

Method for spectral imaging using spectral encoding (Technion)

code: MED-1278

Spectrally encoded spectral imaging is potentially useful in many commercial and scientific applications. The improved signal-to-noise-ratio (SNR) and the simplicity of this approach would offer better alternatives to current spectral imaging systems. Our novel invention has simpler optics and hardware compared to the color filter and interferometric approaches, and has improved SNR compared with point and line scanning techniques. Among other exciting applications, spectral imaging through compact endoscopic probes is possible.

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