## Vision (Shaheen)

Convert to HSV, easy colour manipulation

[RGB to HSV conversion | color conversion (rapidtables.com)](https://www.rapidtables.com/convert/color/rgb-to-hsv.html)

Separate H into discrete bands to posturize

Round to nearest band and convert back to RGB

[RGB to HSV, HSV to RGB Conversion Calculator (had2know.org)](https://www.had2know.org/technology/hsv-rgb-conversion-formula-calculator.html)

Use MM slave to allow variable access to NIOS 2 software instead of recompiling to tweak variables