



$(a_t, a_{t+1}, \dots, a_{t+k})$   
 $(z_t, z_{t+1}, \dots, z_{t+k})$   
or

Video Decoder



Action Decoder



Cross Attn & FFN

AdaLN

FFN

AdaLN

FFN

LayerNorm

Tri-model Joint Attention

QKV

AdaLN

Video Gen. Model

$\tau_v$



Video Encoder



QKV

AdaLN

Action Expert



Action Encoder



QKV

LayerNorm

Und. Expert

$\tau_a$



Pre-trained VLM



put bread into  
oven