

Hardware

Telescope

- 2.5 meter, f/5 (f/2.2 primary), 1.08 meter secondary.
- 3° field, 60.6μ arcsecond $^{-1}$.
- Focal plane is nearly a mercator projection of the sky.

Photometric camera

- 30 photometric 2048^2 CCDs, 6 columns, 5 colors, 24μ pixels.
- 22 astrometric 2048×400 CCDs, 2 2048×400 focus CCDs.
- CCDs tilted and curved to best map out the focal plane.

Spectrograph

Goal: obtain spectra for galaxies with $g' \approx 18.5$ for redshifts.

- 640 3 arcsecond fibers.
- $\Delta\lambda/\lambda = 2000$ resolution.
- Coverage: 3900 Å to 9100 Å.
- Dual spectrographs: 320 spectra per spectrograph.
- Two channels per spectrograph.
- 10 separate fiber cartridges.
- Grism dispersing element.
- 2048^2 CCD detectors, $24\mu\text{m}$ pixels.
- Expect $> 30\%$ throughput.