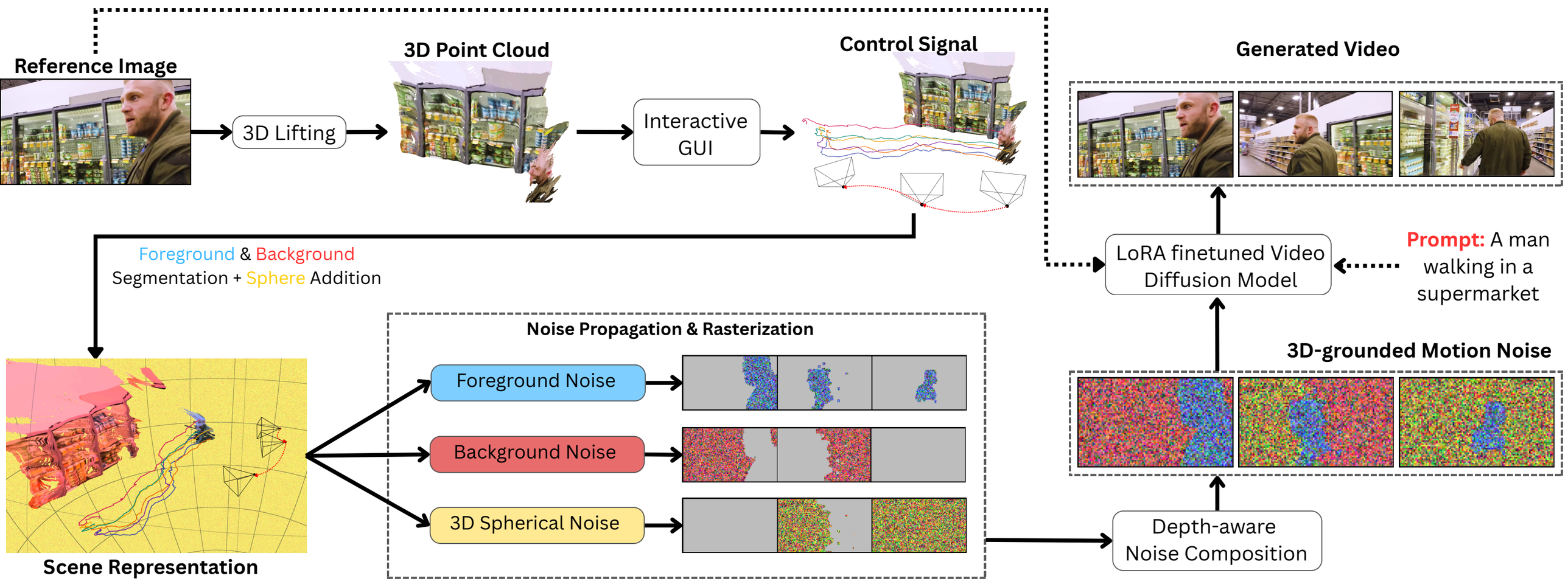

Reference Image
3D Lifting
3D Point Cloud
Interactive GUI
Control Signal
Generated Video
Foreground & Background
Segmentation + Sphere Addition
LoRA finetuned Video Diffusion Model
Prompt: A man walking in a supermarket
Noise Propagation & Rasterization
Foreground Noise
Background Noise
3D Spherical Noise
3D-grounded Motion Noise
Depth-aware Noise Composition
Scene Representation