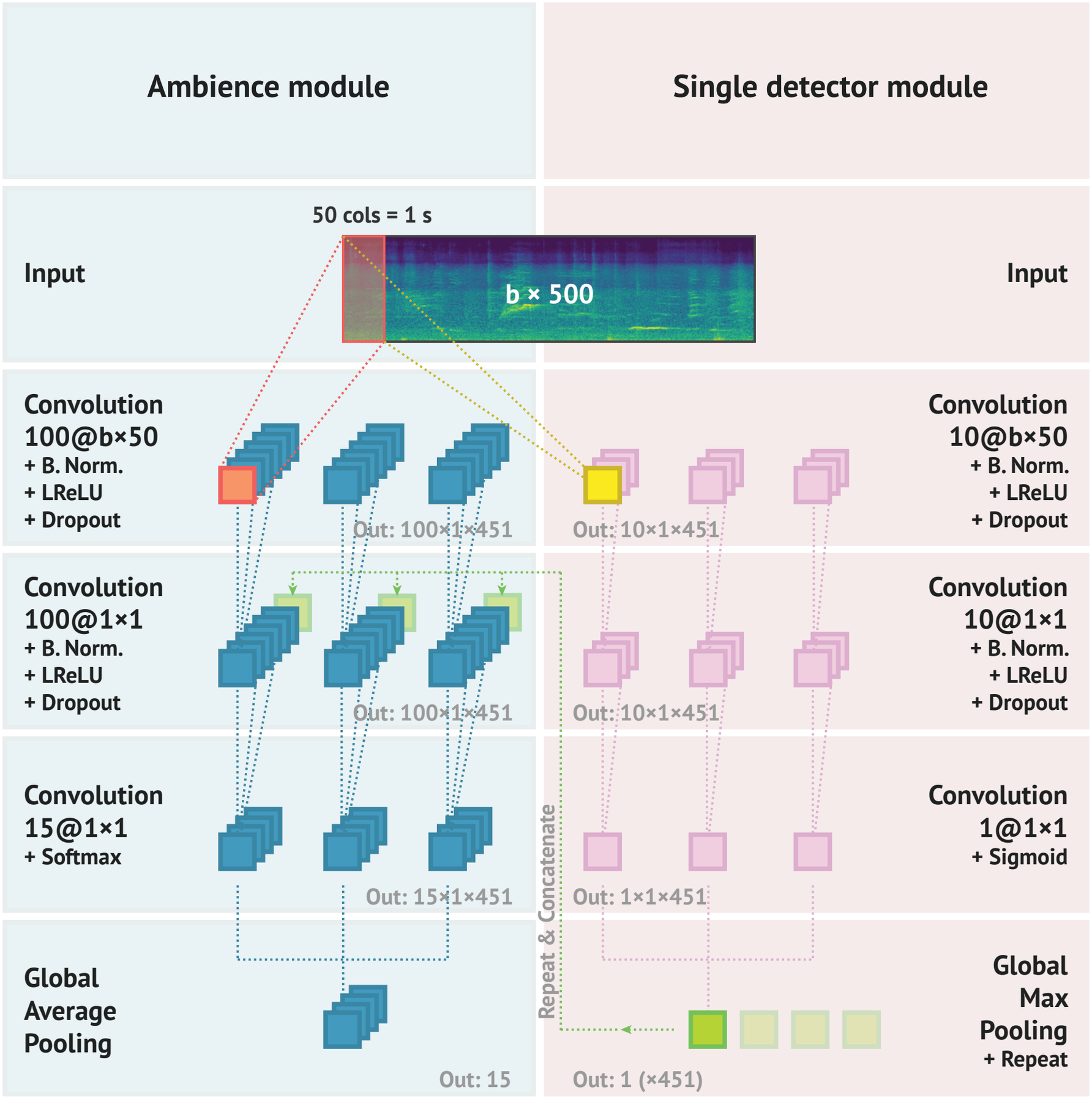
Ambience module
Single detector module
Input
50 cols = 1 s
b × 500
Input
Convolution
100@b×50
+ B. Norm.
+ LReLU
+ Dropout
Out: 100×1×451
Out: 10×1×451
Convolution
10@b×50
+ B. Norm.
+ LReLU
+ Dropout
Convolution
100@1×1
+ B. Norm.
+ LReLU
+ Dropout
Out: 100×1×451
Out: 10×1×451
Convolution
10@1×1
+ B. Norm.
+ LReLU
+ Dropout
Convolution
15@1×1
+ Softmax
Out: 15×1×451
Out: 1×1×451
Convolution
1@1×1
+ Sigmoid
Repeat & Concatenate
Global
Average
Pooling
Out: 15
Out: 1 (×451)
Global
Max
Pooling
+ Repeat