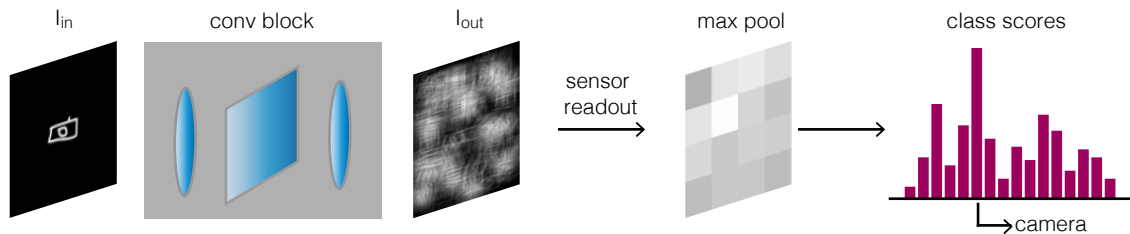


a) Schematic of an optical correlator

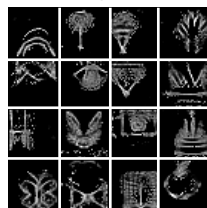


b) Optimized kernels

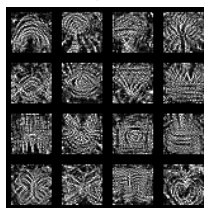
multichannel, unconstrained
accuracy = 0.7591



multichannel, nonneg.
accuracy = 0.7786



tilted kernels, nonneg.
accuracy = 0.7216



large kernel, nonneg.
accuracy = 0.7345



c) Phase mask optimization for large kernel

