

USET H-ALPHA TELESCOPE

Manufacturer	Celestron
Model	ED80, achromatic doublet using high-dispersion glass
D	80mm
F	600mm
F/D	7.5
Diameter of solar image	5.687mm
Energy rejection filter (full aperture)	Baader D=90mm
Collimator	Baader TZ-4 telecentric Barlow lens
Magnification	4.0
Diameter of solar image	22.748mm
Monochromator	Solar Spectrum, Chino Hills, CA, USA, 2007
Type	Fabry-Perrot, Research Grade RG38
Nominal Wavelength	656.2808nm (line width = 0.4nm)
Filter bandpass	0.05nm +/- 0.01nm
Tunable filter range	+/- 0.25nm (par contrôle de température)
Nominal temperature	~53°C
Focal reducer/corrector	Baader #94175, achromatic doublet (corrector)
F	220mm +/- 5mm
Magnification	0.59
Diameter of solar image	13.421
CCD camera	QImaging Retiga 4000R
Detector	Kodak KAI-4021, inter-line transfer
Detector size	2048x2048 pixels, pixel size = 7.5x7.5 micron
Sensitive area	15.16x15.16mm