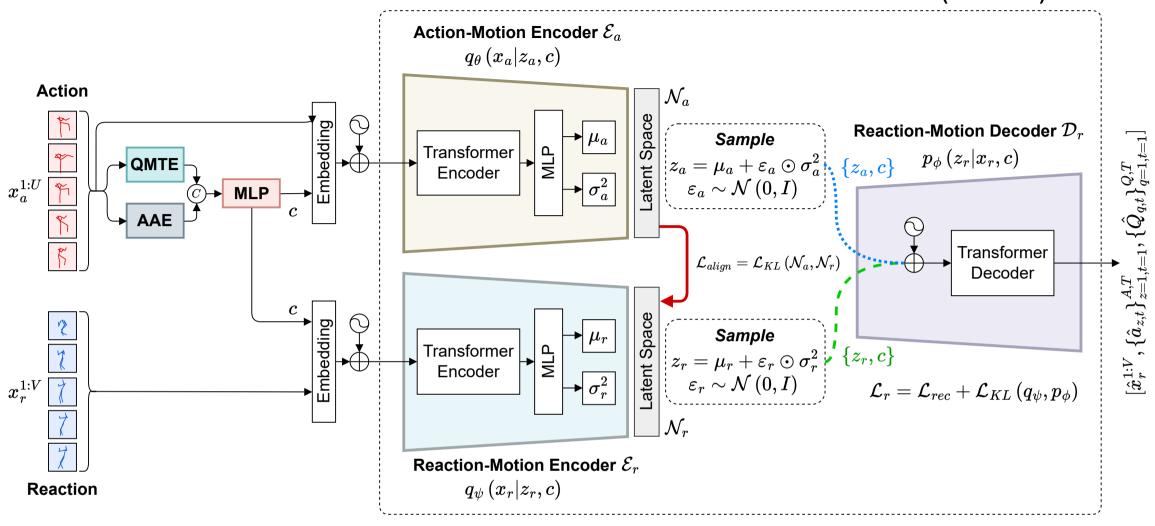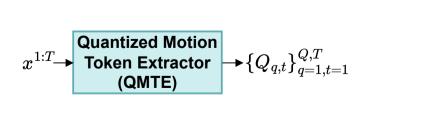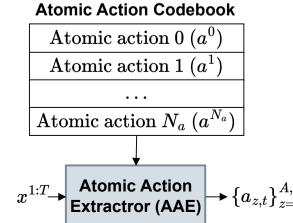Dual-Encoder Conditional Variational Auto Encoder (DE-CVAE)