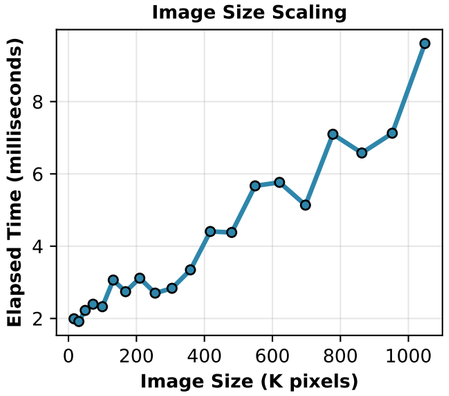
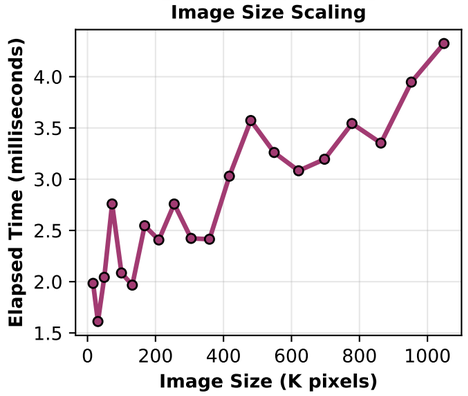
ZK-STEGANOGRAPHY DETAILED PERFORMANCE ANALYSIS
Image Size Scaling - 20 Data Points

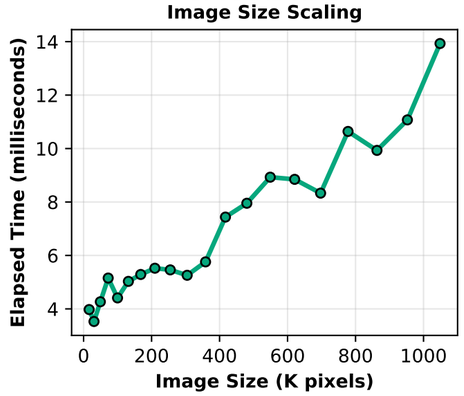
1. EMBEDDING TIME
Image Size Scaling



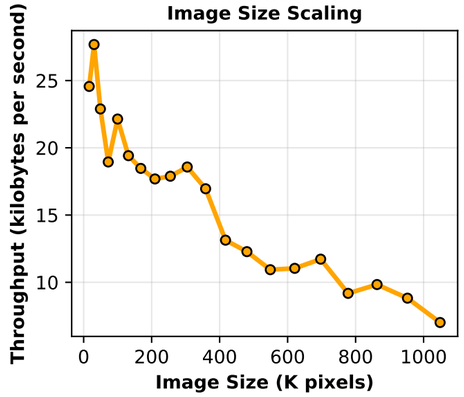
2. EXTRACTION TIME
Image Size Scaling



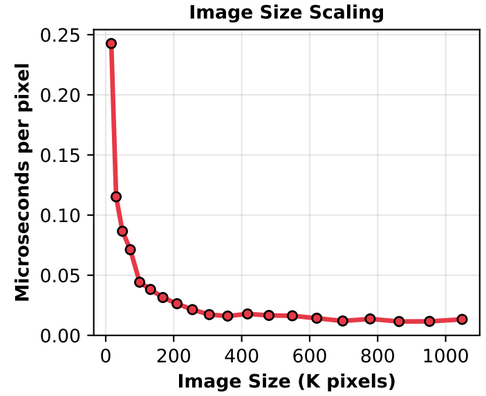
3. TOTAL TIME
Image Size Scaling



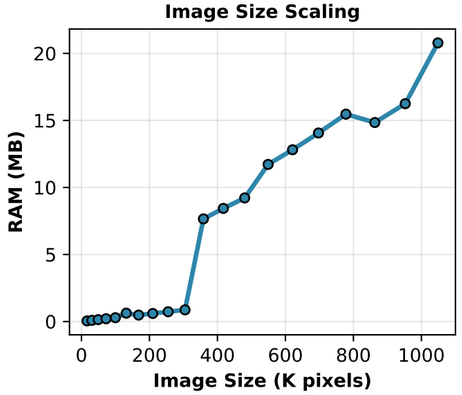
4. THROUGHPUT
Image Size Scaling



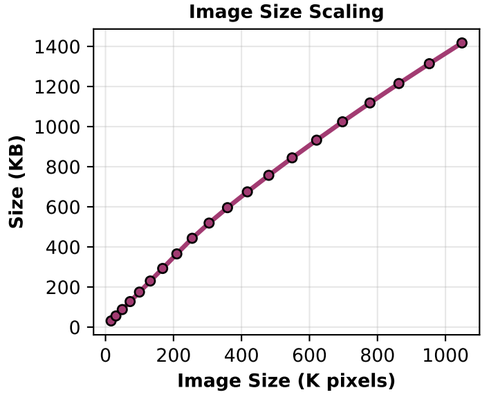
5. EFFICIENCY
Image Size Scaling



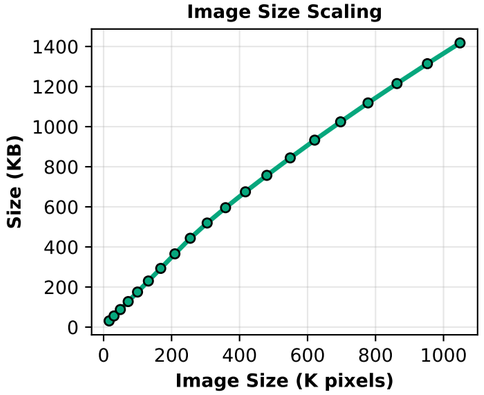
6. MEMORY USAGE
Image Size Scaling



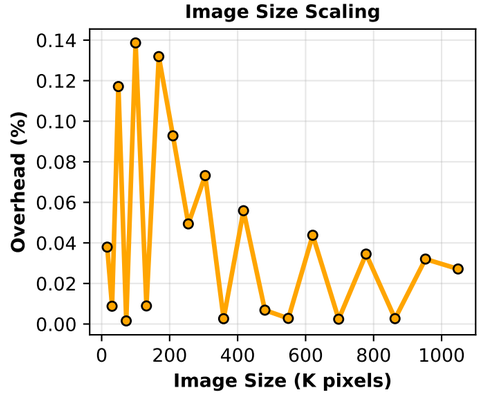
7. ORIGINAL SIZE
Image Size Scaling



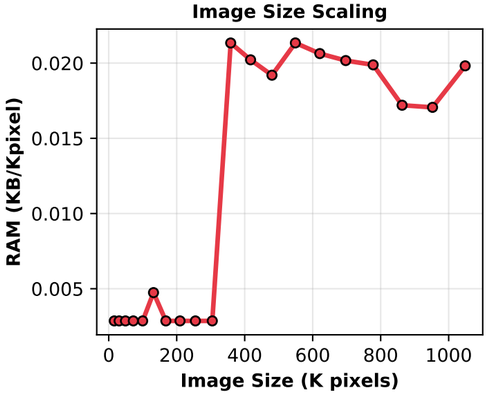
8. STEGO SIZE
Image Size Scaling



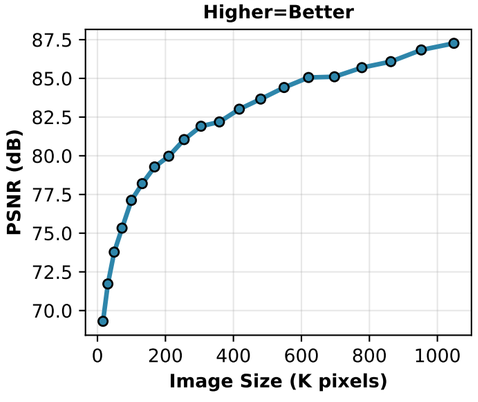
9. SIZE OVERHEAD
Image Size Scaling



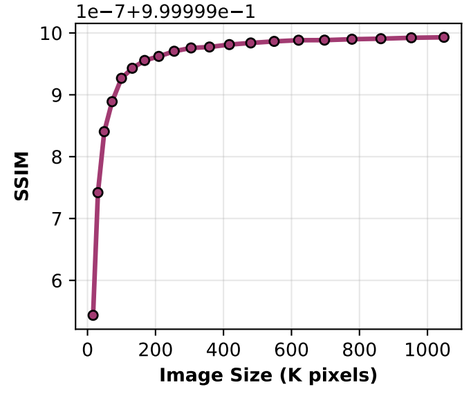
10. RAM EFFICIENCY
Image Size Scaling



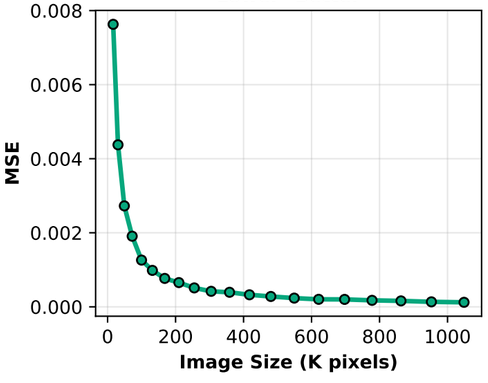
11. PSNR
Higher=Better



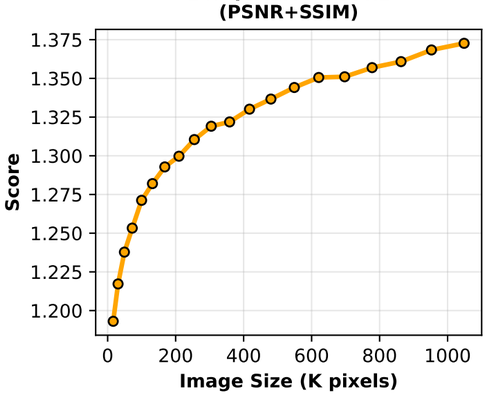
12. SSIM
Higher=Better



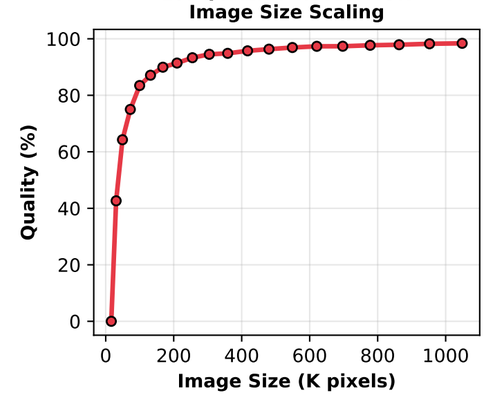
13. MSE
Lower=Better



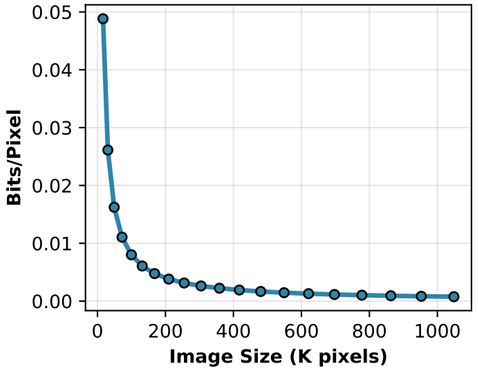
14. QUALITY SCORE
(PSNR+SSIM)



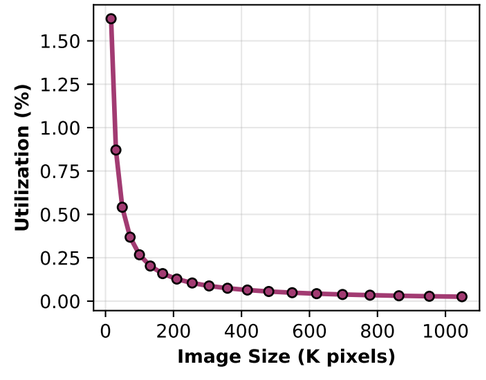
15. QUALITY RETENTION
Image Size Scaling



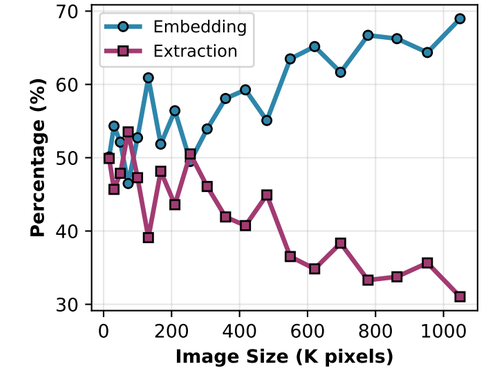
16. EMBEDDING RATE
Image Size Scaling



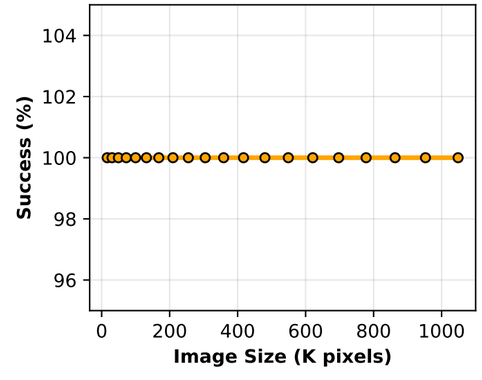
17. CAPACITY USAGE
Image Size Scaling



18. TIME BREAKDOWN
Image Size Scaling



19. SUCCESS RATE
Image Size Scaling



📊 SUMMARY

Tests: 20
Success: 20/20

Avg Time: 7.0 milliseconds
Avg RAM: 6.8 MB

Type: Image Size Scaling
Date: 20251016