

Generative Reconstruction

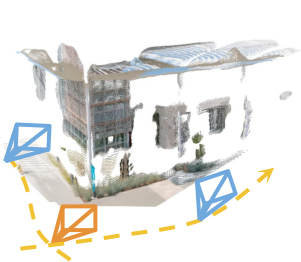
Traj. Planning

Input View



Cam-Conditioned Generation

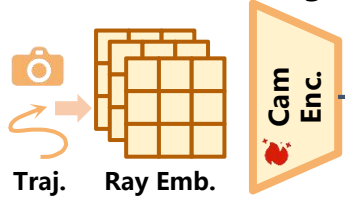
Input & Generated Views



Robust 3DGS Recon.

Cam-Conditioned Generation

Camera Embeddings



Input Image



CLIP Image Encoder

Sample



Noised Target Views

Enc.

Spatial

Epipolar

Temporal

Spatial

Epipolar

Temporal

Video Denoising U-net

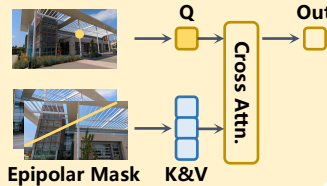
Dec.



Generated Views

Learnable Weights
Frozen Weights

Epipolar Attn.



Robust 3DGS Recon.

Input

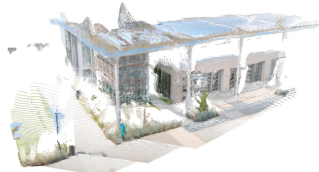


Gen.

Mono. Prior

Stereo Prior

Aligned Canonical Point Cloud



Conf. maps

Initialization



3D Gaussians

Uncertainty-aware
optimization

Diff. Rasterizer