

Accessories for the STL Series Cameras

(STL-1001E, STL-1301E, STL-4020M, STL-4020CM, STL-6303E, STL-11000M, STL-11000CM)



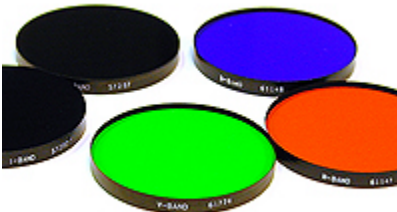
Remote Guiding Head

The remote guiding head contains a cooled, 16 bit 657x495 TC-237H CCD identical to internal self-guiding CCD in the STL camera body. The remote head is equipped with t-threads on the front cover and it will accept the eFinder assembly for guiding, a camera lens adapter, a T to C adapter, or the provided 1.25" nosepiece for use with an external guide scope. The external guider will also control the AO-L when used with an off-axis assembly or pellicle splitter.



Extra Filter Carousel

For changing an entire set of filters at once, the internal STL filter carousel can be easily removed and replaced with a new one containing a different filter set. For instance, the standard LRGB color filters may be quickly exchanged for a UBVR set or a narrow band set for emission line objects. The carousel fits neatly inside the front cover of the camera. The sealed CCD chamber and shutter are not disturbed when changing filters or the filter carousel.



LRGBC, UBVR and Narrowband Filters

50mm drop in filters are offered for the STL series cameras to minimize vignetting with the largest (35mm format) CCDs. Red, Green, Blue, plus Clear and Luminance filters for color imaging are available. UBVR filters are available for photometric studies. H-alpha, O[III] and S[II] filters are available for narrow band imaging of emission nebula.



AO-L Adaptive Optics

The AO-L was designed for the larger CCDs used in the Research Series cameras, however it will also work on the ST-7/8/9/10/2000 cameras. The AO-L uses a transmissive correcting element instead of a reflecting element. The full scale correction rate is slower than the AO-7 at about 5 - 10 Hz, but individual moves are actually made quicker. An accessory element is planned for the AO-L that will also correct for atmospheric extinction when imaging away from the zenith.



90-240VAC Universal Power Supply

The STL universal power supply provides the required 12VDC to the camera from typical line voltages found around the world. A separate cord is included with regional plug for N. America or Europe / Asia. This is the same power supply that is included with all current models of STL cameras. The output connector is 6 pin DIN. (Note that this is not compatible with the ST-7/8/9/10/2000 cameras which require both 5 volts and 12 volts out and use a 5 pin connector).



Power Supply Extension Cable

This 6 pin DIN to 6 pin DIN cable extends the power cord from the STL power supply to the camera by approximately 9 feet (~2.7m). The standard power cable that is attached to the power brick is about 6 feet long so this heavy duty extension cable will increase the total length to approximately 15 feet (4.5 m). It is custom made with heavy gauge conductor for minimum voltage loss. (Note, this extension cable is not compatible with the power supply for the ST-7/8/9/10/2000 cameras).



12VDC Power Cord with Cigaretter Lighter Adapter

This cable is used to directly power the STL camera from a 12VDC source using cigarette lighter plug.



Water Pump and Tubing

This 12VDC submersible water pump may be used with any ST-7/8/9/10/2000 camera equipped with the water circulation heat exchanger. Most models have this feature, except for some of the "I" models where it is an option. Water circulation results in a greater cooling delta from ambient and is desirable in areas where it remains very warm at night.



110VAC to 12VDC power supply for 12V Water Pump

This wall transformer is equipped with the proper polarity plug for powering the 12VDC submersible water pump (above). It is the same power supply and plug used with the ST-402ME, ST-1603ME and ST-3200ME cameras



Nikon 35mm Camera Lens Adapter

This adapter mates the STL series cameras with Nikon 35mm camera lenses for wide field imaging.



Relay Adapter

The relay adapter box converts the ST-7/8/9/10/2000 electronic relays to mechanical relays. Most commercially available mounts such as those from Software Bisque, AP, Meade and Celestron do not require mechanical relays, but others, such as the classic Losmandy G-11 do require some other form of electrical isolation between the camera and the mount. If you are not sure, check with your mount manufacturer.



Pelican Carrying Case

This is a replacement case with custom cut foam for your STL series camera and accessories will hold an STL camera, remote guide head, cables, and accessories. The case is waterproof, dustproof, and crushproof and comes with a lifetime guarantee from Pelican. It is included as a standard accessory for current STL series cameras