

Binarization Branch

Background Estimator Branch

Text Mask Branch

Convolutional Feature Maps (32)

Input **RGB**
[Image]

Block(3 , 3, Tanh)

Output **RGB**
[Background]

Block(7 , 1, Sigmoid)

Output **Binary**
[Text Mask]

-

X

+

Block(7 , 32, GELU)

+

Block(7 , 16, GELU)

+

Block(7 , 1, Sigmoid)

Output **Binary**
[Handwritten Text]

Block (n, m , activation)

Conv2D(n x n , m maps)
BatchNorm2D(m maps)
Activation()

