Image

Saliency

Conv

Sal\_Calc

Feature Map

Mask

Feature Map after Mask

Neural Network

Multiply

Combine Data

Input

Hidden

Hidden

Hidden

……

Divide Connection

Merge Connection

innerMast Connection

H1

Conv1

H1

H2

Conv2

H1

H2

Conv2

H2

Out

Pad

Conv

Pool max

Pad

Conv

Pool avg

Pad

Conv

Pool avg

Full

Saliency

Image

Conv

Feature Map

Mask

Conv

InnerMask

Image

Conv

Feature Map

Mask

Conv

InnerMask

Saliency

Image

Conv

Feature Map

Mask

Linear sum

MultiInnerMask

Saliency

S

Sort

Mask

Mask

Sigmoid

Rectify

Mask

Mask

Mask

Mask

By abs sum of act

Mask

Mask

Mask

Mask

Pick top k

Set others to 0