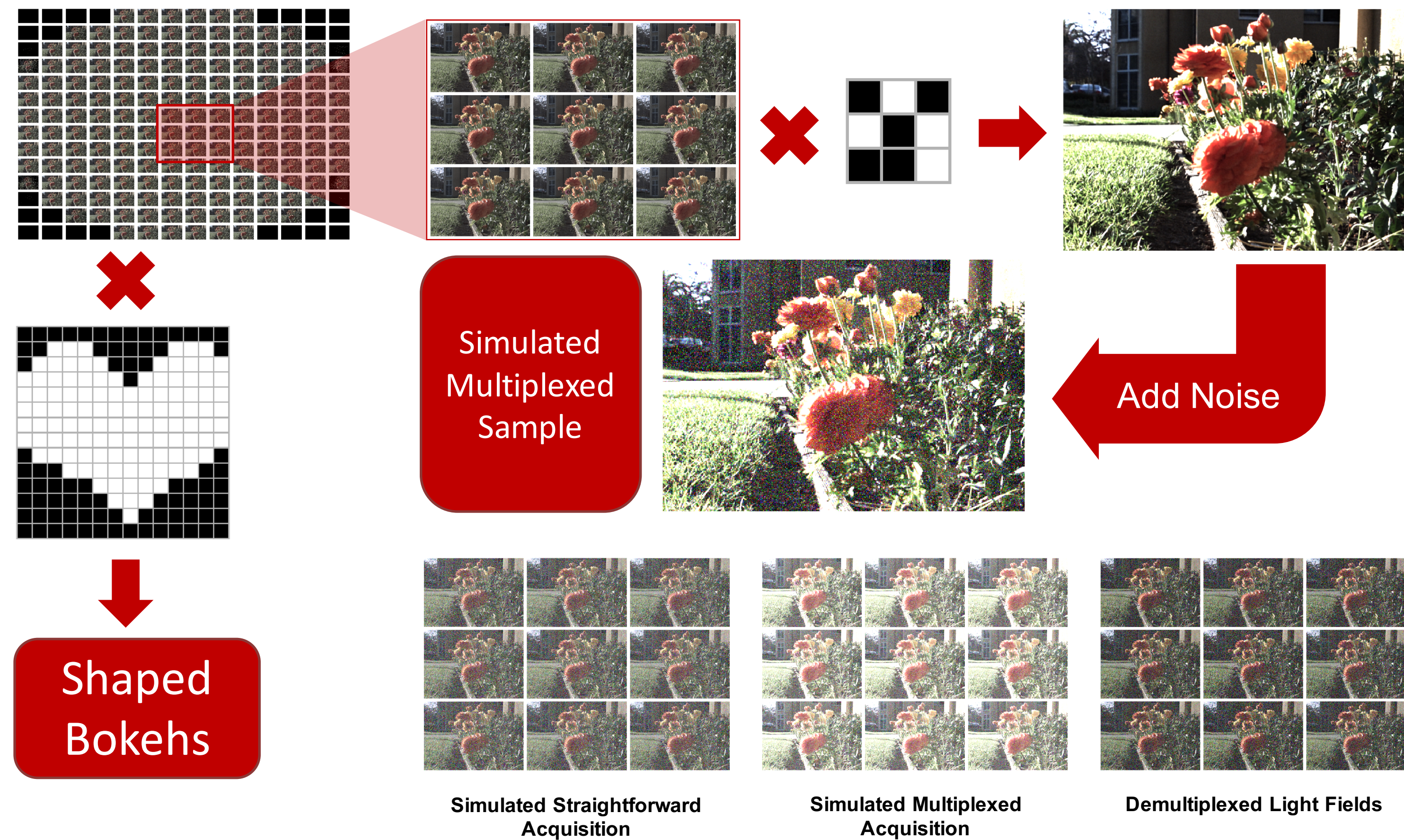


Simulated Programmable Apertures with Lytro

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Simulated Apertures



Related Work: Multiplexed Light Field Acquisition with Programmable Aperture

$$I_{samples} = W * I_{lightfields}$$

$$I_{lightfields} = W^{-1} * I_{samples}$$

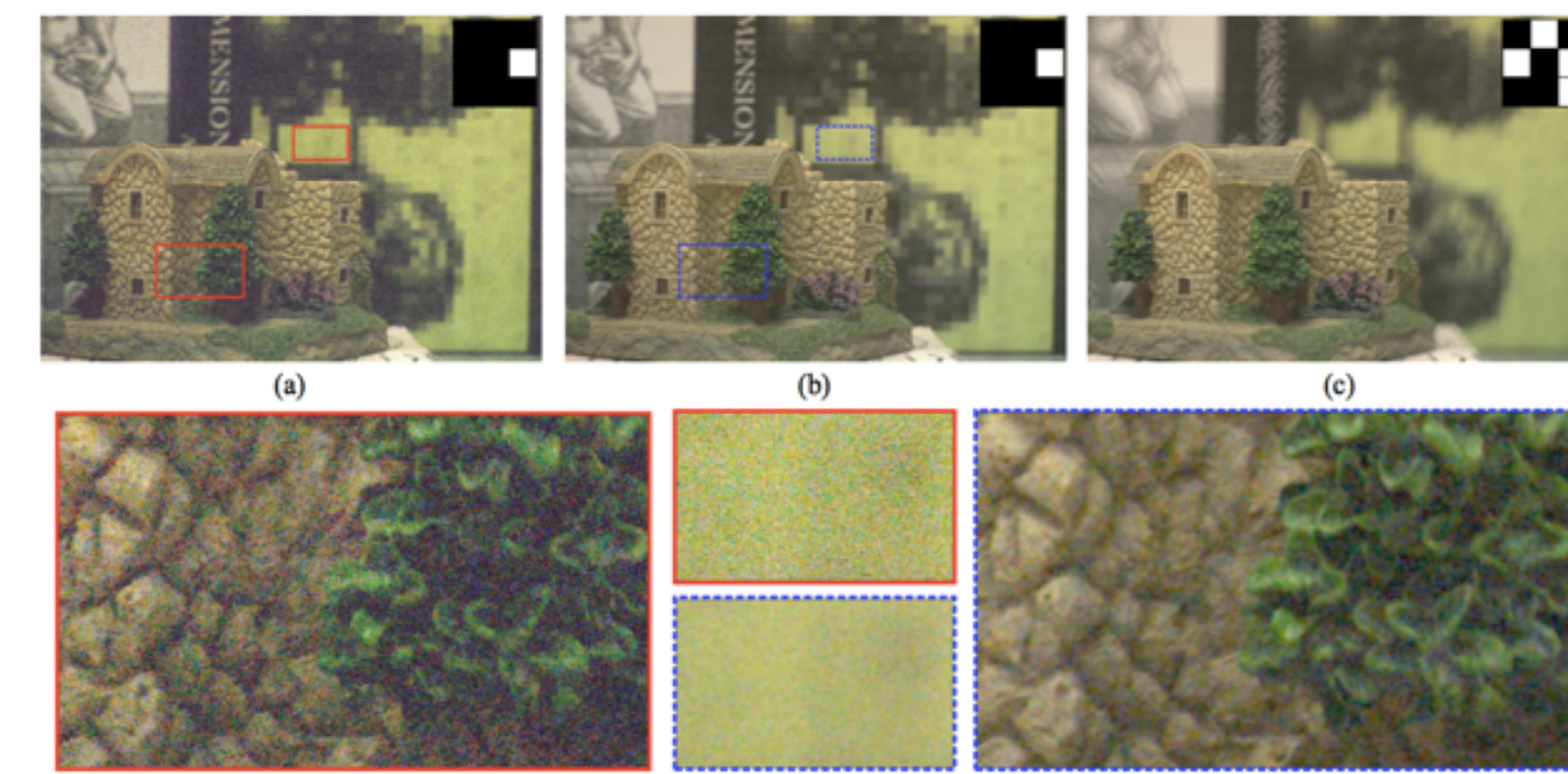
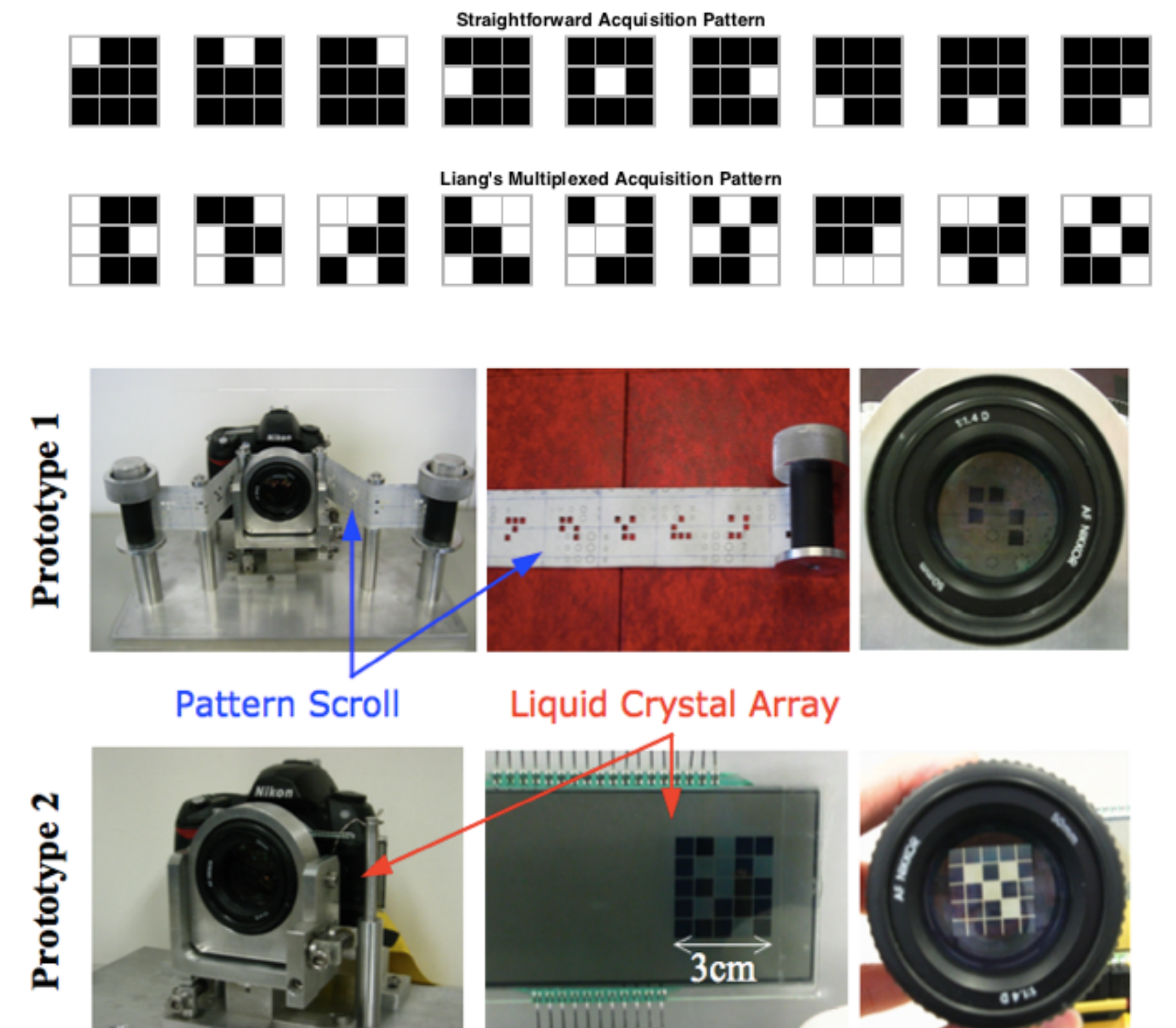
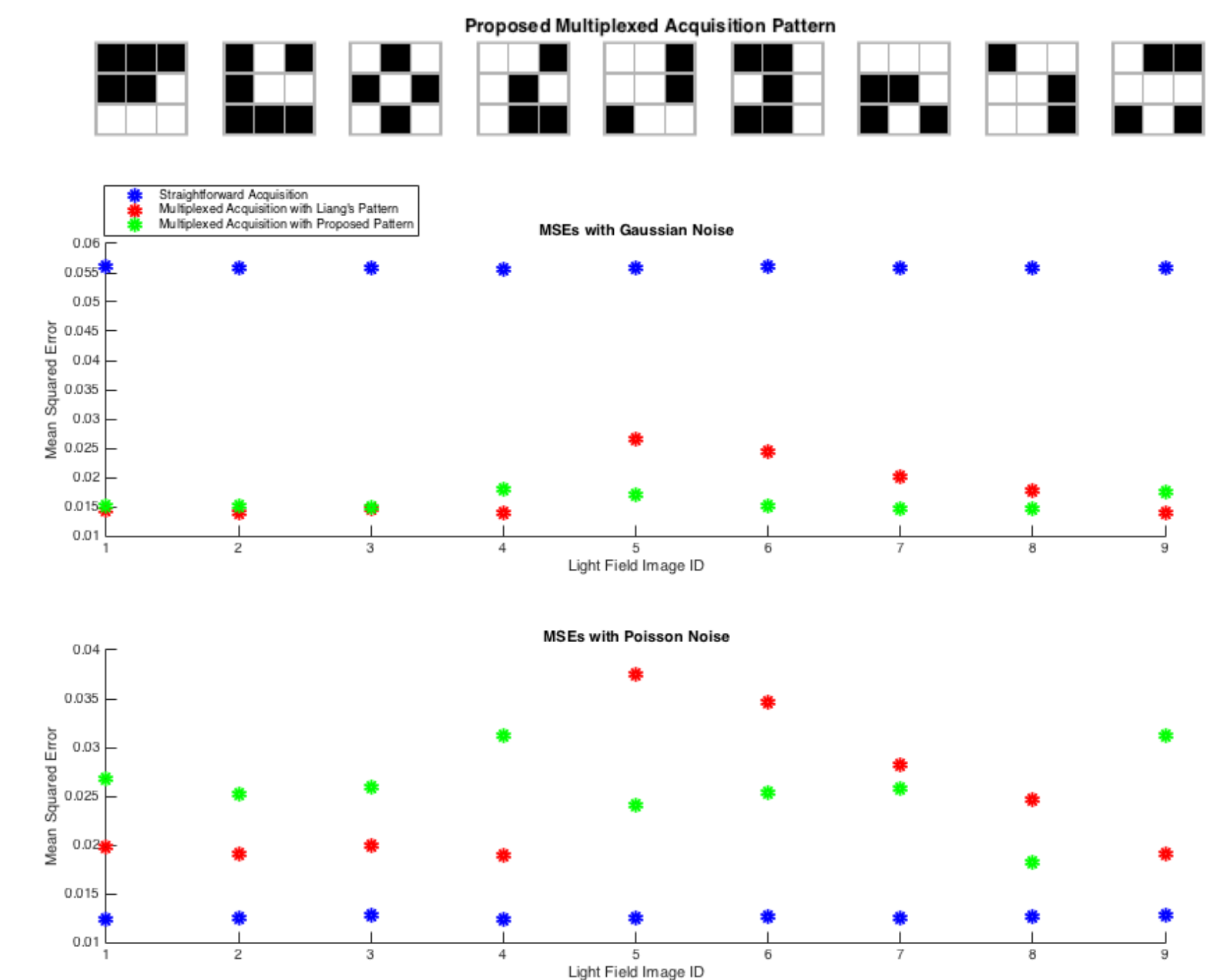
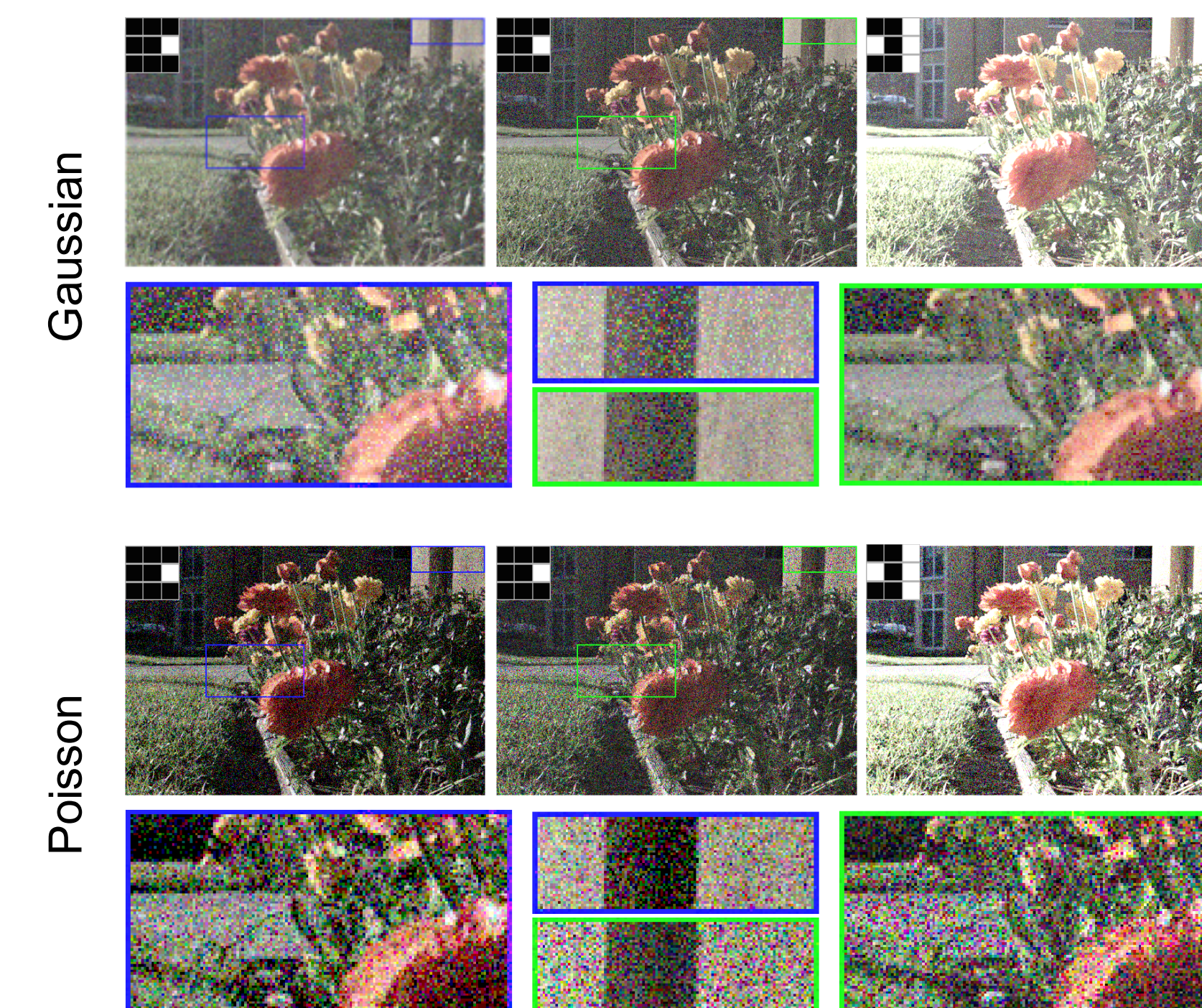


Figure 4: Performance improvement by multiplexing. (a) Light field image captured without multiplexing. (b) Demultiplexed light field image. (c) Image captured with multiplexing ($M_u(x)$ in Equation 4). The insets in (a-c) show the corresponding multiplexing patterns. (Bottom row) Close-up of (a) and (b).



Results: Multiplexed Light Field Acquisition



Results: Special Bokeh Effects

