

## IRscope II Optical Layout

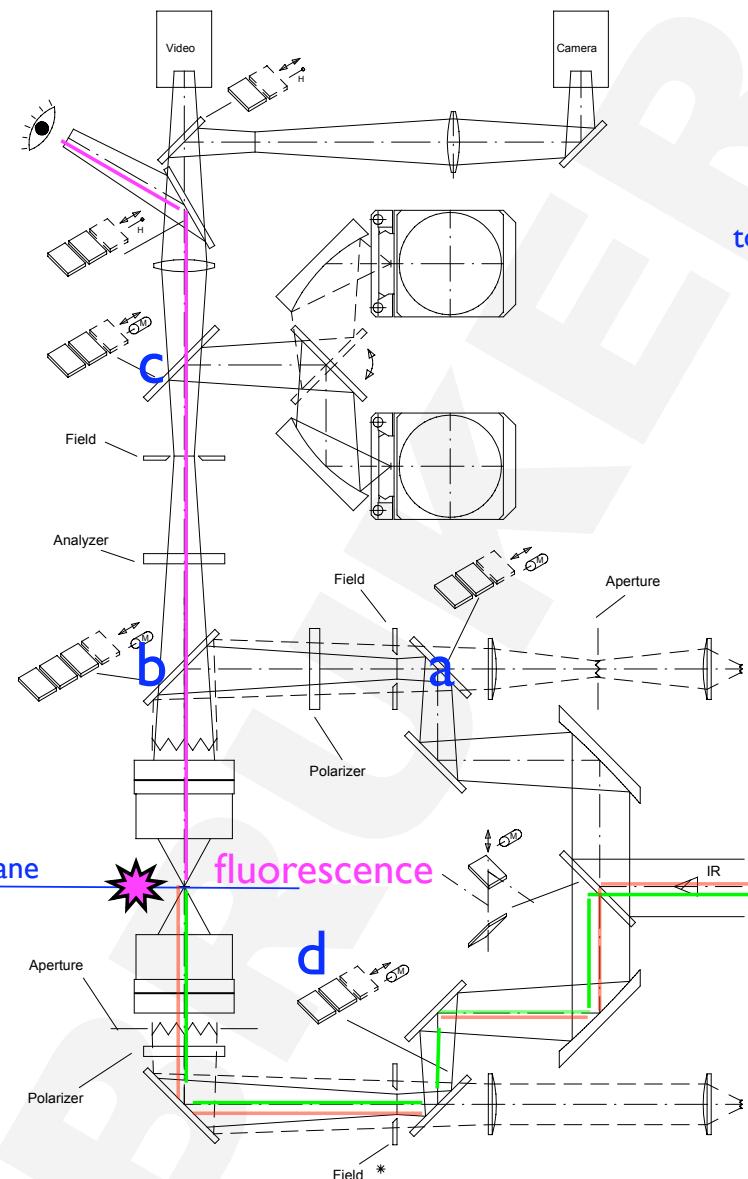
### collection channel

- deflect light to ocular output
- collimator lens instead eye piece
  - SMA fiber connector
  - fiber to spectrometer

works in T- and R-modes,  
we collect more  
signal in R-mode, however

sample focal plane

fluorescence



a, b, c, and d are motorized units

in C remove dichroic mirror  
to have all the visible light along ocular channel

in D LEAVE dichroic mirror to  
have visible light available for observation

switching from IR to P measurement in a snap !

IR channel

excitation channel

45 degrees cut cylindrical mirror  
inserted in collimated IR path way

set-up at X01DC IR beamline of the Swiss Light Source, 2009