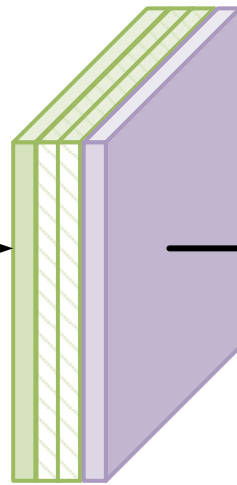


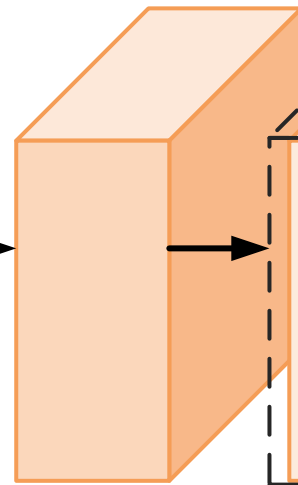
Input color image: I_{v_1, s_L, l_L}^{YUV}



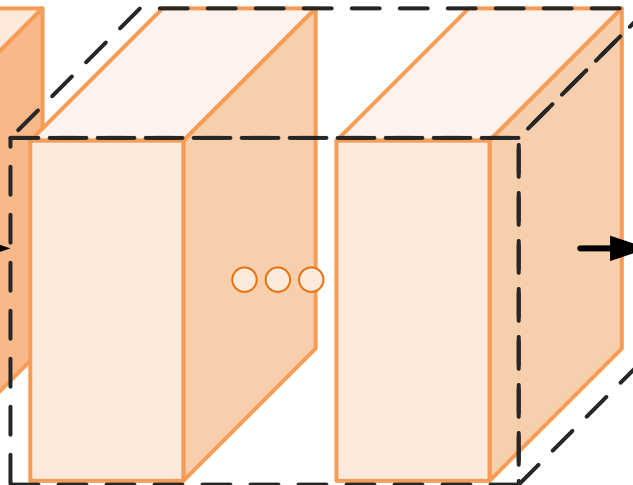
Concatenate



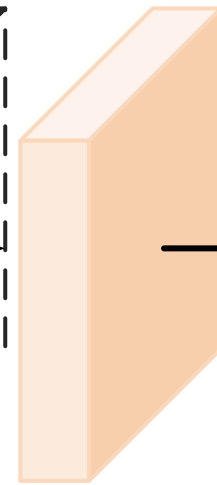
Conv
k9n64



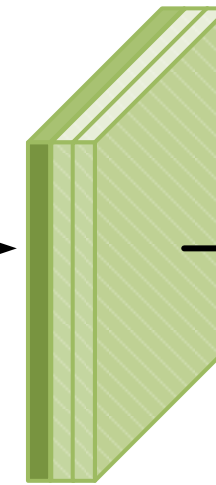
Conv+ReLU
(k3n64) x 5



Conv
k3n3



Sigmoid
+Bias



$\tilde{I}_{v_1, s_L, l_H}^{YUV}$

Downsampled monochrome image $\tilde{I}_{v_2, s_L, l_H}^Y$