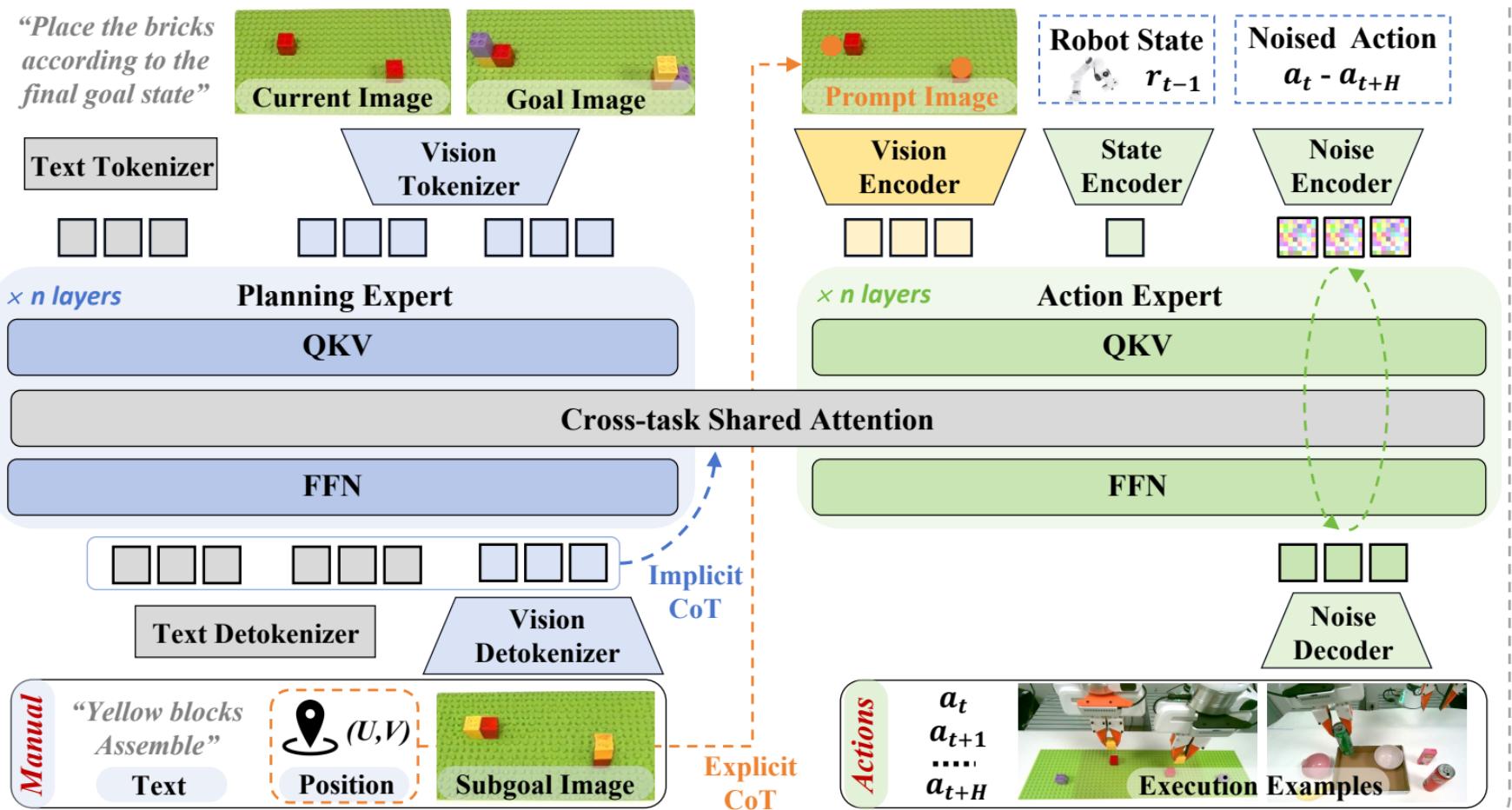
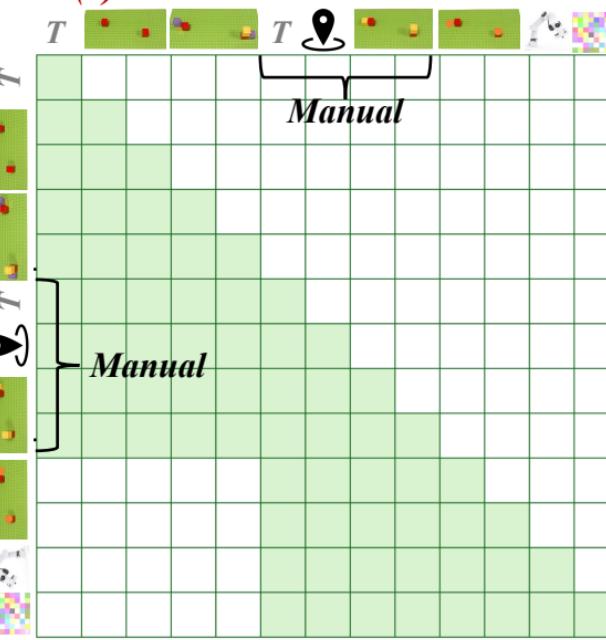


(a) ManualVLA**(b) Cross-task Attention Mask****(c) Training stage**

- Stage 1: Planning Expert : Frozen Action Expert : Pretrain
- Stage 2: Planning Expert : Pretrain Action Expert : Frozen
- Stage 3: Planning Expert : Fine-tune Action Expert : Fine-tune
- Legend: : Frozen : Pretrain : Fine-tune