RPN

Objectness Loss

RPN bbox Loss

Proposals

Classification Loss

Box-head bbox Loss

box head

Roi-Align   7x7   Flatten   Fc-1   Fc-2

Backbone

FPN

Proposals

Roi-Align   7x7
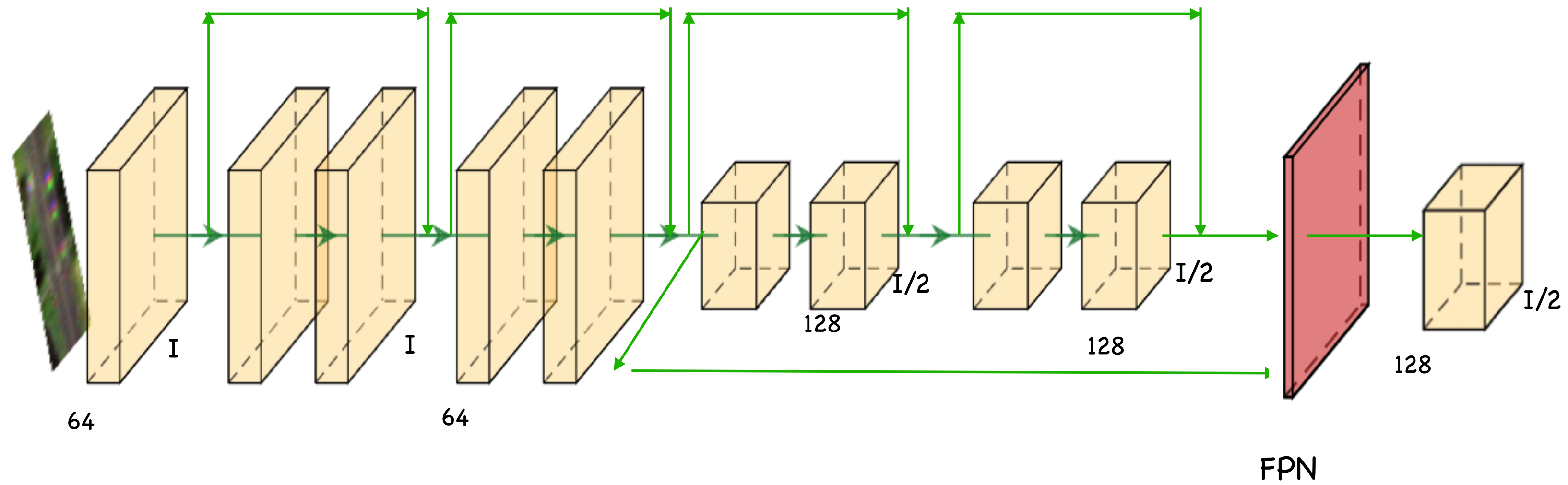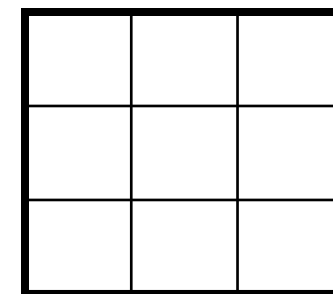
Keypoint head

128   128   Conv Transpose   Keypoint Loss

Backbone

Stem

Layer 1

Layer 2

FPN

Remove stride & Maxpool

3×3 filter