

- scene-independent filter
- scene-independent filter, user-controlled
- ★ scene-dependent filter
- ☆ scene-dependent filter, user-controlled

Canon A495

Mobius Action Cam

RGB SENSOR
"single pixel"

LUMINOSITY SENSOR
"single pixel"

vis-red block above lens

lens

near-infrared block above sensor

per-pixel color filter array

sensor

additional image processing

white balance

color setting

exposure

R G B

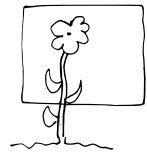
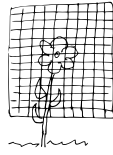
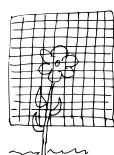
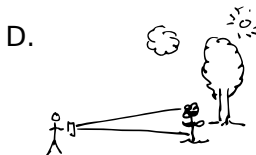
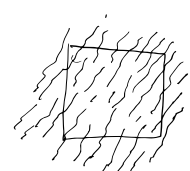
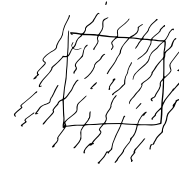
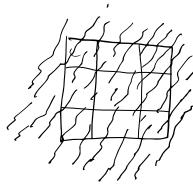
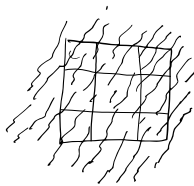
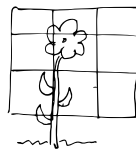
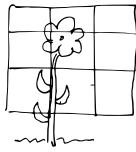
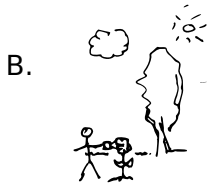
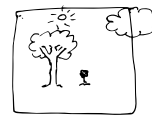
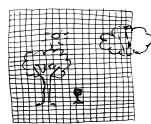
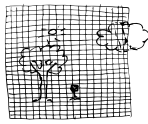
R G B

R G B W-NIR

NIR W+NIR



Modes of use and associated resolution



Note that each of:

R G B W-NIR NIR W+NIR

denotes an overlapping but non-identical wavelength band for each device type.