



Large Extension of Depth of Field for Cameras and Imaging Systems

Researchers

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Research

Prof. Abdulhalim's research group has developed a proprietary method based on generation and multiplexing of several phase masks using a liquid crystal device with annular electrodes operated with small voltage.

Applications & Products

- Survey and camera market
- Cell phone market
- Endoscopy market
- Optical microscopy market
- Optical inspection systems market

Advantages

- Compact module that can fit into existing imaging systems
- Can be integrated with cell phones
- The LC device can be used for applications such as super resolution, tunable dark field and phase contrast microscopy