

| Method | UCF101 | HMDB51 |
|--------------------------------|-------------|-------------|
| Two-frame Models | | |
| Scratch | 51.3 | 23.9 |
| FlowNet fine-tune | 66.0 | 29.1 |
| Stacked | 69.6 | 42.4 |
| ActionFlowNet-2F (UCF101) | 70.0 | 42.4 |
| ActionFlowNet-2F (FlCh+UCF101) | 71.0 | 42.6 |
| ImageNet pretrained ResNet-18 | 80.7 | 47.1 |
| Multi-frame Models | | |
| Multi-frame FlowNet fine-tune | 80.8 | 50.6 |
| ActionFlowNet (UCF101) | 83.9 | 56.4 |
| Sports-1M pretrained C3D | 82.3 | 53.5 |
| Kinetics pretrained I3D | 95.6 | 74.8 |