

1 Text-to-Image Samples

We present some preliminary 720P 4-step samples from a 10B+ scale Text-to-Image model trained with pure TVM loss. This shows scaling potential for TVM.



Figure 1: A panoramic view of the Antarctic ice sheet, showcasing its vast, white expanse stretching endlessly into the distance, with intricate textures of snow and ice catching the sunlight. A distant mountain range rises sharply on the horizon, its rugged peaks contrasting against the smooth ice, all beneath a crystal-clear blue sky that enhances the sense of openness and isolation. The scene is illuminated by soft, natural light, emphasizing the pristine and untouched beauty of the frozen landscape, with subtle shadows adding depth and dimension, panoramic, natural light, high detail, serene.



Figure 2: A surreal scene featuring a giant clock draped and melting over the gnarled branches of an ancient oak tree, its distorted form blending into the rugged texture of the bark. The tree stands alone in a barren, cracked desert landscape, with the ground stretching endlessly into the horizon. The sky above is painted in striking, otherworldly shades of orange and purple, with soft gradients and swirling patterns that add a dreamlike quality to the atmosphere, surrealism, dreamscape, vibrant contrast, imaginative.



Figure 3: A small, sleepy hamster curled up in a cozy, miniature bed, its tiny body nestled under a soft, patterned blanket. The bed is crafted with delicate wooden details, surrounded by a few scattered miniature items like a tiny lamp and a book, creating a warm and inviting atmosphere. Soft, diffused lighting enhances the scene, casting gentle shadows and highlighting the textures of the blanket and fur, macro photography, cozy atmosphere, intricate details, soft lighting.



Figure 4: A luxurious leather handbag with a classic, timeless design, crafted from smooth, high-quality leather in a rich, deep brown tone, featuring elegant gold hardware accents such as a polished clasp and chain details. The bag is displayed in a photorealistic product photography setting, with soft, diffused lighting highlighting its texture and craftsmanship, and a spacious interior subtly visible with a neatly folded silk lining. The background is minimalistic, with a neutral gradient to emphasize the handbag's sophistication and premium appeal, product photography, luxury design, soft lighting, minimalism.



Figure 5: A majestic white horse galloping gracefully along a serene beach at sunset, its mane and tail flowing in the wind as it kicks up small sprays of water from the shoreline. The golden and orange hues of the setting sun reflect off the wet sand and the gentle waves, creating a warm and tranquil atmosphere. The background features a vast ocean meeting the horizon, with soft clouds tinged with pink and purple tones, adding depth and beauty to the scene, photorealistic, cinematic lighting, natural tones, serene composition.



Figure 6: The scene shows a forest trail winding through towering redwood trees, their trunks stretching high above and casting long shadows on the ground. A wooden sign at the trailhead reads "NATURE RESERVE," while hikers in bright jackets walk in small groups, carrying backpacks and cameras. Shafts of sunlight pierce through the canopy, illuminating patches of ferns and moss below.



Figure 7: Inside a rustic kitchen with exposed wooden beams and stone walls, a long table is covered with baskets of fresh bread, fruits, and vegetables. Copper pots hang from hooks above a cast-iron stove, and sunlight streams through a small window, illuminating handwritten recipes pinned to the wall beside shelves of clay jars and bottles.



Figure 8: The scene depicts a snow-covered alpine village at twilight, where clusters of wooden chalets with smoking chimneys are nestled against a steep mountainside. In the foreground, children pull sleds across a frozen pond, while adults carry shopping bags along a lantern-lit street. At the center of the square, a decorated evergreen tree glows with lights, its reflection visible in the icy surface. Beyond the rooftops, jagged peaks rise under a purple evening sky scattered with stars.



Figure 9: The image shows a stormy coastline where massive waves crash against jagged black rocks, sending plumes of spray into the air. A lone lighthouse stands on a cliff above, its rotating beam cutting through the mist. Seabirds wheel in the turbulent wind, and distant thunderclouds loom ominously over the churning sea.