

# UST Observatory Specifications

## Telescope

Type	Corrected Dall-Kirkham Cassegrain Reflector
Model	PlaneWave CDK 17
Aperture	17 inch (432mm)
Focal Length	115.71 inches (2939 mm)
Focal Ratio	F/6.8
Optical Performance	6.5 micron rms spot at 21mm off central axis

## Mount

Type	German Equatorial
Model	Astro-Physics 3600GTOPE "el Capitan"

## Camera

Type	Digital
Model	SBIG STL-11000M
Filter Wheel	SBIG FW8-STL 8 position
Filters	UBVRI Photometry filters LRGB Color balanced imaging filters H-alpha, O III, S II narrow band
Array Size	4008x2672 pixels 36x24.7 mm
Pixel Size	9x9 micron
Plate Scale (On the CDK 17)	0.63 arcseconds/pixel
Field of View	0.70x0.47 degrees

## Other Information

Magnitude Limit	17.4 (SNR=3 in 1 minute exposure)
Typical Seeing	2.0 to 3.0 arcseconds