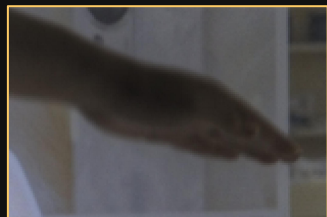
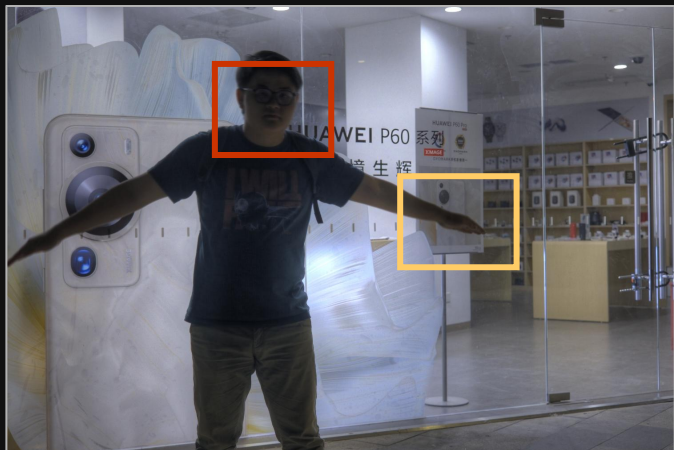
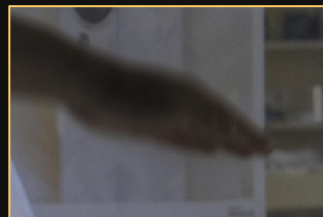
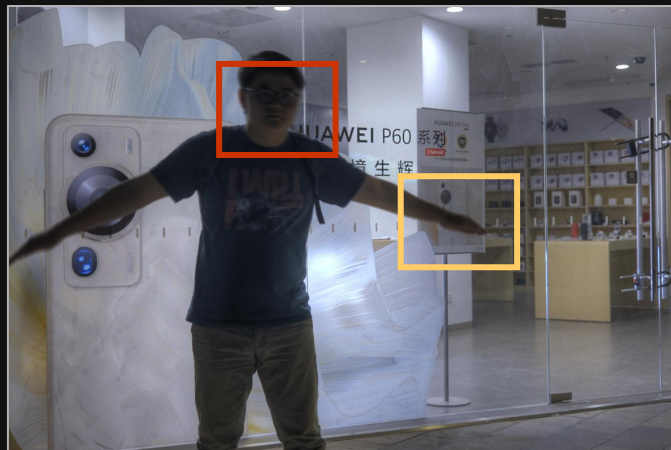


AdaptiveAE: An Adaptive Exposure Strategy for HDR Capturing in Dynamic Scenes

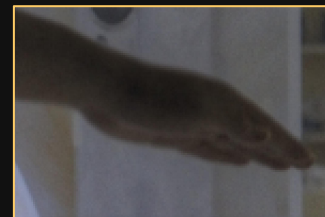
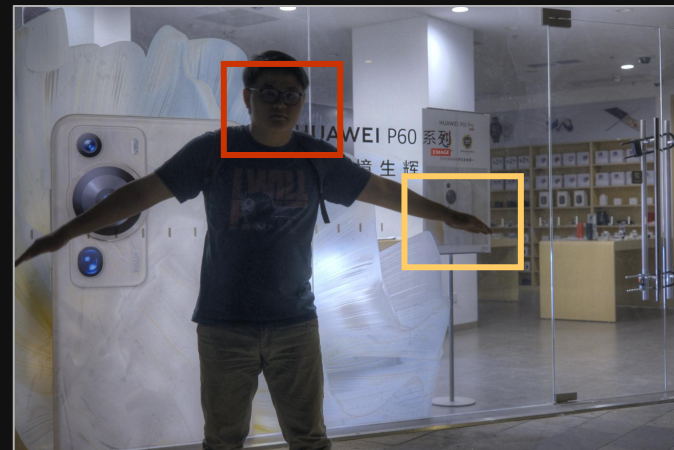
HDR
Results



Wang *et al.*



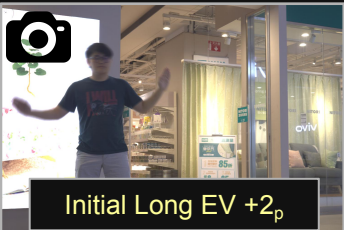
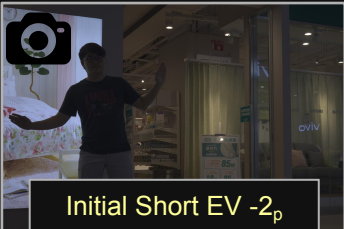
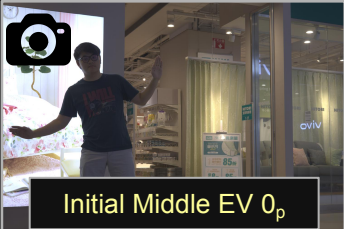
Hasinoff *et al.*



Ours

Working Pipeline

LDRs

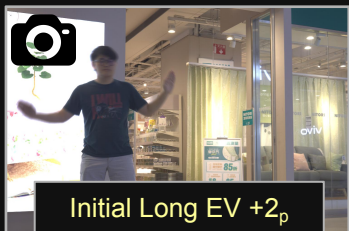
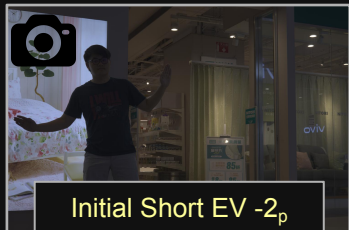
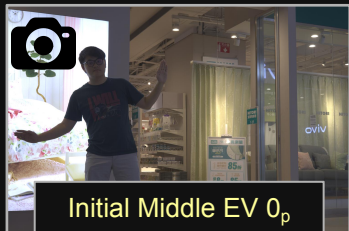


S_0

Working Pipeline

Input

LDRs

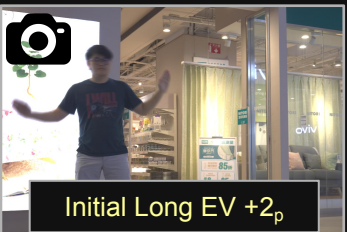
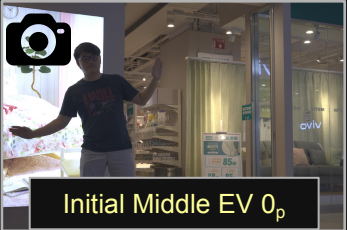


S_0

Working Pipeline

Input

LDRs



s_0

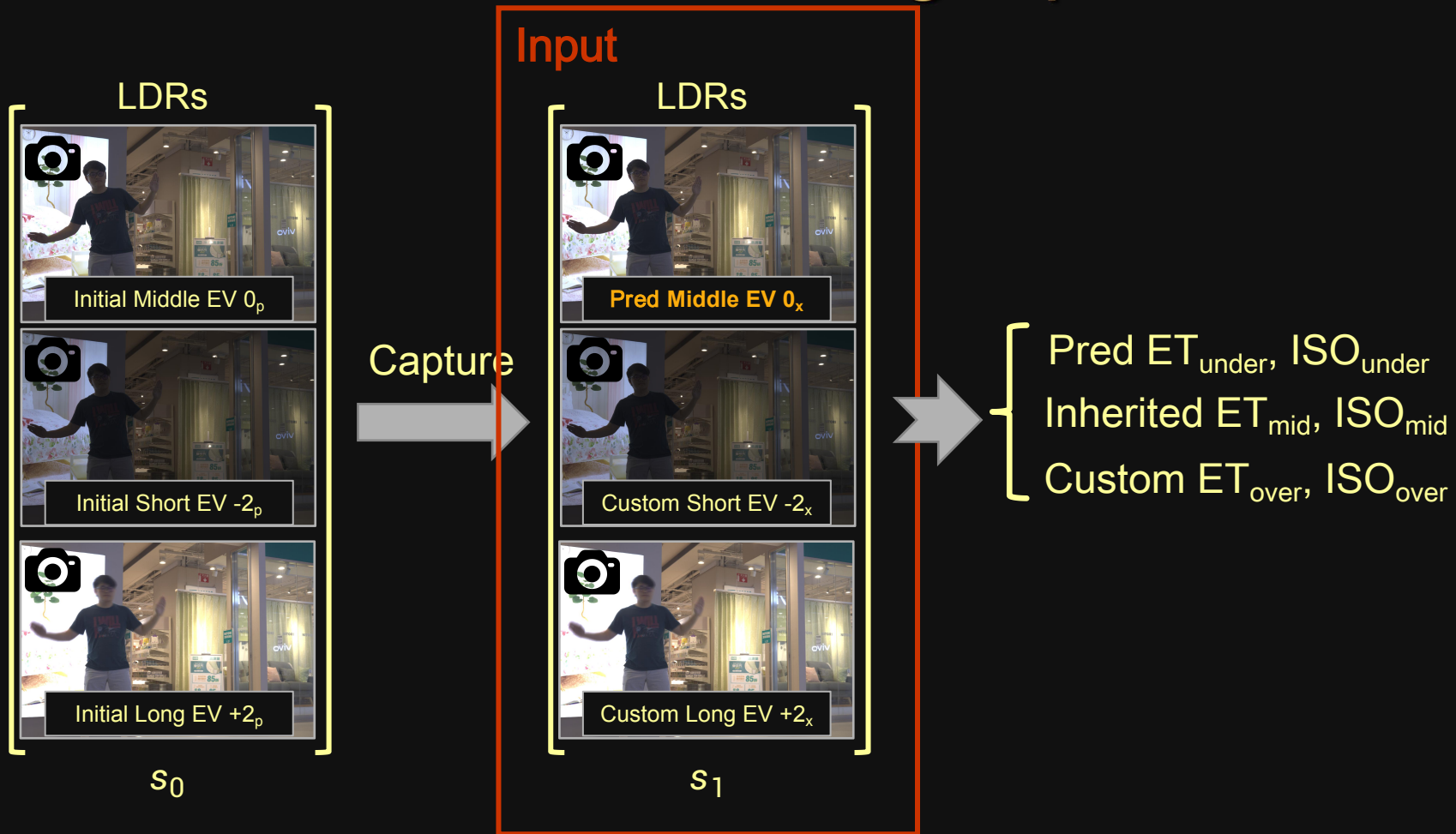


Pred ET_{mid} , ISO_{mid}

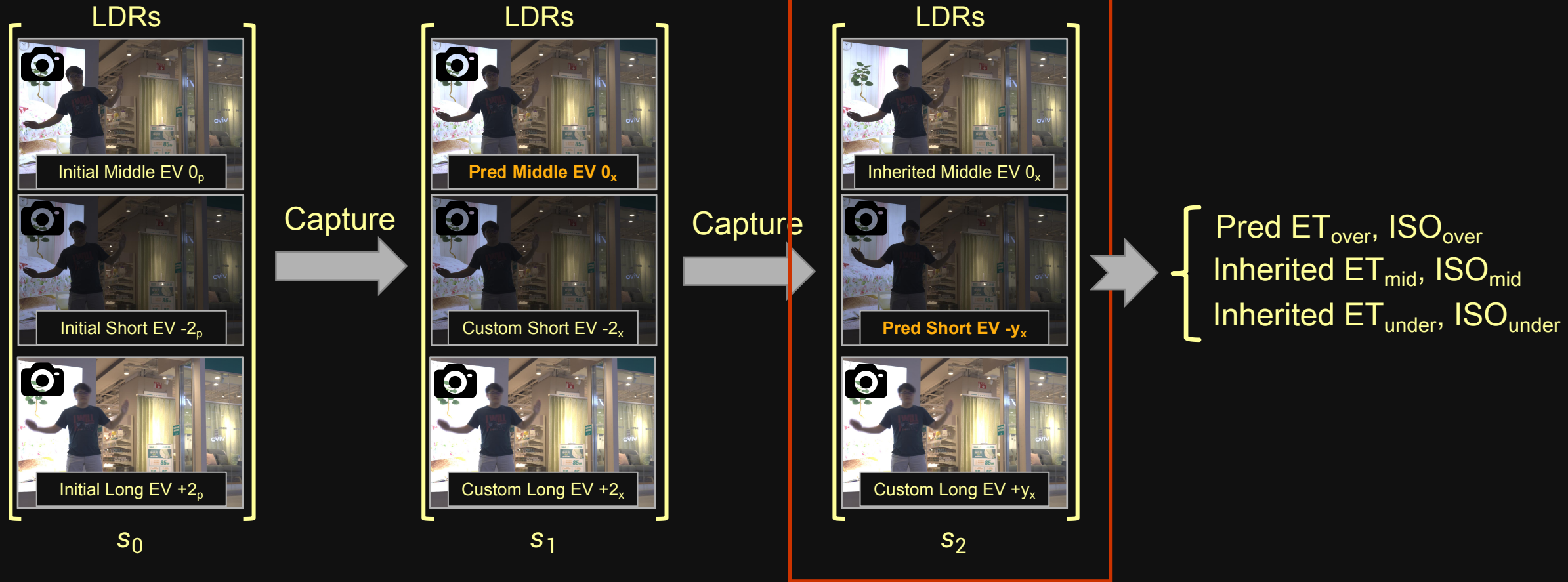
Custom ET_{under} , ISO_{under}

Custom ET_{over} , ISO_{over}

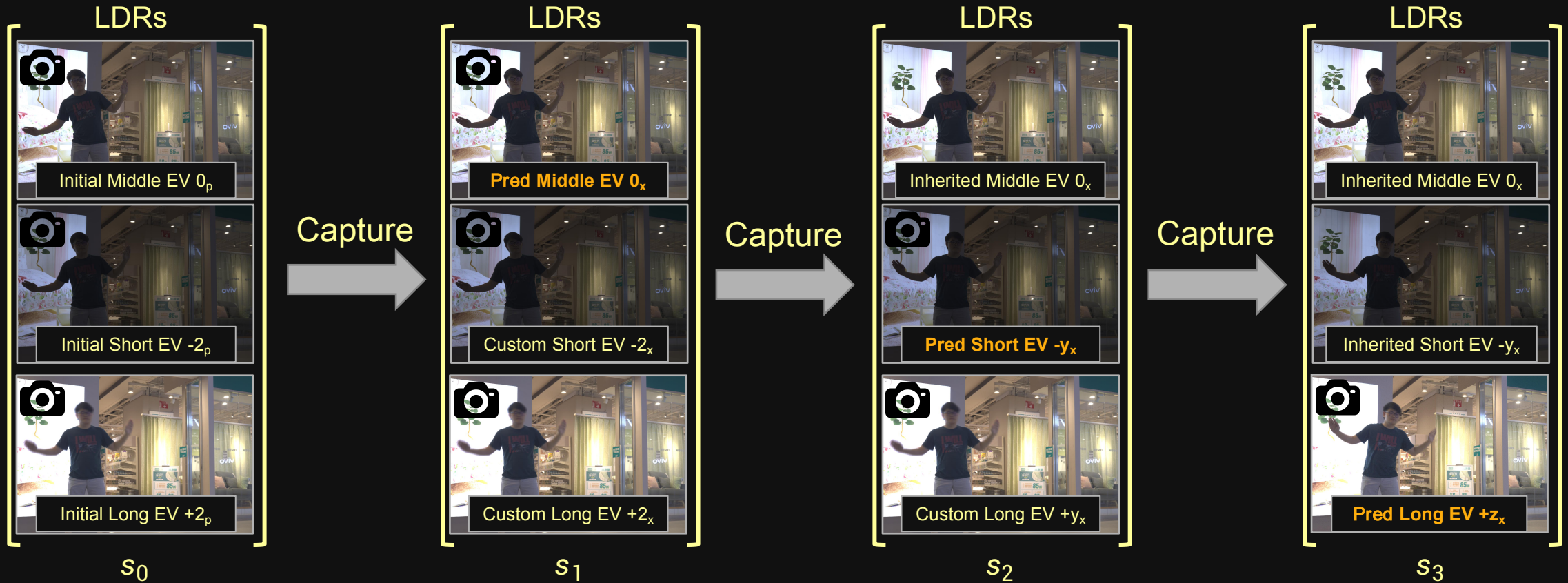
Working Pipeline



Working Pipeline



Working Pipeline

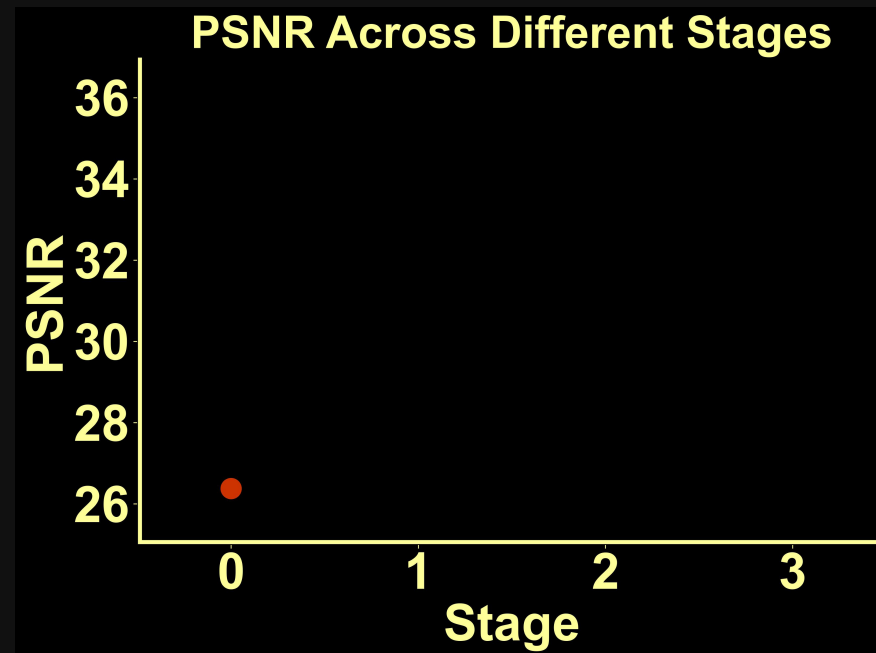




Ground Truth



Stage 0: $(-2_p, 0_p, +2_p)$

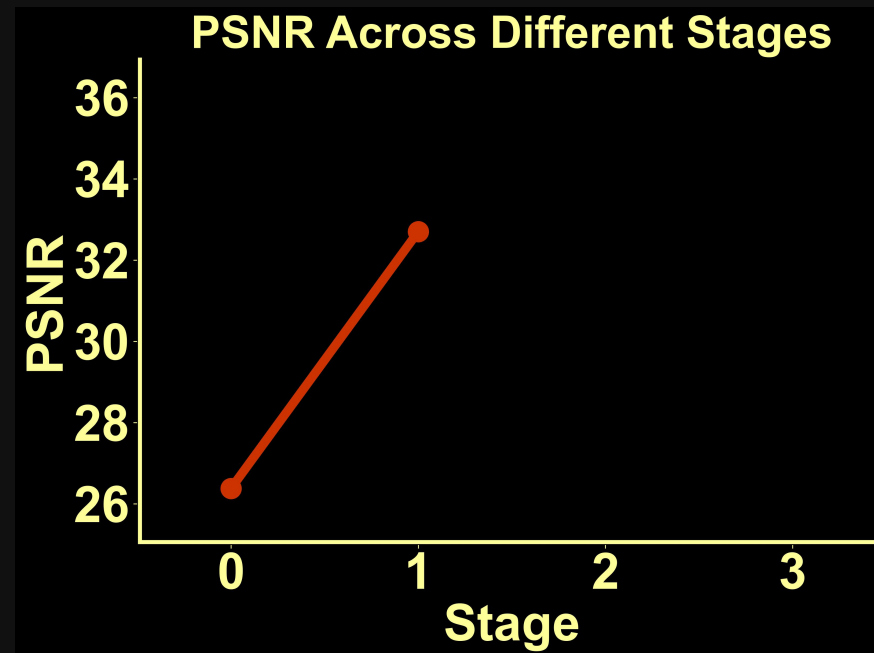




Ground Truth



Stage 1: $(-2_x, 0_x, +2_x)$

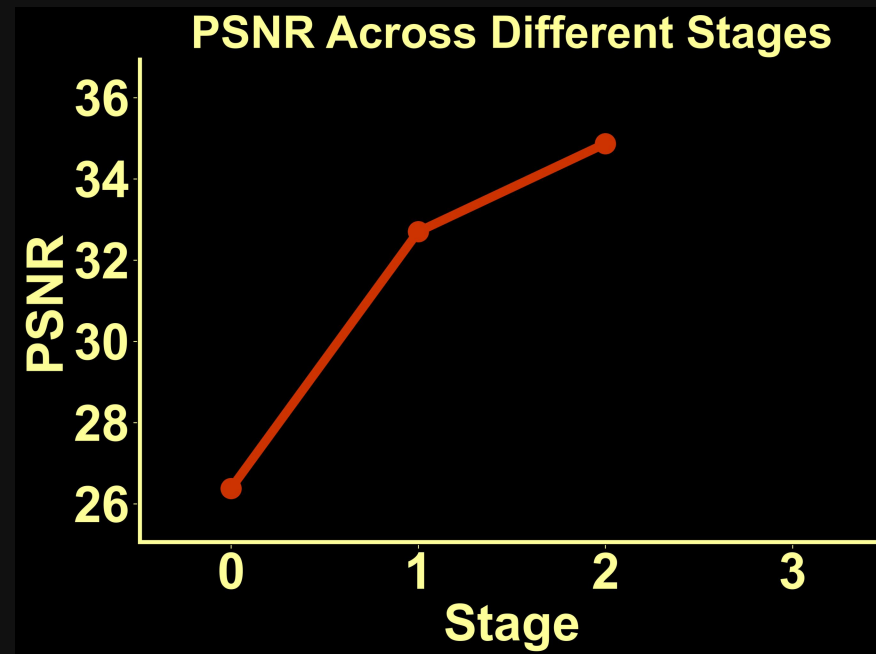




Ground Truth



Stage 2: $(-y_x, 0_x, +y_x)$

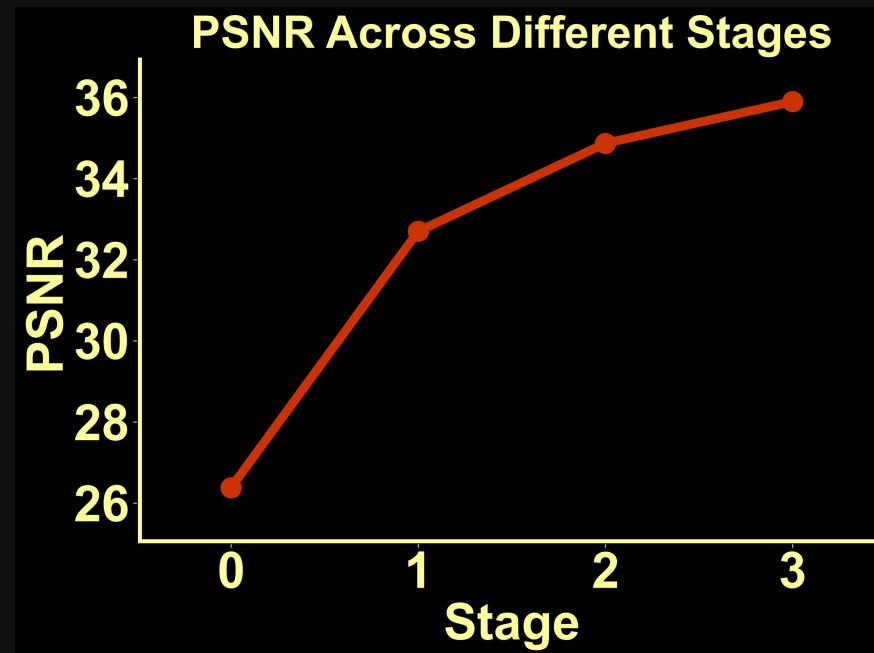




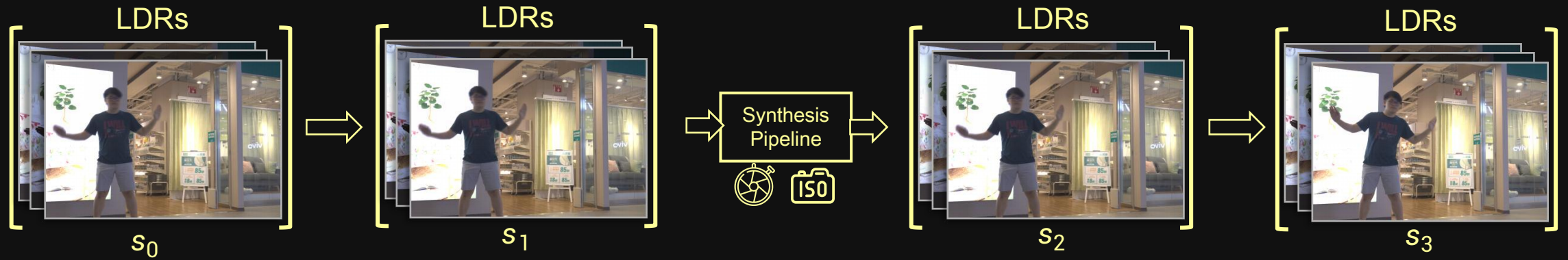
Ground Truth



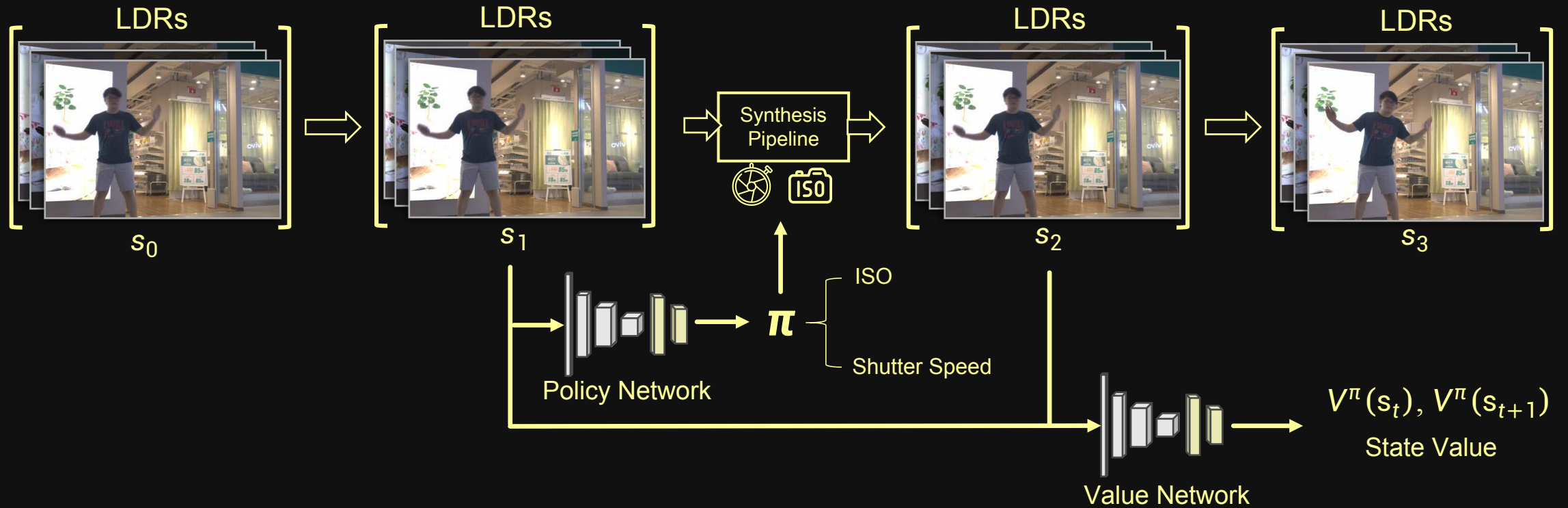
Stage 3: $(-y_x, 0_x, +z_x)$



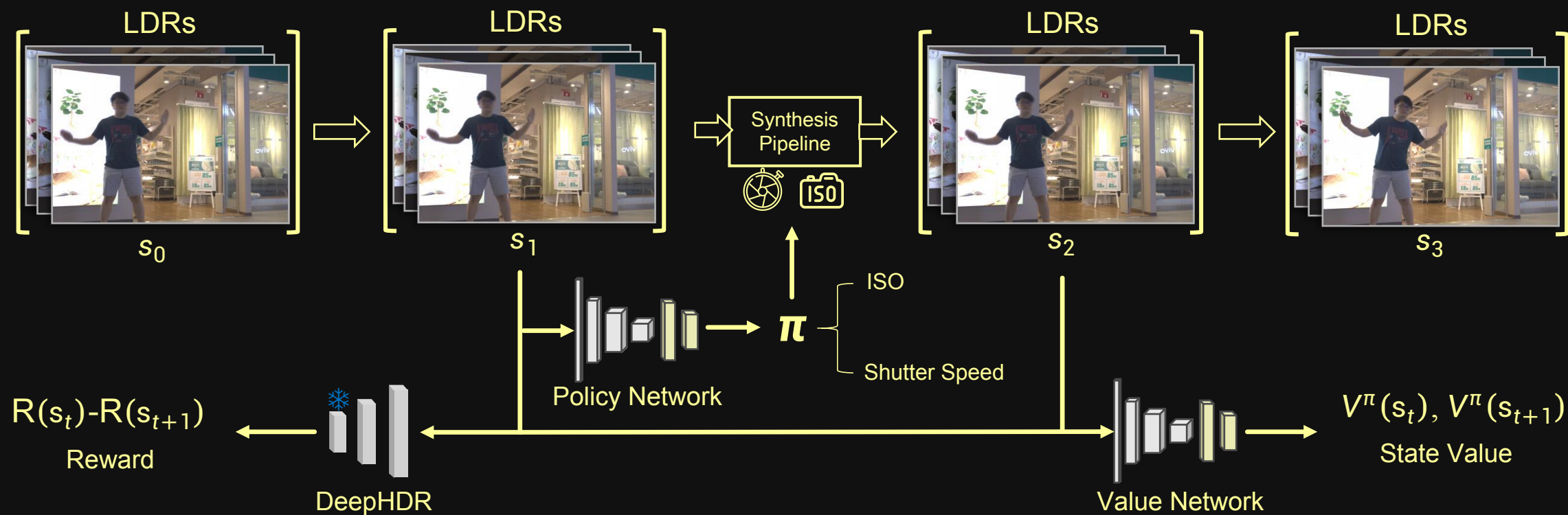
Training Framework



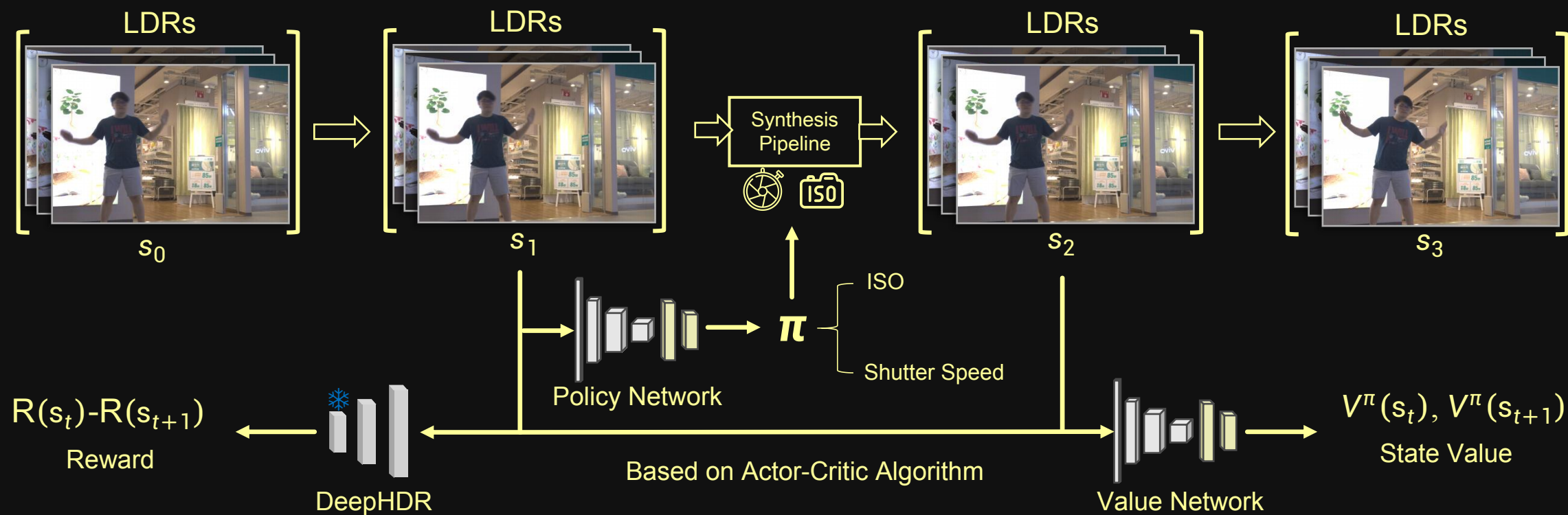
Training Framework



Training Framework



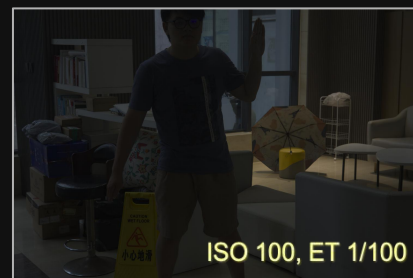
Training Framework



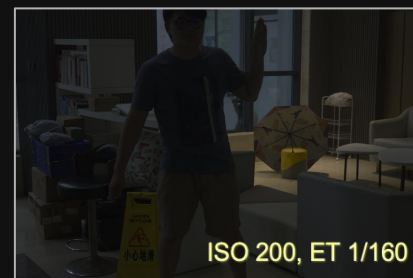
LDRs



LDRs



LDRs



LDRs



Scene



Pourreza *et al.*

Hasinoff *et al.*

Wang *et al.*

Ours



Scene



Pourreza *et al.*



Hasinoff *et al.*



Wang *et al.*



Ours



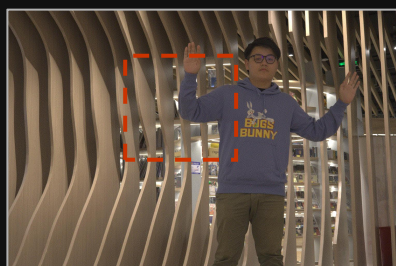
Ground Truth

Pourreza *et al.*

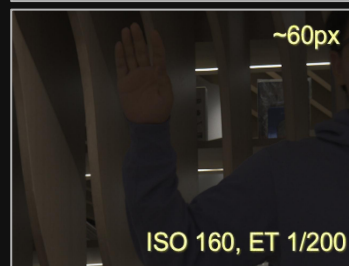
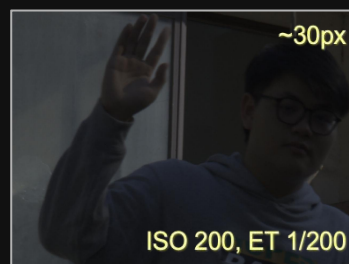
Hasinoff *et al.*

Wang *et al.*

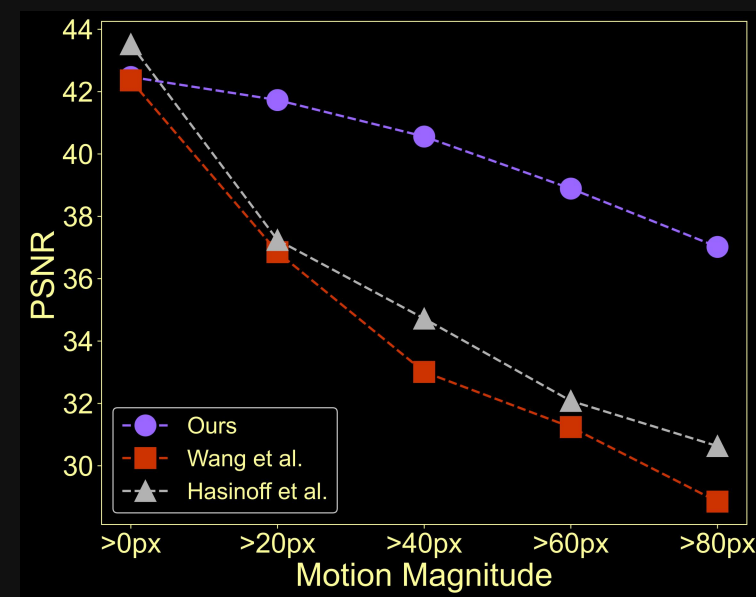
Ours



Scene



Under-exposed Middle-exposed Over-exposed





Wang *et al.*

Hasinoff *et al.*

Ours



Wang *et al.*

Hasinoff *et al.*

Ours

Thank you for watching.