1 Additional Quantitative Results

Methods	GenEval ↑				DPG ↑				T2I-CompBench ↑		
	Two Obj.	Counting	Color Attri.	Overall	Entity	Relation	Attribute	Overall	Color	Shape	Texture
Diffusion Models											
SDv1.5	-	-	-	0.40	74.23	73.49	75.39	63.18	0.3730	0.3646	0.4219
Lumina-Next	0.49	0.38	0.15	0.46	83.78	89.78	82.67	75.66	0.5088	0.3386	0.4239
SDv2.1	0.51	0.44	0.50	0.47	-	-	-	68.09	0.5694	0.4495	0.4982
SDXL	0.74	0.39	0.23	0.55	82.43	86.76	80.91	74.65	0.6369	0.5408	0.5637
SD3-medium	0.74	0.63	0.36	0.62	91.01	80.70	88.83	84.08	-	-	-
DALL-E3	0.87	0.47	0.45	0.67	89.61	90.58	88.39	83.50	0.8110	0.6750	0.8070
FLUX-dev	0.81	0.79	0.47	0.67	89.5	91.1	88.7	84.0	-	-	-
FLUX-schnell	0.92	0.73	0.54	0.71	91.3	86.5	89.7	84.8	-	-	-
AutoRegressive-Diffus	sion Mixed	Models									
Transfusion†	-	-	-	0.63	-	-	-	-	-	-	-
Show-o †	0.52	0.49	0.28	0.53	-	-	-	67.48	-	-	-
AutoRegressive Mode	ls										
LlamaGen	0.34	0.21	0.04	0.32	-	-	-	65.16	-	-	-
Chameleon	-	-	-	0.39	-	-	-	-	-	-	-
Janus†	0.68	0.30	0.42	0.61	87.38	85.46	87.70	79.68	-	-	-
Lumina-mGPT (Ours)	0.77	0.27	0.32	0.56	86.60	91.29	84.61	79.68	0.6371	0.4727	0.6034

Table 1: Quantitative comparison on text-to-image benchmarks. † indicates concurrent or later work.

Method	Non-Spatial	2D-Spatial	
Lumina-mGPT (Ours)	0.3176	0.2394	

Table 2: Performance on T2I-Compbench across spatial and non-spatial dimensions. Metrics are reported independently as these were not provided by prior works.

2 REVISED QUALITATIVE COMPARISON (FIG. 3)



Figure 1: Qualitative Comparison