

Model	METEOR
LSTM	26.9
Joint-LSTM unidirectinal (ours)	29.5
S2VT	
-RGB (VGG)	29.2
-RGB (VGG)+Flow (AlexNet)	29.8
LSTM-E (VGG)	29.5
LSTM-E (C3D)	29.9
Yao et al.	29.6
Joint-BiLSTM reinforced (ours)	30.3