

Description of Additional supplementary files

Supplementary Movie 1:

Real-time snapshot mid-infrared spectral imaging of a rotating aluminum mask. Each snapshot is acquired with a single exposure of 50 ms, corresponding to a frame rate of 20 Hz. The target rotates at an angular velocity of 100 degrees per second. Distinct spectral bands spanning approximately 2.5-4.0 μm are simultaneously reconstructed from each snapshot, demonstrating video-rate spectral imaging of a dynamic scene.