

Model	Decoder Param(M)	$(d_t, d_h, d_w)$	FPS@512×512↑		UCF-101@256×256				OpenVid
			GPU	iPhone	PSNR↑	SSIM↑	LPIPS↓	rFVD↓	FVD↓
HunyuanVideo	146.1	(4, 8, 8)	10.1	<i>OOM</i>	36.48	0.9663	0.0126	1.52	305.38
Turbo-VAED-Hunyuan	<b>40.7</b>	(4, 8, 8)	87.5	<b>10.6</b>	36.62	0.9674	0.0154	2.43	306.74
CogVideoX	123.4	(4, 8, 8)	10.6	<i>OOM</i>	36.23	0.9591	0.0197	4.73	254.67
Turbo-VAED-Cog	<b>40.7</b>	(4, 8, 8)	87.5	<b>10.6</b>	35.58	0.9606	0.0181	3.09	278.78
Video DC-AE	239.0	(4, 32, 32)	12.4	<i>OOM</i>	34.94	0.9594	0.0196	4.74	216.07
Turbo-VAED-DC	<b>45.8</b>	(4, 32, 32)	552.5	<b>112.7</b>	34.05	0.9475	0.0266	6.44	219.53
LTX Video	238.8	(8, 32, 32)	290.6	17.7	32.40	0.9192	0.0394	25.86	178.82
Turbo-VAED-LTX	<b>41.9</b>	(8, 32, 32)	841.6	<b>161.8</b>	31.68	0.9209	0.0419	25.01	178.69