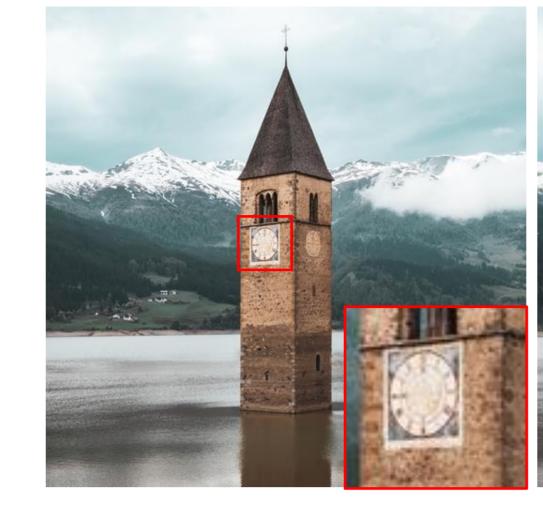
Ultra low bit-rate (<0.005bpp)

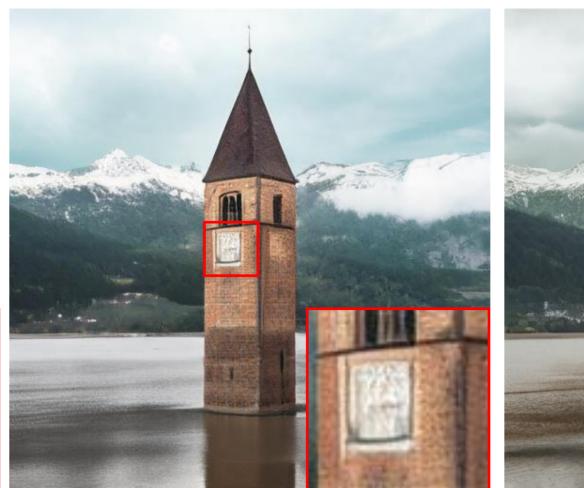


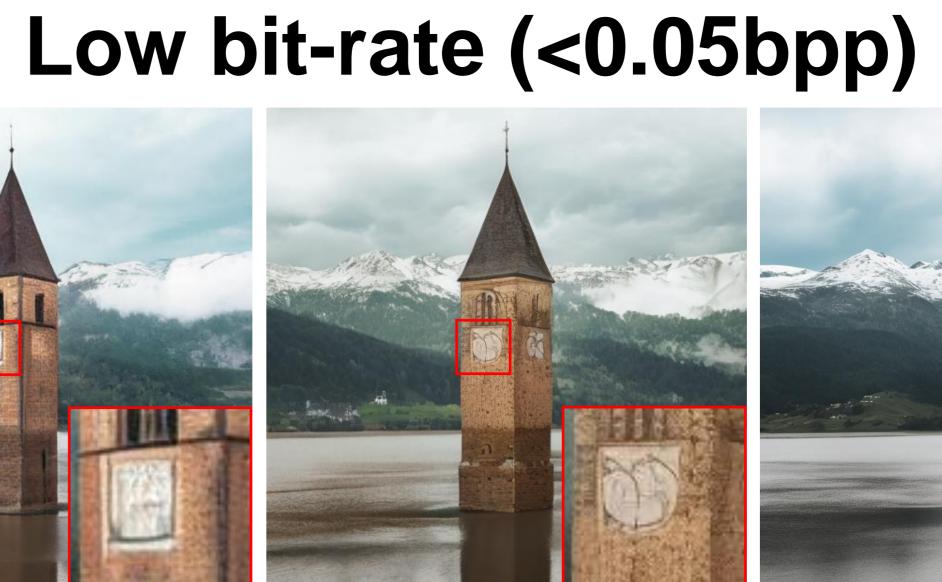






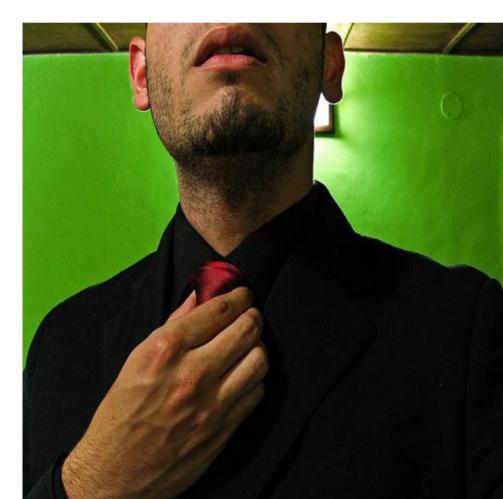


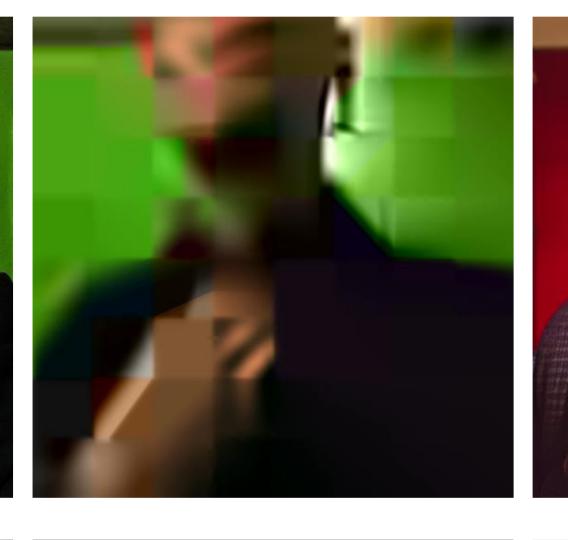




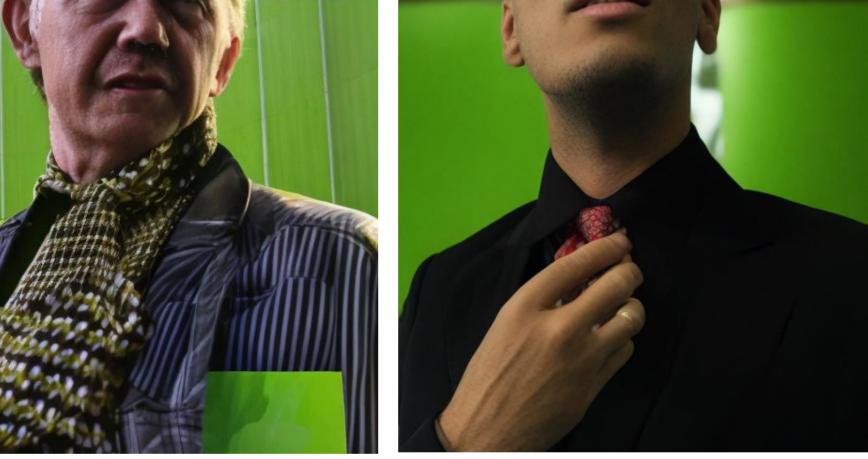


















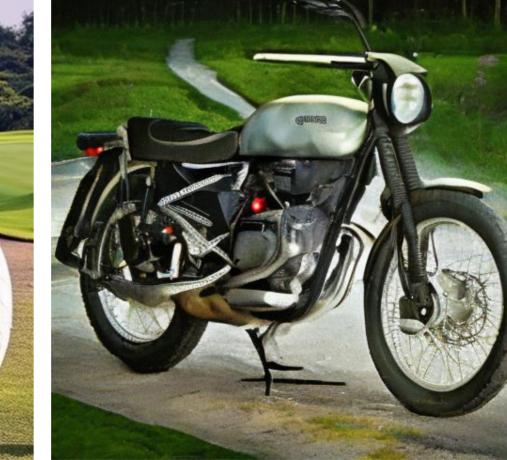




(a) Original



(b) VTM (c) Text-Sketch 0.0064bpp 0.021bpp



(d) Perco

0.0037bpp



(e) Ours 0.0034bpp











(a) Original

(c) Perco 0.035bpp

(d) DiffEIC 0.019bpp

(e) Ours 0.013bpp