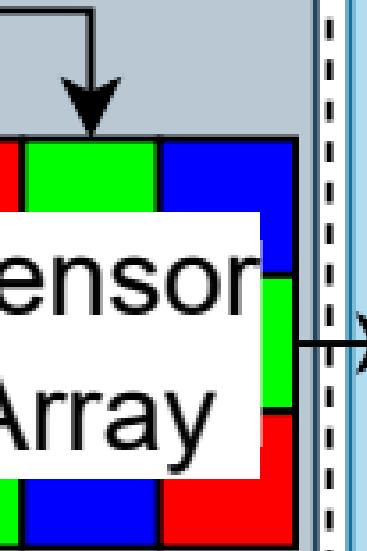


## Fully Analog Domain



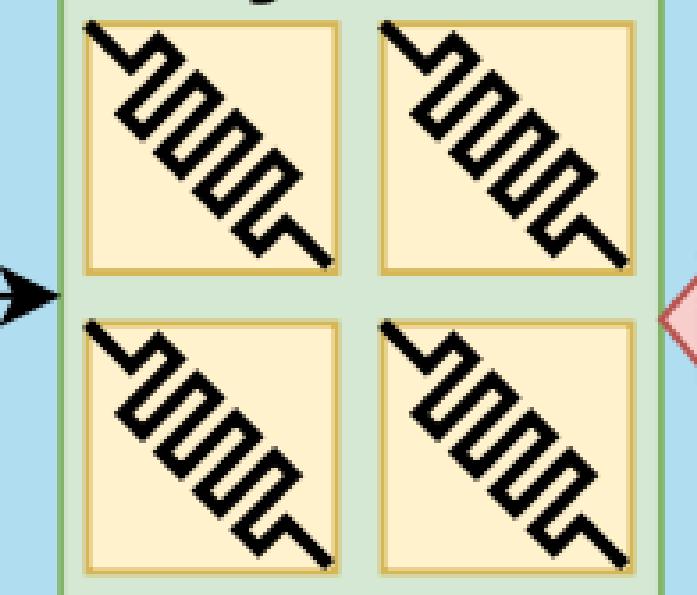
Wild Life Monitoring

## Mixed Signal Domain

xBAR Array  $\times$  # Layers

eDRAM

D2A



## Fully Digital Domain

# Layers

MCU  
ReLU  
SoftMax  
Control

Tiger (78.4%)

Bear (72.3%)

Inefficient Domain transfer in every layer