Resize (300x300)

Random Crop 224x224)

Central Crop (MxN)

Long/Short term actions

Flow

ResNet50

Object Stream

LSTM$_1$ SoftMax$_1$

LSTM$_w$ SoftMax$_w$

Output Vector$_{RGB}$ (Lx W)

ResNet50

Motion Stream

LSTM$_1$ SoftMax$_1$

LSTM$_w$ SoftMax$_w$

Output Vector$_{Flow}$ (Lx W)

Class Score Fusion

Predicted Action Label