MEGAFRAME
A Million Frame Per Second Camera

Quantitative imaging modes for science & advanced instrumentation

Fluorescence Lifetime Imaging Microscopy setup as one example for quantitative imaging

Observe dynamic event with an unprecedented combination of speed, accuracy and sensitivity

Physical sciences & engineering

Experimental microfluidics setups for testing MEGAFRAME

Biological sciences
Probes molecular interactions within living cells

Bio-medical instrumentation
Fast, compact and 'cheap' instrumentation

Medical diagnostics: Fast DNA screening using hybridization on microspot arrays

Images of fungal spores including lifetime image (d)

Lifetime imaging results in T-shaped reactor at different flow rates

Medical diagnostics: Fast DNA screening using hybridization on microspot arrays