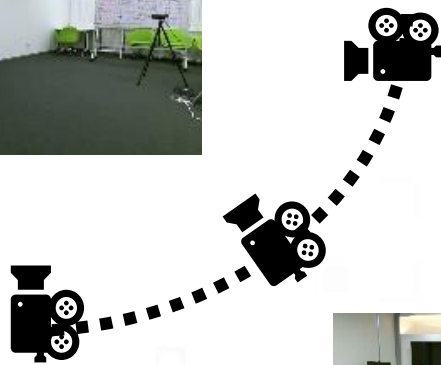




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**COMPUTER VISION**

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# A Recurrent Transformer Network for Novel View Action Synthesis

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# Task

- Given:
  - action video
  - appearance prior
- Goal: synthesize action from novel viewpoint



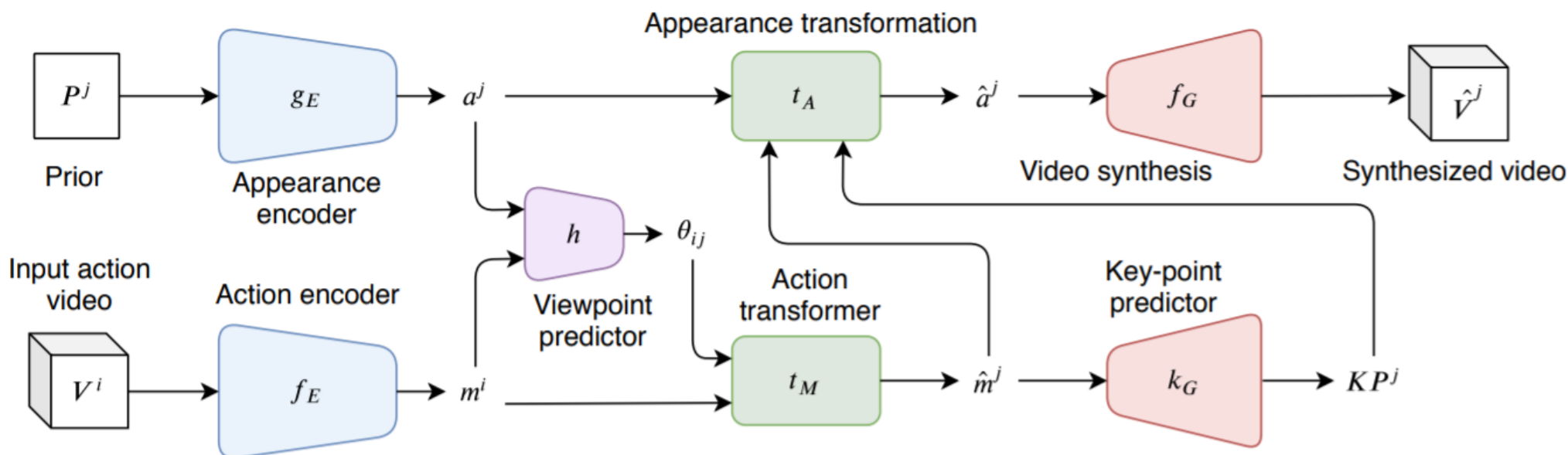
Input Video



Desired Output/Novel View

# Our Approach

- Transform action features to new viewpoint
- Predict action key-points
- Recurrently transform appearance features according to action





# Qualitative Results

Input  
Video



Synthesized  
Video



Ground  
Truth  
Video

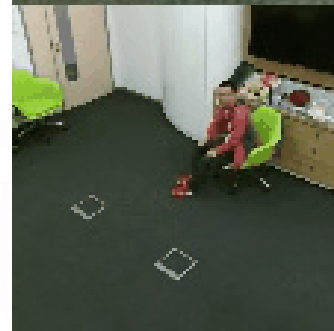


# Qualitative Results

Input  
Video



Synthesized  
Video



Appearance  
Prior





Thank you!