Mastery, Painting and Photography
“Camera” - Latin for ...?

NOT Double dromedary!

Bicameral legislature - Two "Chambers" or houses
Early Camera Obscura

From DaVinci codex
Commonly used in painting in 1500s
First daguerreotype, 1837
Work of Clifton Royal Adams, My grandfather, Pioneering color photographer for National Geographic in the 1920s & 30s
Similar geometry at different scales

- **Oculus**
- **Focused Light**
- **Peripheral Light**
- **Peripheral Vision**

- Light enters eye through pupil
  - Cornea
  - Iris
  - Retina
  - Optic nerve
Gamut warning in Photoshop and gamut graphs from TM30
Subtractive colour

Cyan, magenta and yellow filters or pigments subtract varying quantities of red, green and blue from white light to produce a limited gamut of spectral colours.

Halftone colour printing normally employs four overlapping grids of dots (CMYK), which subtract differing amounts of RGB light in proportion with dot size.

Offset printing technology with transparent inks and reflective “subtractive” color, uses a matrix of dots.
The cuttlefish, master of camouflage, has skin with a variable matrix of different colored dots embedded in different levels of the skin that activate to reproduce the conditions of its environment.
LED monitor also work with light-emitting matrices of dots.