Overview
By rapidly sweeping a varying 2D image, a 3D image appears to the human eye. We have developed a 3D Persistence of Vision Display by rotating a 2D grid of LED’s. Our display has multiple operating modes and could be expanded to many other applications.

Specifications
- 0.15” vertical and horizontal pixel spacing
- 16x16 2D image resolution
- 360 2D images per revolution
- Rotating at 3000 RPM
- 50 3D frames per second

Applications
- Novelty Decoration
- Music Visualization
- 3D Gaming
- Advertisement
- Medical Imaging

Audio Spectrum Mode
Displays animation created from the frequency spectrum of input audio signal

Custom Image Mode
Displays 3D image made on 3D image Creator software and loaded to display via Micro SD card

3D Image Creator GUI
By rapidly sweeping a varying 2D image, a 3D image appears to the human eye. We have developed a 3D Persistence of Vision Display by rotating a 2D grid of LED’s. Our display has multiple operating modes and could be expanded to many other applications.

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