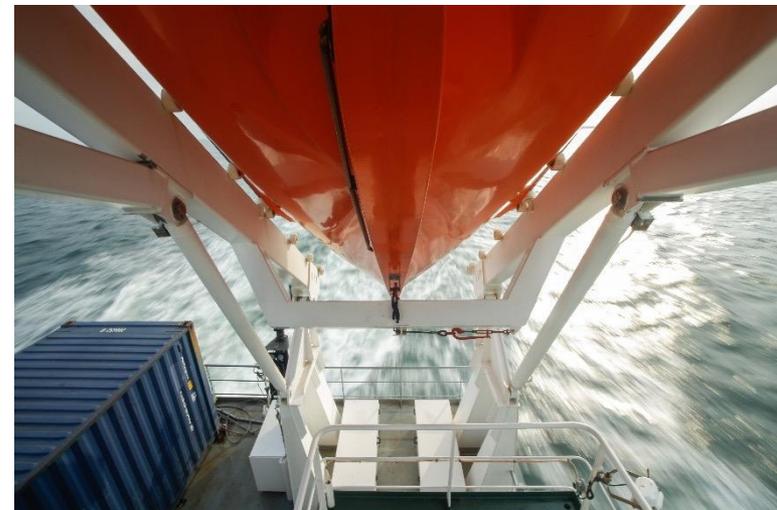
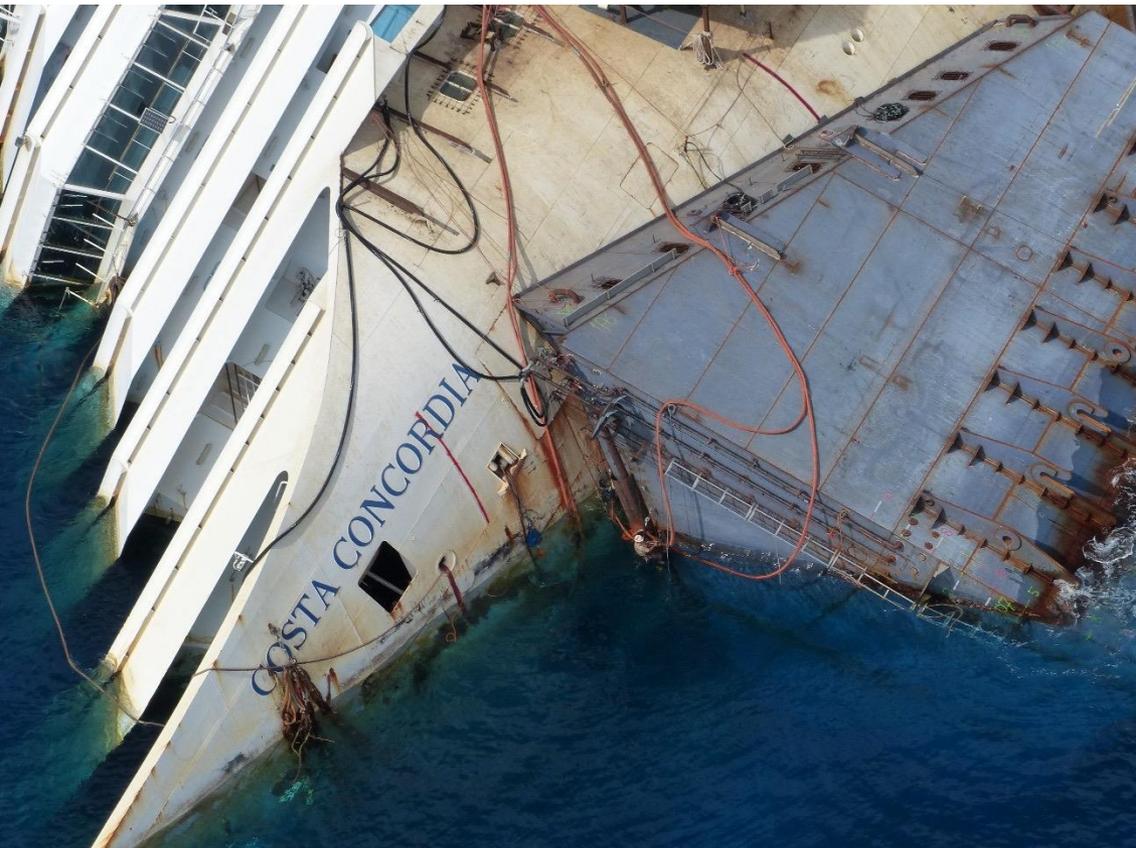


Girls Who Build

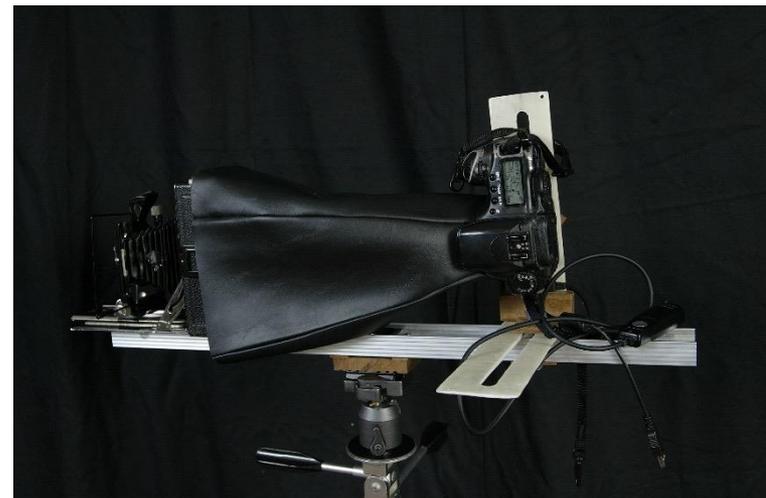
INTRO TO DIGITAL CAMERAS

Alex Lorman

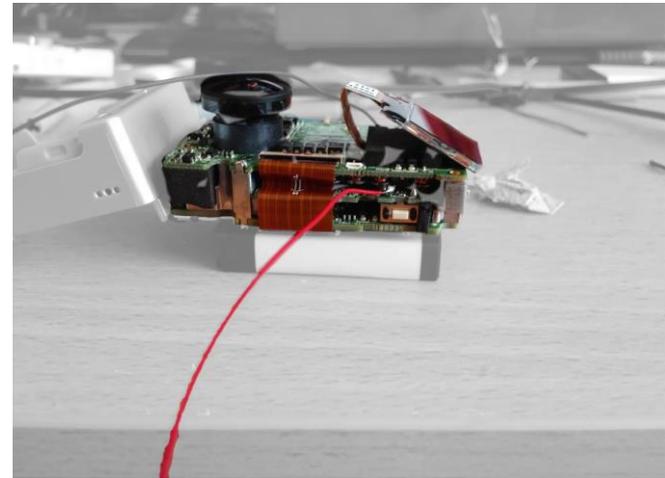
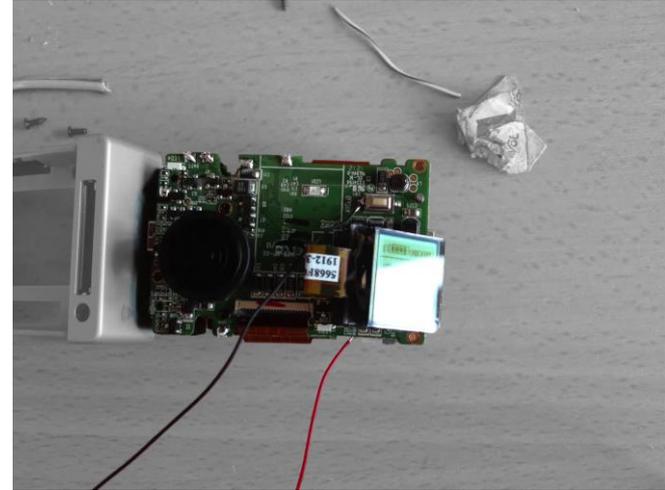




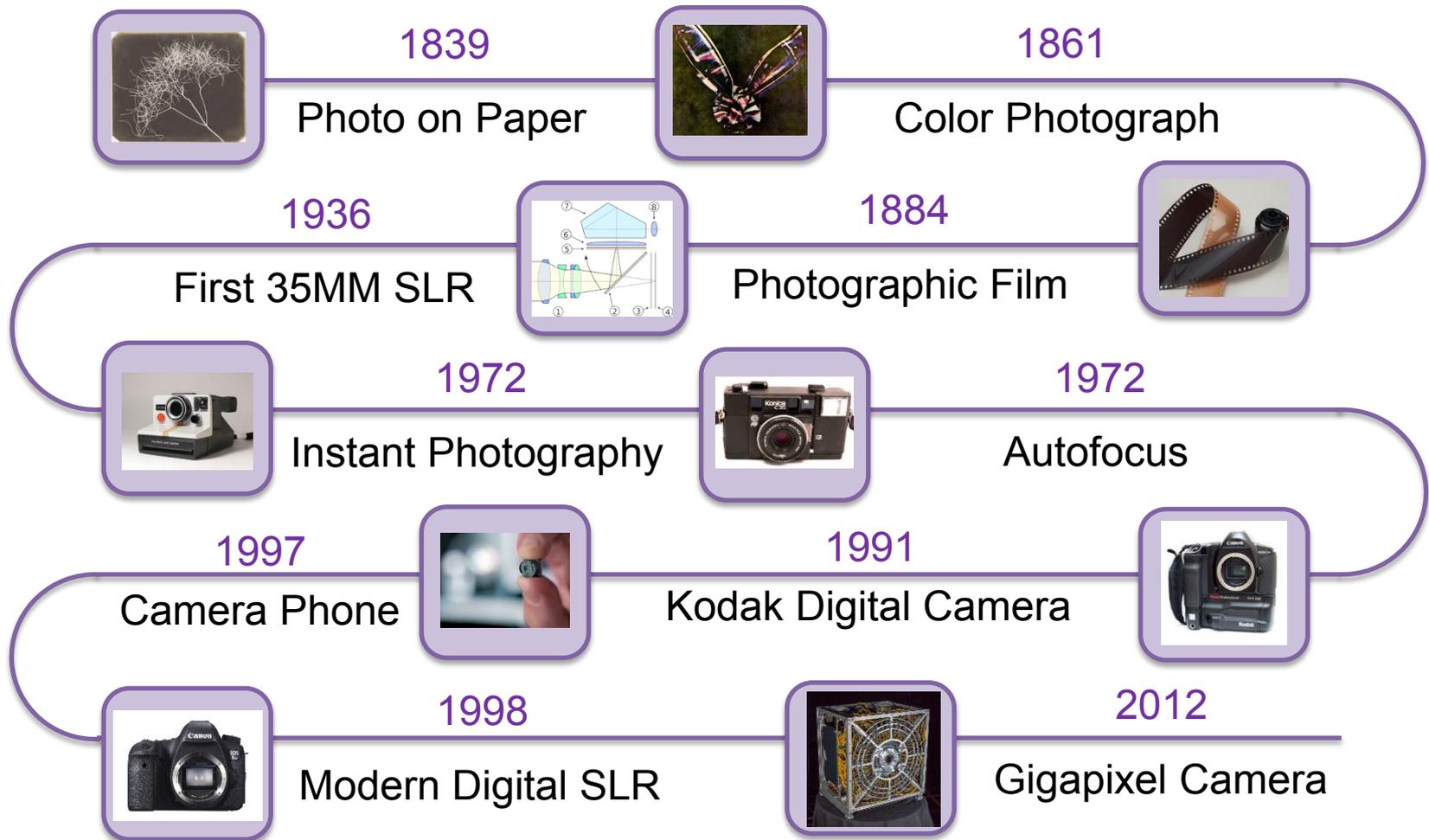
Projects



Projects



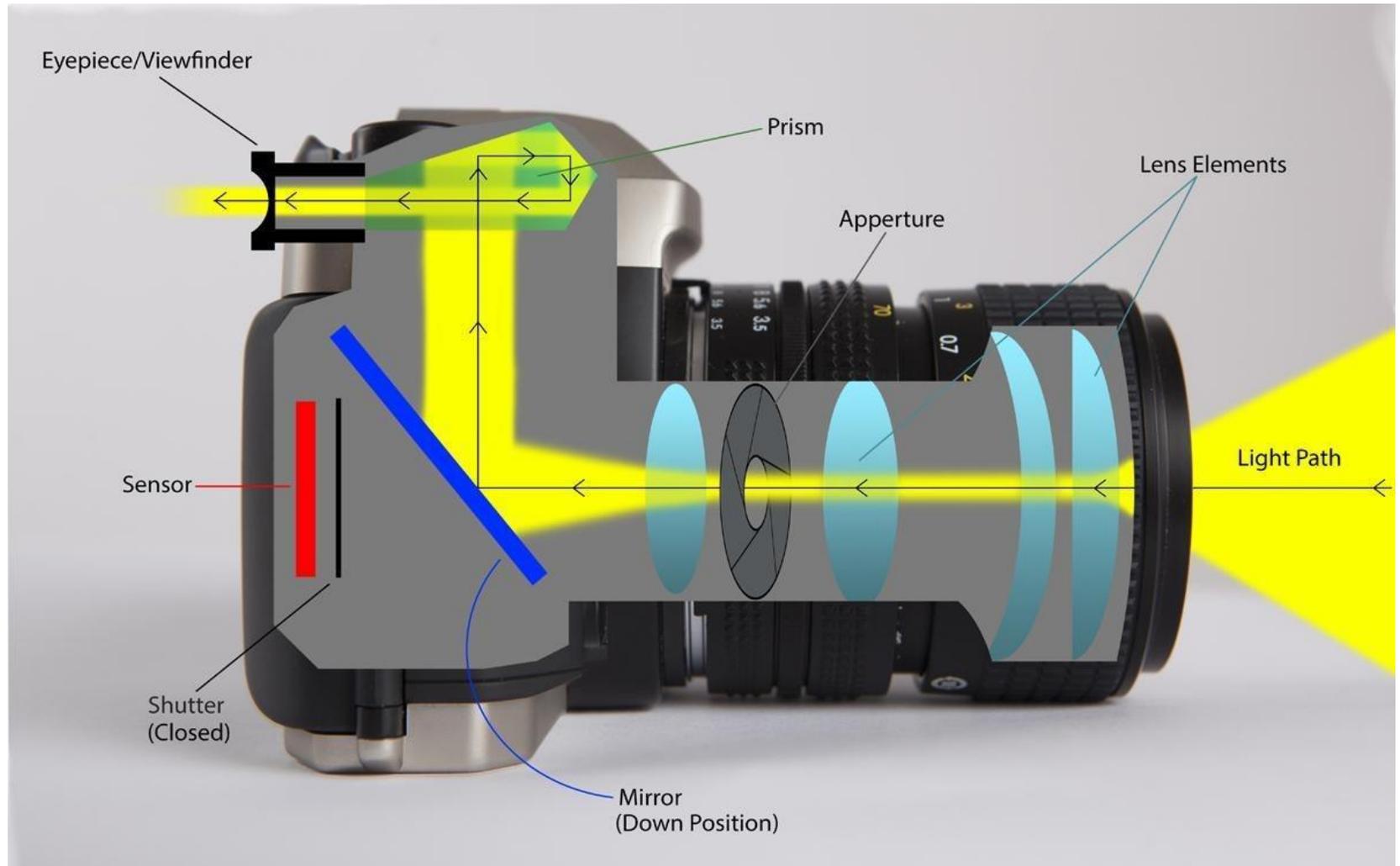
A Short History of Cameras



→a U[Yg'¥ 'gci fWg'i b_bck b''5''f][\hg'fYgYfj YX''H\]g'V&bhYbh'j'YI Wl XYX'Zfca 'ci f'7fYUhj Y 7ca a cbg''JWbgY'' :cf'a cFY]bZcfa Uh]cbž'gYY '\hdg. ##cVk "a]h'YXi #AY'd#ZJe! ZJf!i gY#"



A Digital SLR Camera in Action



¥ 'FcVYfhDUHfycb"5""f][\hg'fYgYfj YX" H\jg'W&bhYbh'jgYI VM XYX'Zfca 'ci f'7fYUhj Y
7ca a cbg"jWbgY": cf'a cfY]bZcfa Uh]cbž'gYY'\hfdg. ##cVk "a]h"YXi #AY'd#ZJe!ZJ]fi gY#"



What is inside a digital camera?



- 1. LCD Display
- 2. Sensor
- 3. Memory
- 4. Battery
- 5. Flash
- 6. Shutter
- 7. Lens

¥ 'Dcdi `Uf`A YWUbj]g" 5``fj[\hg`fYgYfj YX" H\jg`VcbhYbh]g`Yl Vm XYX`Zca `ci f`7fYUhj Y
7ca a cbg`j]WbgY": cf`a cfY`j]bZcfa Uh]cbž`gYY` \hhdg. ##cWk "a]h`YXi #A`Y`d#ZJe! ZJ]f!i gY#"

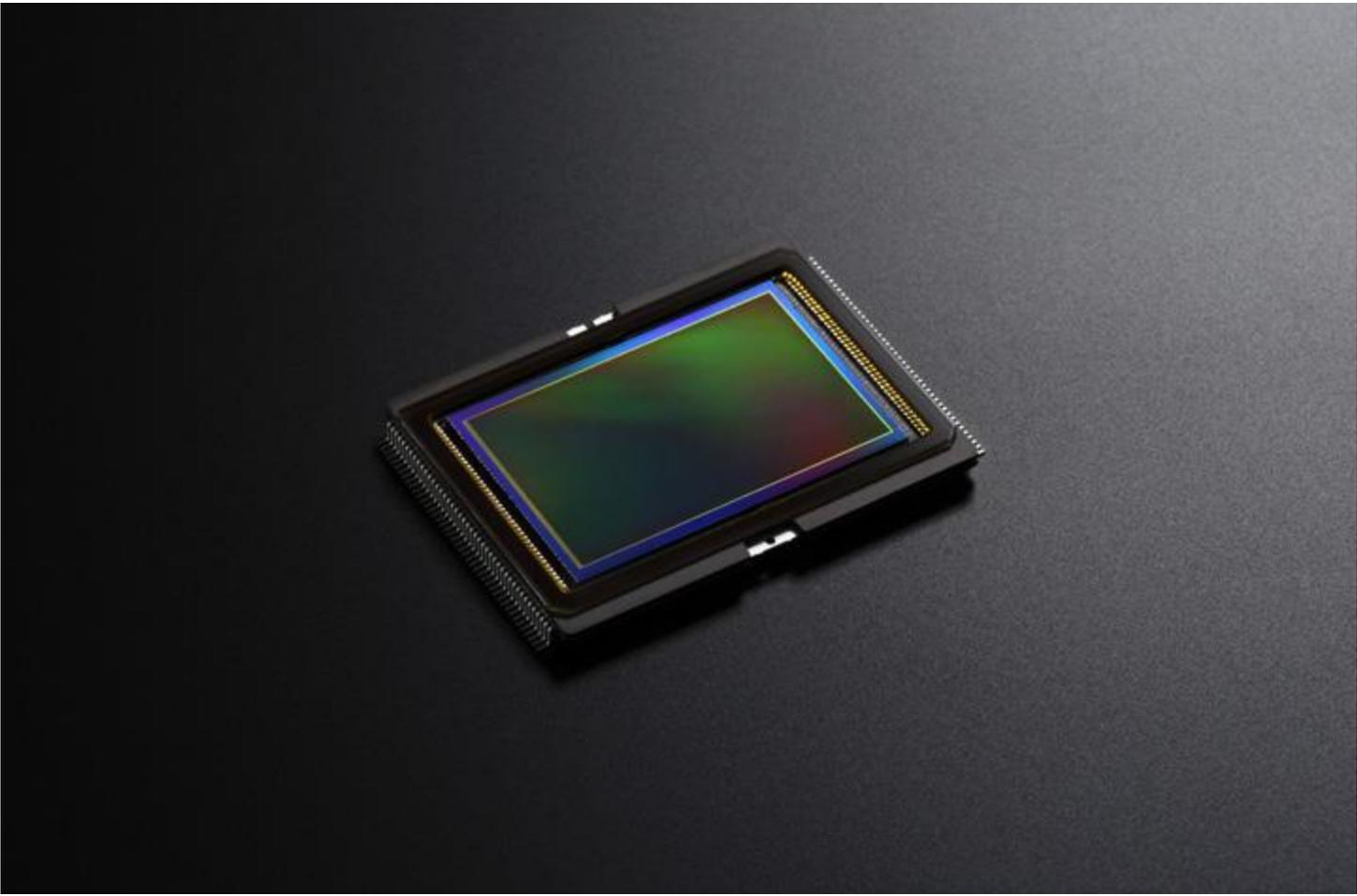


Lens



=a U[Yg'¥ 'gci fWg i b_bck b''5''f][\hg'fYgYfj YX''H\.]VtbbhYbh]g'YI Wl XYX'Zfca 'ci f'7fYUhj Y
7ca a cbg`jWbgY''': cf'a cfY]bZcfa Uh]cbz'gYY` \hdg. ##cVk "a]h'YXi #\Y'd#ZJe! ZUjfi i gY#

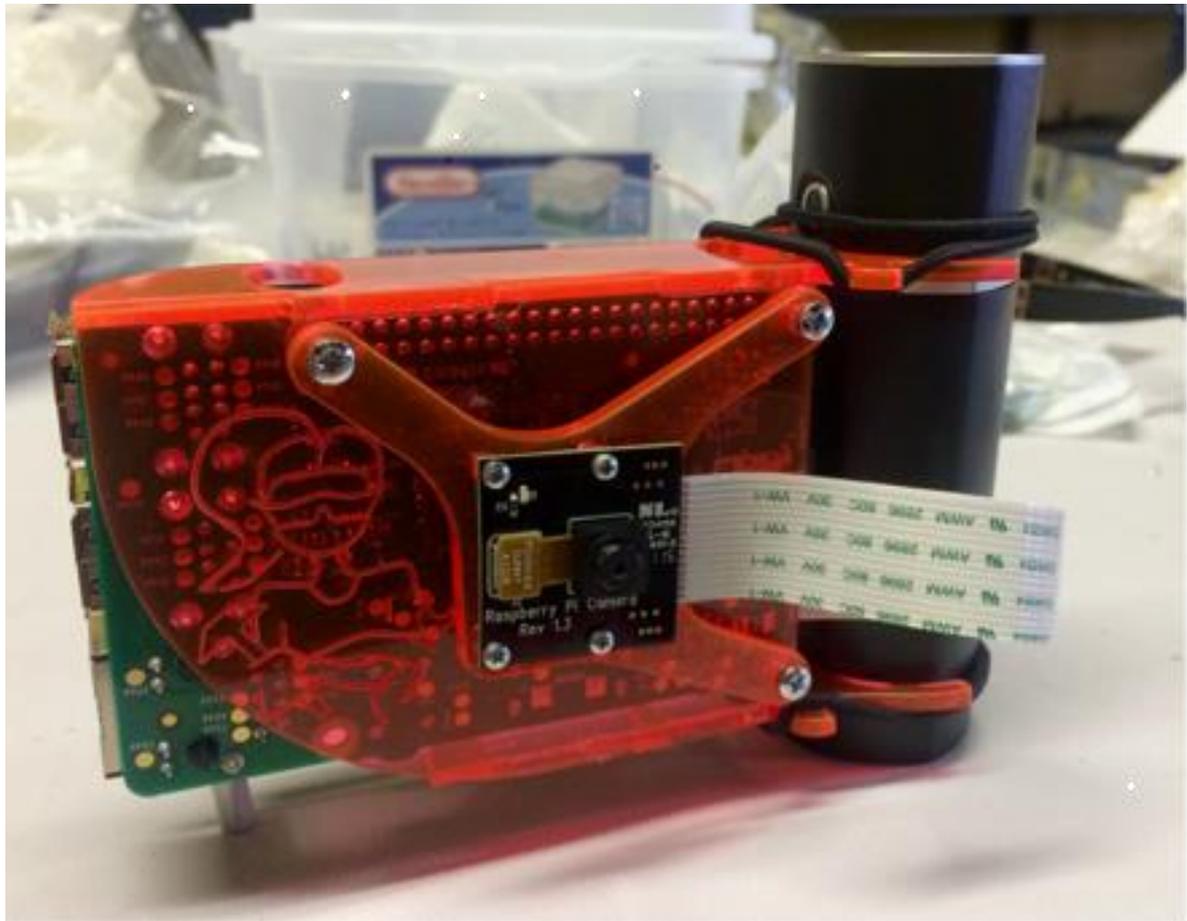




¥ `HYW!6cca "5`f][\hg'fYgYfj YX" H\]g'WbYbh]g'YI Wl XYX Zfca `ci f`7fYUhj Y`7ca a cbg
]WbgY": cf'a cfY]bZcfa Uh]cbž'gYY` \hfdg. ##cVW "a]h"YXi #\Y'd#ZJe! ZJ]f! i gY#"



Build a Raspberry Pi



Resource: Girls Who Build Cameras

Kristen Railey, Bob Schulein, Olivia Glennon, Leslie Watkins, Alex Lorman, Carol Carveth, Sara James

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