	Body joint-based features only			Holistic features only		Body joint-based an
	3D joints	2D joints	Action recognition	CNN-ISA	C3D	3D joints + CNN-ISA
$\mathtt{lstm}_J$	90×90	52×52	—	—	—	90×90
$\mathtt{fc1}$	92×50	54×50	402×400	400×400	4096×400	492×400
$\mathtt{lstm}_H$	50×50	50×50	400×400	400×400	400×400	400×400
$\mathtt{fc2}$	50×20	50×20	400×100	400×100	400×100	400×100
$\mathtt{fc3}$	20×2	20×2	100×2	100×2	100×2	100×2