Looking Around Corners

Photo Cloud

3D Displays

Mobile Phone Diagnostics
Can you look around the corner?
Multi-path Analysis

1st Bounce

2nd Bounce

3rd Bounce
Collision avoidance, robot navigation, ...

Andreas Velten, Thomas Willwacher, Otkrist Gupta, Ashok Veeraraghavan, Mounig Bawendi and Ramesh Raskar
endoscopy ...
Andreas Velten, Christopher Barsi, Di Wu, Everett Lawson et al
Compressive Displays
Glasses-free 3D Display using stacked LCDs

Wetzstein, Lanman, Hirsch, Raskar  [Siggraph 2012]
Medical Diagnostic Devices
Slit Lamp for Cataracts
Retinal Scan
NETRA
Near Eye Tool for Refractive Assessment

Vitor Pamplona, Ankit Mohan, Manuel Oliveira, Ramesh Raskar  SIGGRAPH 2010
Thermometer for Eye
India
CATRA: Cataract Screening Tool

Vitor Pamplona  Erick Passos  Jan Zizka  Manuel M. Oliveira
Everett Lawson  Esteban Clua  Ramesh Raskar
Looking Around Corners

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MultiLayer 3D Displays

EyeScans