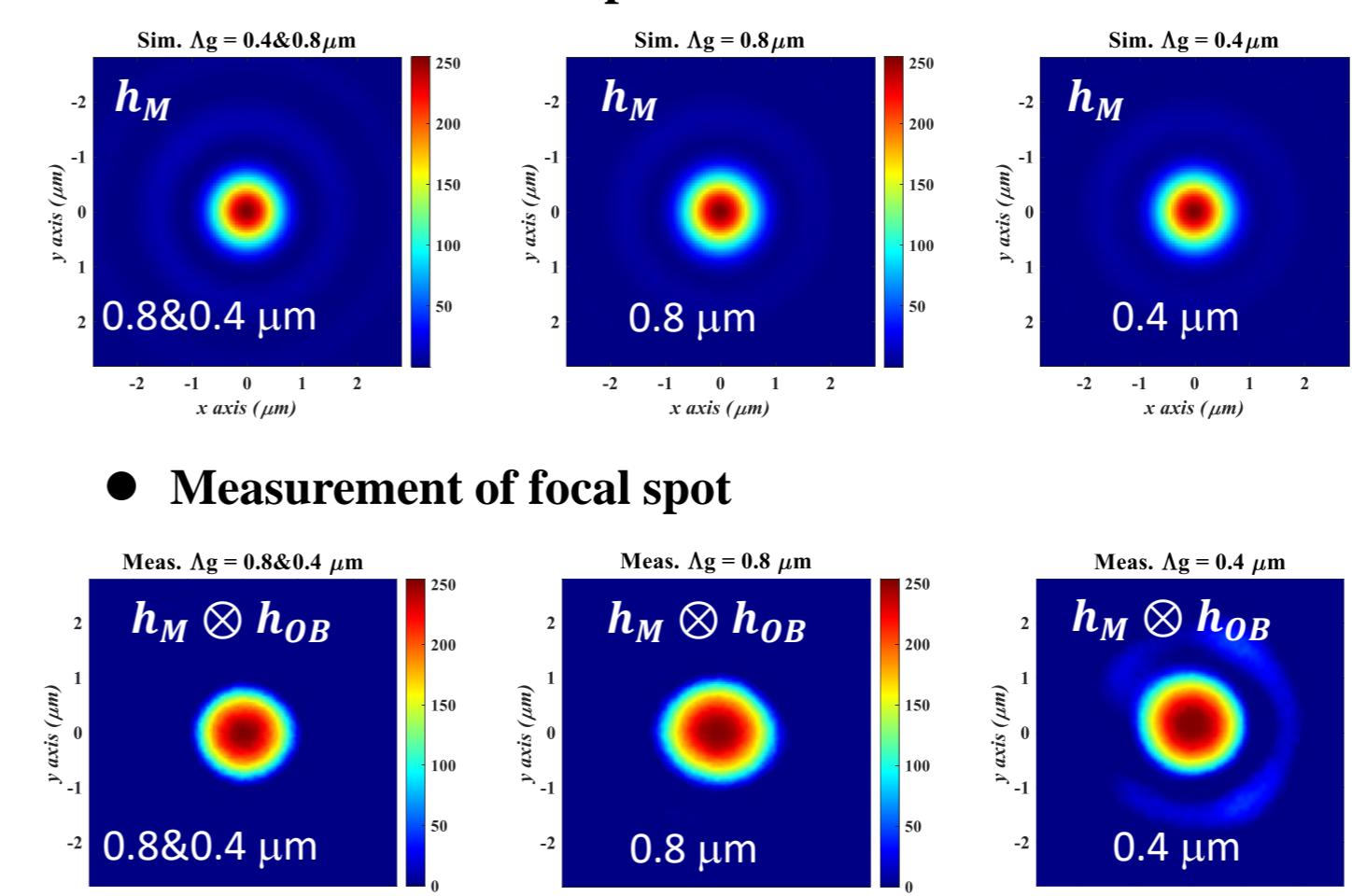
## 【Low cost wafer level metalens】

### ➤ Wafer level metalens & metalens module



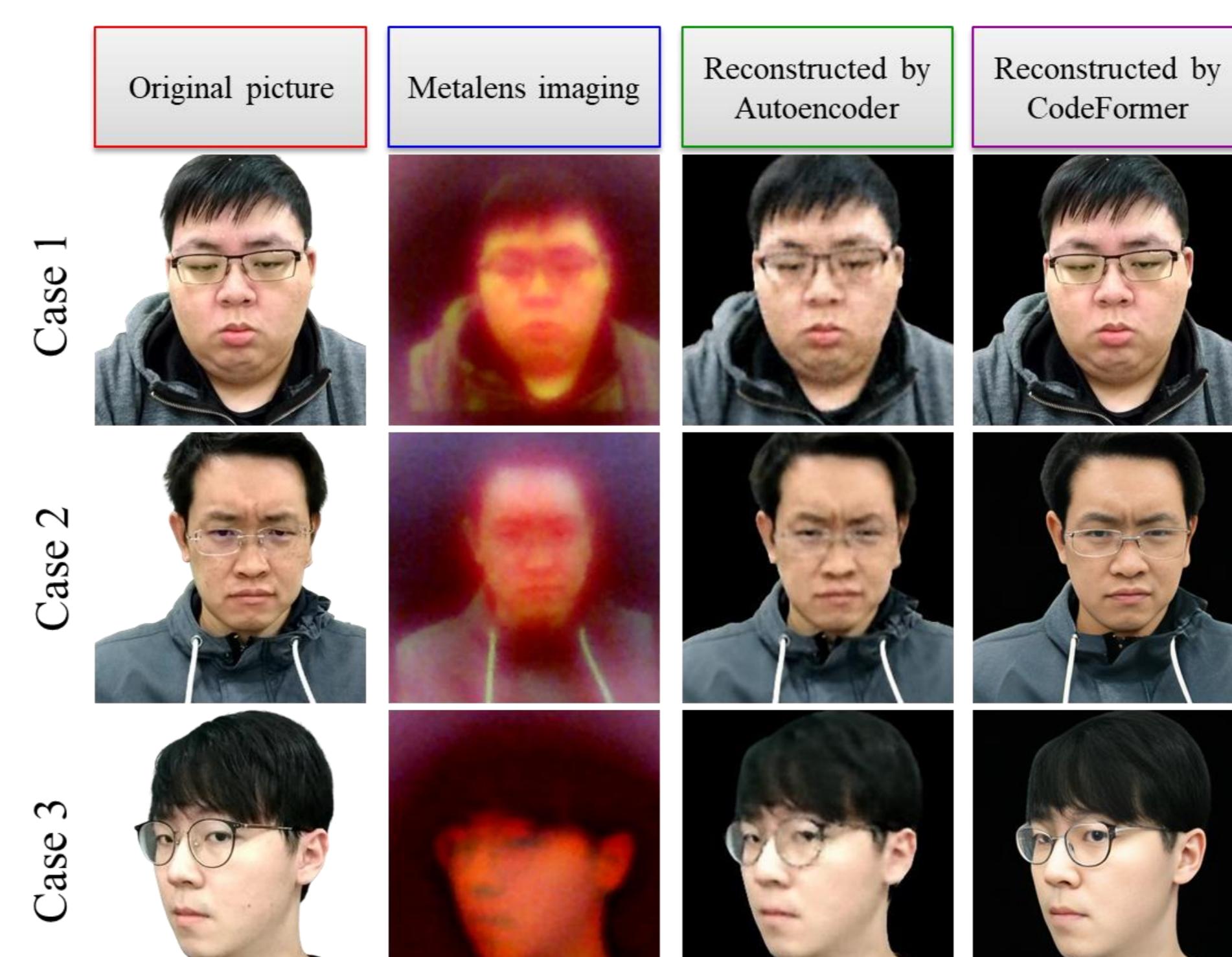
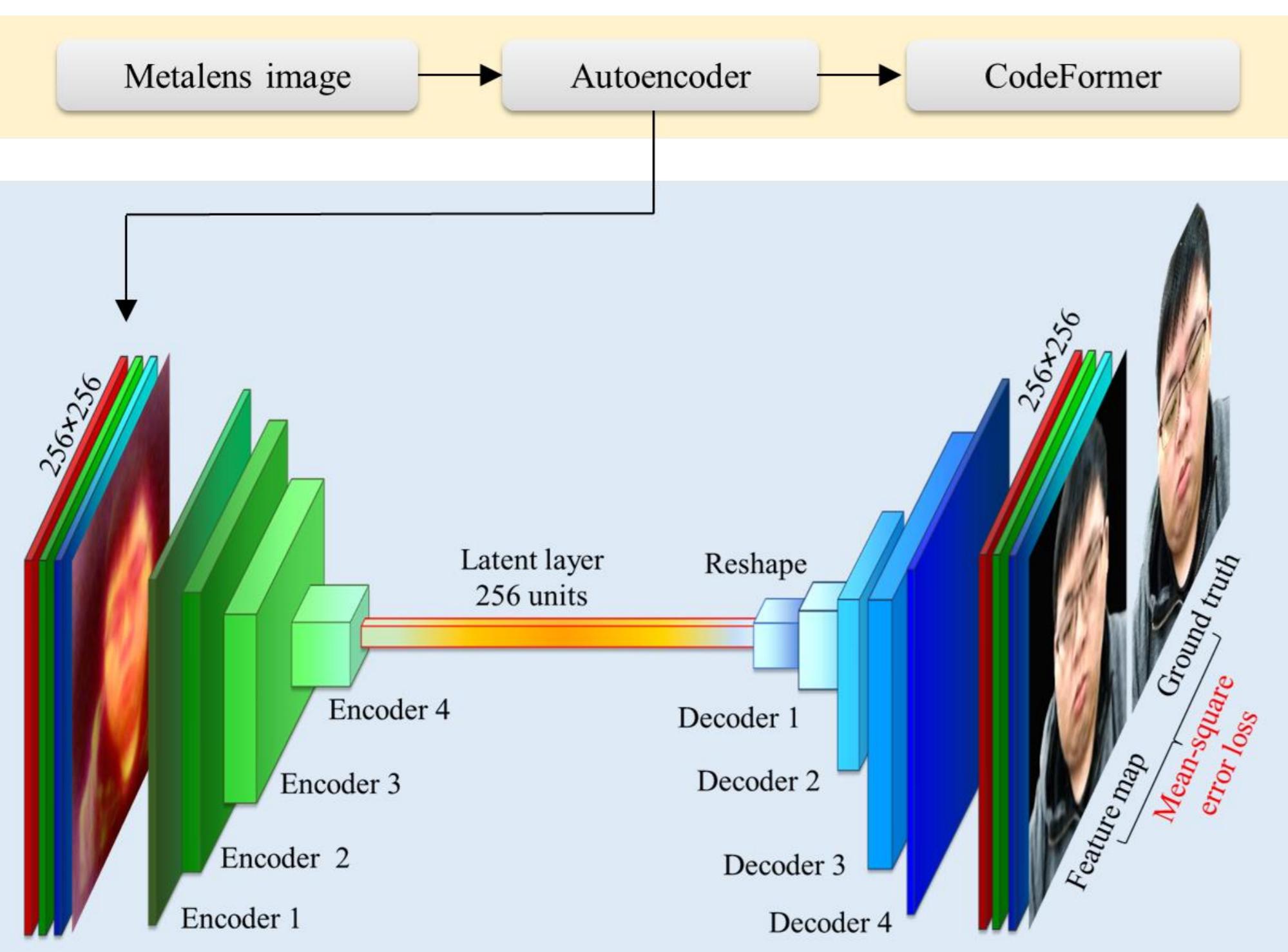
### ➤ Optical property of metalens for 940 nm application 采鈺科技產學案

#### ● Simulation of focal spot

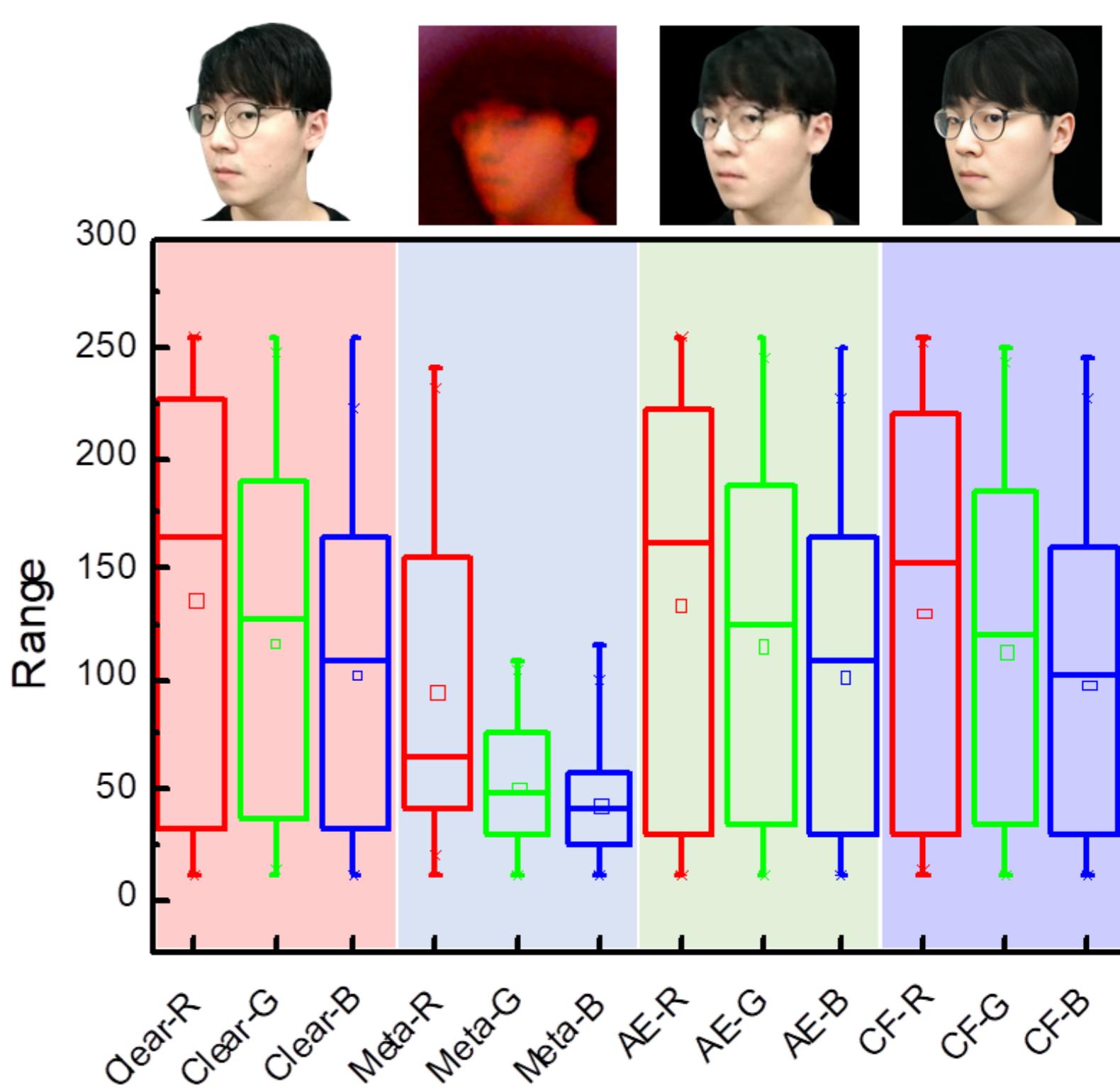


## 【Sequential AI model-empowered metalens imaging.】

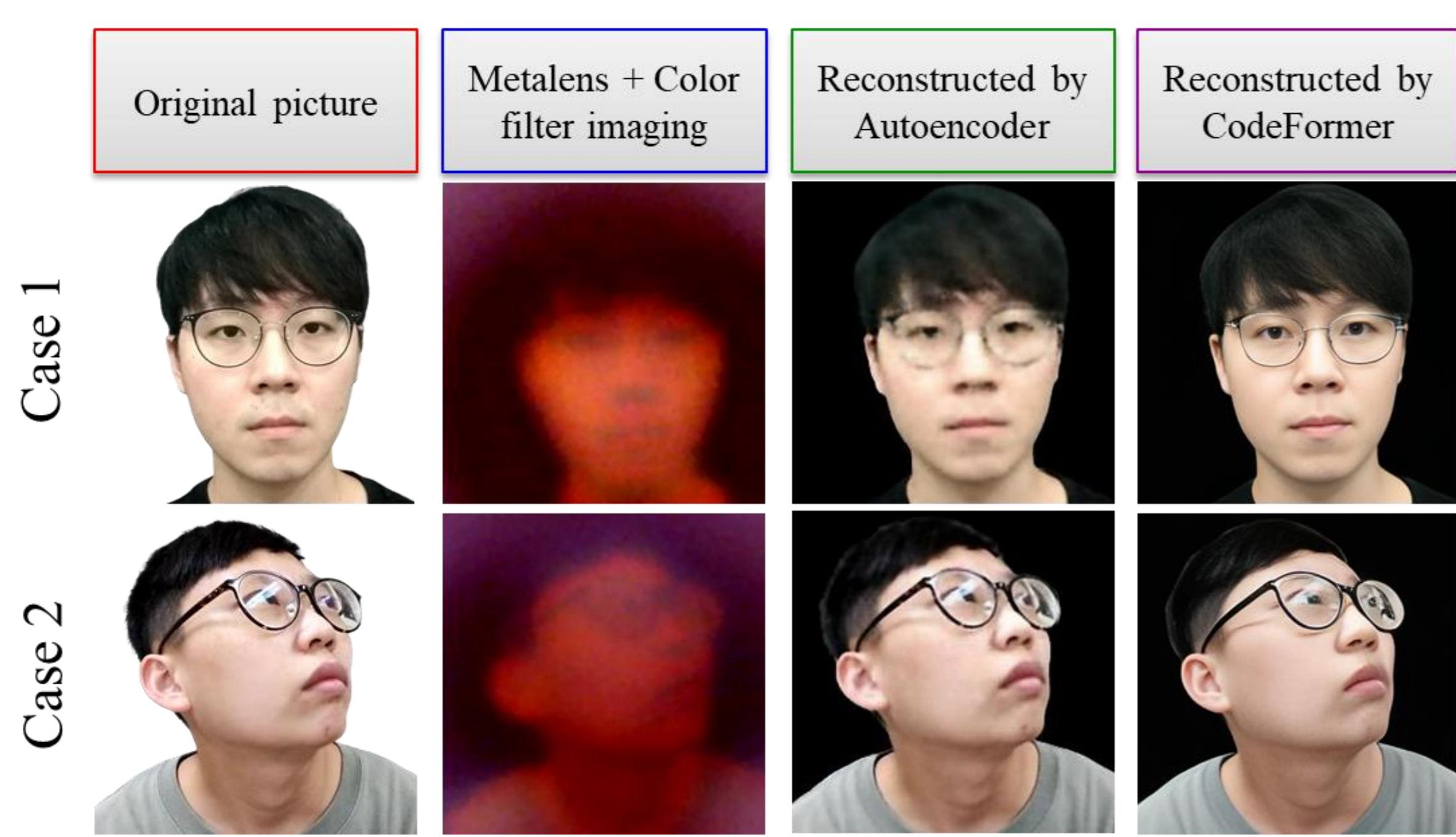
### ➤ Sequential AI models restore images capture by metalens



### ➤ Boxchart of the R, G, and B pixel value distributions



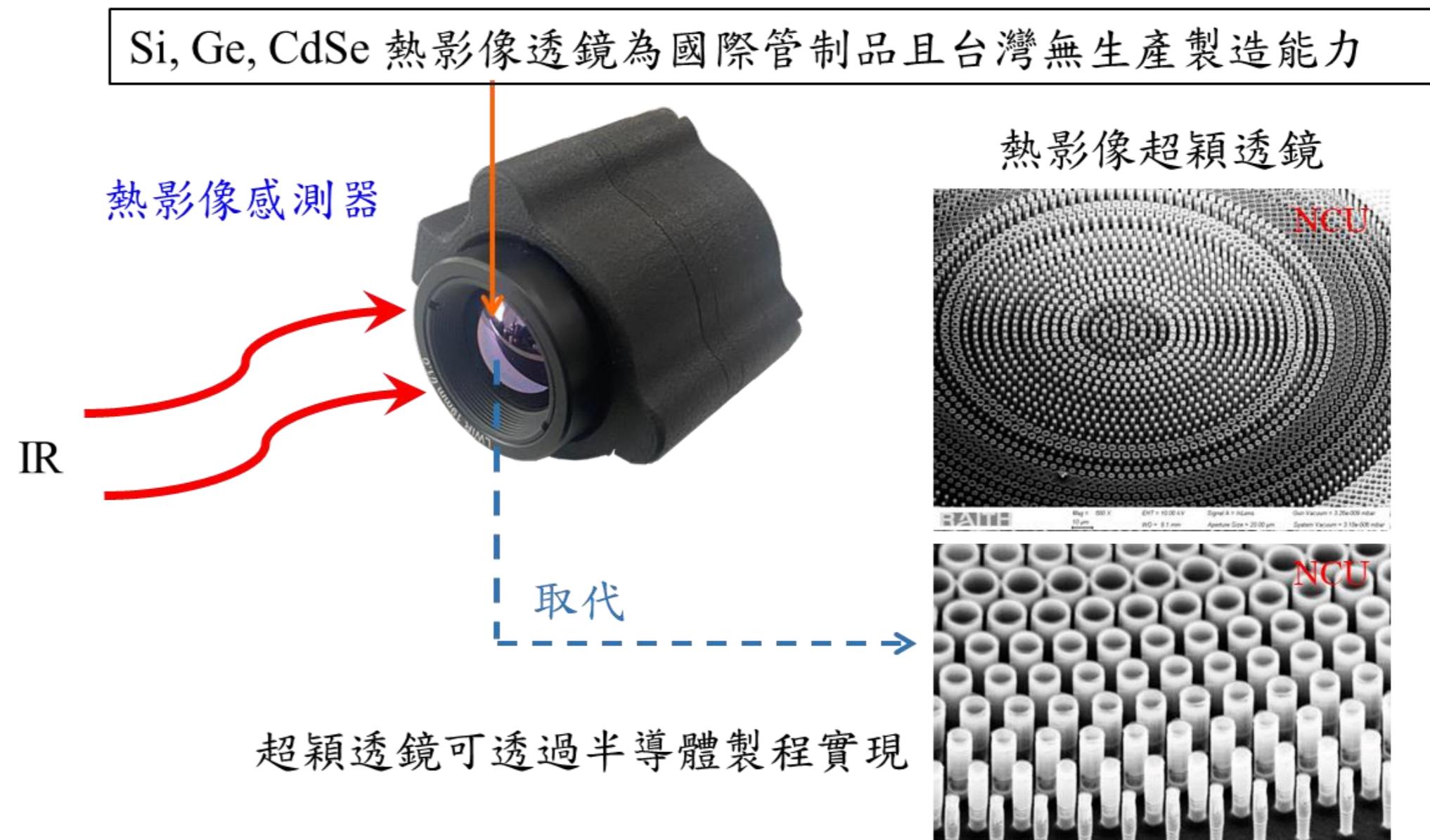
## 【Under screen imaging demonstration】



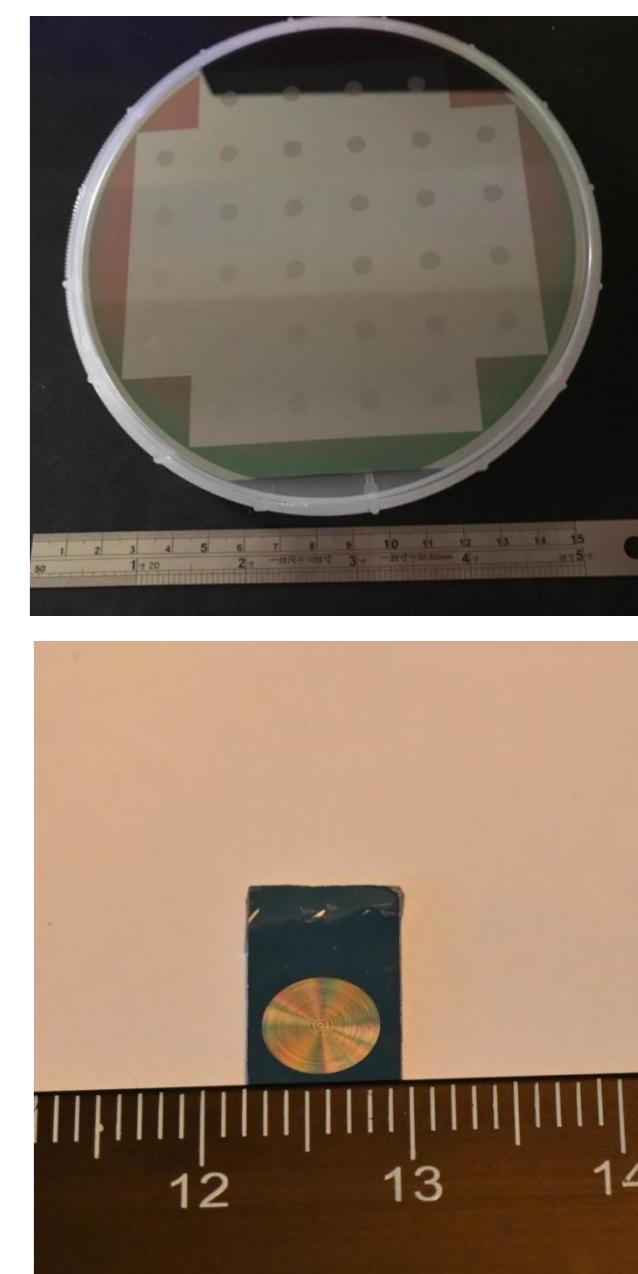
Applied Plasmonic Lab

## 【Commercialization of thermal metalens】

獲得國科會萌芽計畫補助



六吋基板上的熱影像超穎透鏡



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