

VRM

VRM GLB

VRM glb

glb => json + binary

json 1MB

image [mesh]

5 5

Image

Image Texture(VRM PNG JPG

v0.56 4096x4096 1024x1024 -> MaxSize v0.58

<https://github.com/vrm-c/UniVRM/issues/502>

Mesh

Index Buffer Vertex Buffer

Index Buffer

Int

5

50000 x 4 Int = 4 x 3 => 0.6MB

GLTF unsigned short UniVRM 65536 50000

Vertex Buffer

BlendShape Normal Tangent

UniVRM-0.53

MESHUTILITY/BlendShape

50k 10k BlendShape 40k BlendShape

Blend $10000 \times (12 + 12) \Rightarrow 0.24\text{MB}$

Blend $50000 \times (12 + 12) \Rightarrow 1.2\text{MB}$

Draw

Mesh Utility



VRM BlendShape

Revision #2

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