

Extraction of Additional Information by Combining Iris and Plenoptic Imaging

Disclosure Number

201303128

Technology Summary

The invention relates to security methods and systems and more specifically to iris recognition. The invention simultaneously solves several pertinent issues with current iris recognition. Several benefits include having perfect focus, and the small focus range of existing sensors could be eliminated. They can provide rudimentary 3D information on depth. They can detect colored contact lenses by their shape when compared to the actual iris. Extraction of 3D features such as limbus height. Doing this enables better iris recognition with conventional sensors.

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