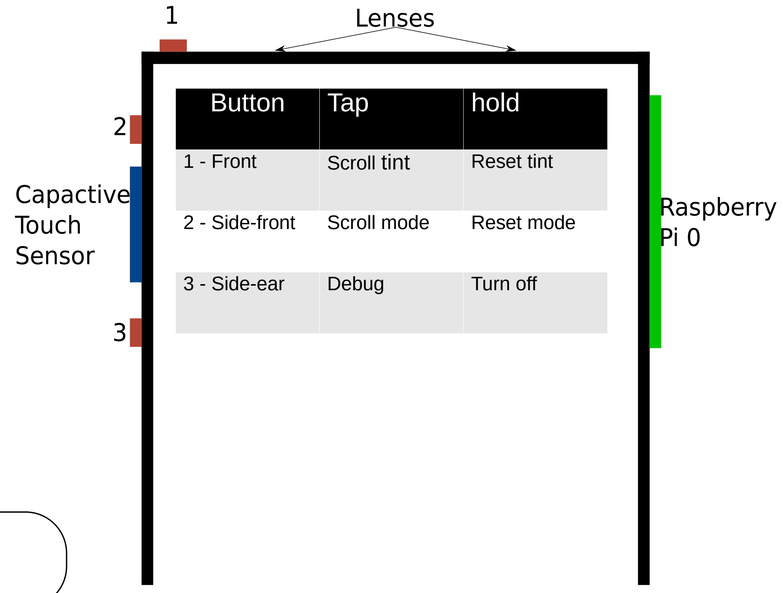
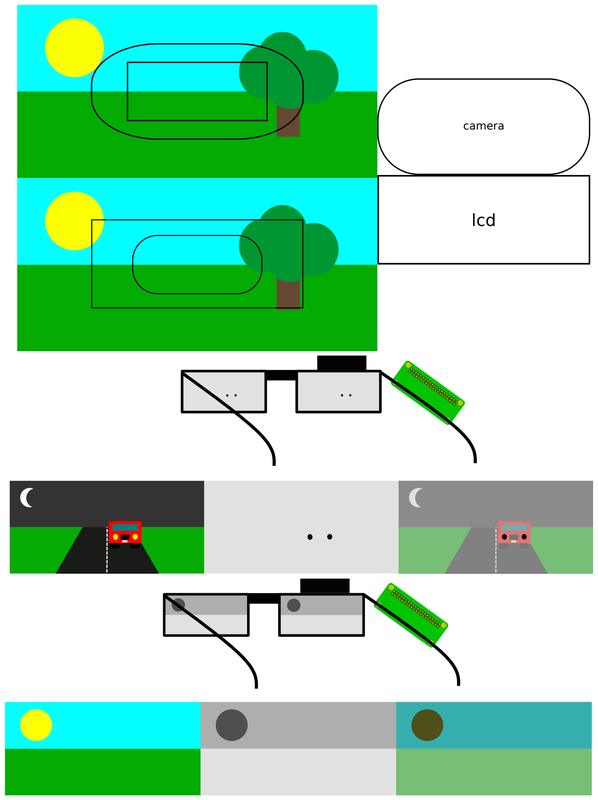
Stage	Criteria	Description
1	Smart shades.	Make a set of smart sun classes.
2	Auto smart shades.	Add LDR to control the opacity.
3	Auto smart point shades.	Add camera to make dark point over bright points.
4	Controllable smart shades.	Add options to swap between modes.
5	Driving/Safety improvements.	Fail safe and auto react to headlights.

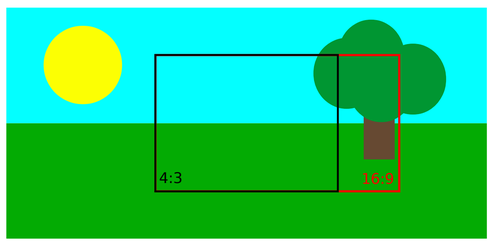


Button	Tap	hold
1 - Front	Scroll tint	Reset tint
2 - Side-front	Scroll mode	Reset mode
3 - Side-ear	Debug	Turn off

Telegram Bot

Command	Parameters	Description
help	N/A	Show help menu.
pickcolour	Pick from list of tints.	Preset tints/colours.
pickmode	Pick from list of modes.	Change mode.
tint	Percentage	Sets tint of lenses.
image	N/A	Shows most recent image.
up	N/A	See if the system is up.
temp	N/A	See CPU temp.
start	N/A	Starts shades.
stop	N/A	Stops shades.
exit	Admin only	Exits program.
reboot	Admin only	Reboots system.
halt	Admin only	Shutdown system.
uprecords	N/A	See up time.
debug	N/A	Toggles debug.
colourset	fore/back@0/255,0/255,0/255	Set specific colour.
allowallids	Admin only	Toggles if admin id is required.

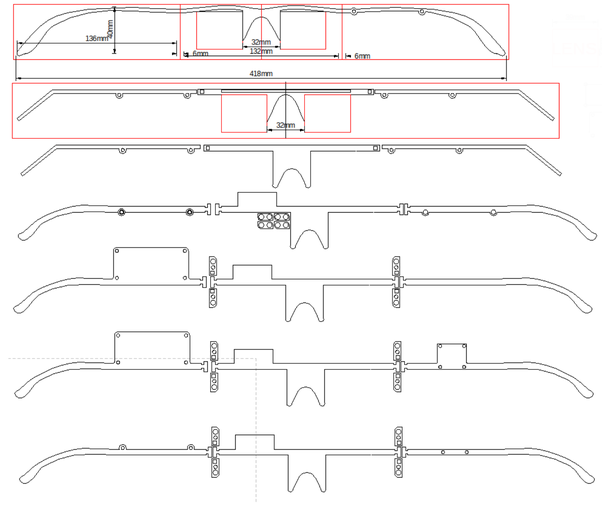




Pi0to Chromic

Pi0to Chromic site

Frame Development Cycle



According to the European Association of Research and Technology Organisations (EARTO) technology readiness level for prototyping development cycles, I have met level 4 and am pushing level 5 criteria

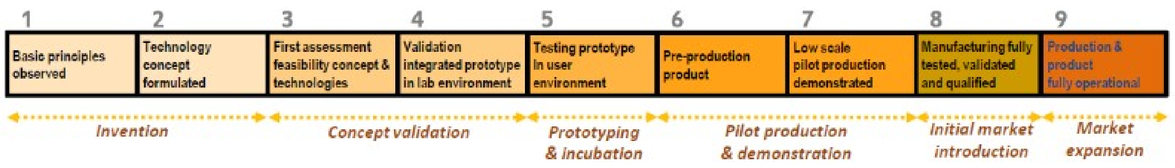


FIGURE 5: PATH OF LIGHT FOR OFF PIXEL (POSITIVE IMAGE)

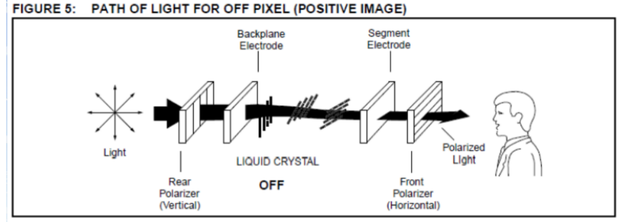
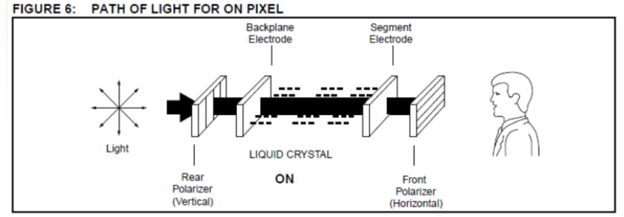



FIGURE 6: PATH OF LIGHT FOR ON PIXEL