Computational imaging with a balanced detector: supplementary material

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Supplementary video 1

In this video we show the acquisition of the same live scene with different sampling ratios (different acquisition times for each frame). The resolution of the scene is 64x64 pixels, so the total number of measurements stablished by the Nyquist-Shannon criterion is 4096. In the first column, the sampling ratio is 100%. In the second column, only a 20% of the sensing masks are projected, thus reducing the total acquisition time of each frame by a factor 5. In the third column, compressive sensing is used in a post-processing procedure to increase the quality of each frame.