



OpticsKit

FUNWITHOPTICS*

For students of all ages



Educational Outcome

- Principles of Optics
- ICT
- Life Sciences
- Color Science

Project Ideas

- BodyCam
- Fruit Ripening
- Augmented Reality



*some assembly required

W: www.opssg.org/OpticsKit

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In the FunWithOptics Kit



Depth Cam



Rainbow Cam

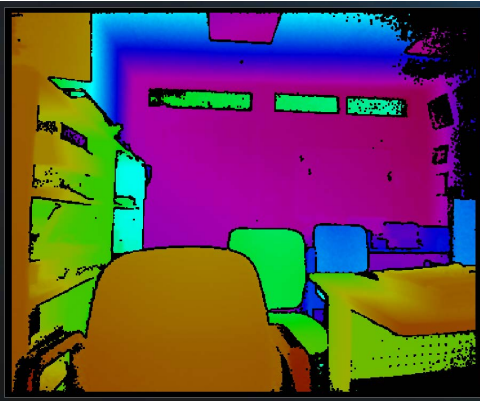


3D Cam

Depth Cam

Time of Flight

Color Coded Depth Image

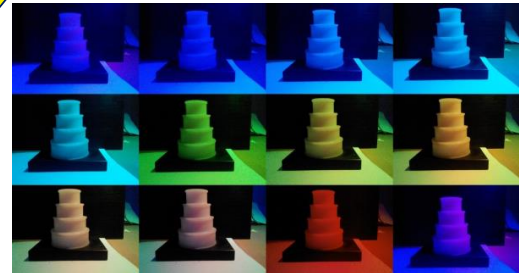


Applications

- Driverless Car
- Autonomous MAV
- Depth Sensing
- Reverse Engineering
- Medical applications

Rainbow Cam

Light and Color



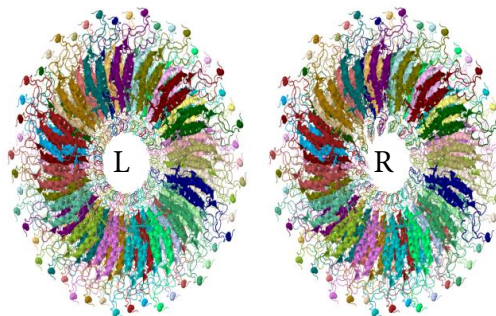
Hyperspectral Imaging

See objects in different colors without need for expensive spectrometers

Applications

- Food industry
- Paper and Color Printing
- Textile
- Pharma

3D Cam Stereo-vision



See left picture only with left eye and right picture only with right eye to see a colorful 3D image Not so easy right !!. Use our VR glasses and 3D webcam to see 3D in real time. Try out Augmented Reality with this kit