

# Specification of Glana L1

## Camera properties

- Camera: Lumenera Lm11059M.
- Sensor: Kodak KAI-11002 CCD.
- Pixels: 4008 x 2672 pixels (10.7 million pixels).
- Power: 12 V DC, 6 W.
- Dimensions (excluding optics): 76.2 x 76.2 x 82.6 mm.
- Weight (excluding optics): ~600 g.
- Interface: USB 2.0.
- Framerate: ~2 fps at 16 bit precision and full-resolution.

## Spectral properties

- Spectral range: 450–880 nm (visual light is in the range 390–700 nm).
- Spectral bands: ~40 uncorrelated bands.
- Spectral bandwidth: Bands can be centered on any one of the 4008 pixel columns; the width of a band is slightly less than 2% of the center wavelength. That is, in the blue end (450 nm), a band is ~9 nm wide, in the NIR end (880 nm) a band is ~17 nm. See Figure 1.

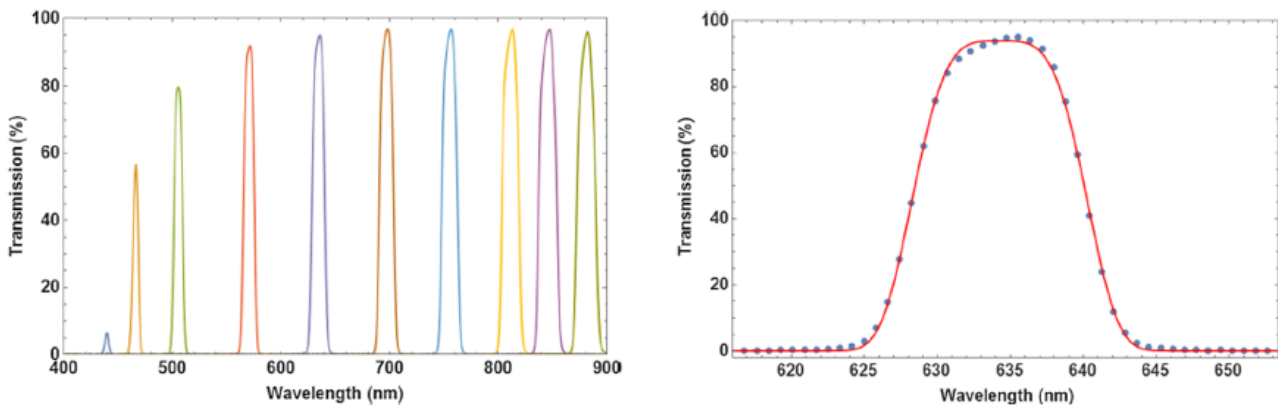


Figure 1: Transmission at different bands. The band in the right-hand graph is centered on 634.4 nm. FWHM = 11.9 nm and maximum transmission is 93.8%.