

Minimum System Requirements

- * 8" telescope
 - * ~1m effective focal length
 - * Equatorial mount or derotator
 - * Tracking at lunar rate
- * Astronomical video camera with adapter to fit telescope
 - * NTSC or PAL
 - * 1/2" detector
- * Digitizer - for digitizing video and creating a 720x480 .avi compatible with LunarScan
- * Time encoder/signal
 - * GPS timestamp or WWV audio
- * PC compatible computer
 - * ~500GB free disk space
- * Software for detecting flashes

System Examples

- * Telescopes:
 - 1) 10" f/4.7 (254mm) Newtonian
 - 2) 14" (355mm) f/8 Meade on an equatorial wedge with a 0.33x Optec focal reducer
 - 3) 14" (355mm) f/11 Celestron on Paramount MX with an Optec focal reducer spaced for 0.25x
 - 4) 20" (500mm) f/8.1 from Ritchey Chretien Optical Systems on a Paramount ME with an Optec focal reducer spaced for 0.25x
- * Pyxis rotator to adjust camera angle
- * C-mount adapter and baffle
- * ASTROVID StellaCam-EX (Sony HAD/EX chip) or Watec Ultimate 902H2 1/2" CCD
- * SONY Video Walkman (GV-D800 NTSC) or Canopus ADVC-110 used as a FireWire digitizer
- * KIWI-OSD GPS time encoder or IOTA-VTI video time inserter
- * Shortwave receiver for WWV time signal (if GPS is not available)
- * 2GHz Intel P4 with 1GB RAM, 480GB 7200rpm SATA hard drive, and FireWire card
- * Software
 - * Windows XP or Windows 7
 - * WinDV, used for recording an .avi, vid+auds setting
 - * LunarScan, used to locate impact flash candidates in an .avi
 - * VirtualDub, used for making flash and stellar calibration video clips
 - * Limovie, used for video photometry
 - * Virtual Moon Atlas, used to locate the position of the flash on the moon

