

# MALLINCAM MICRO OBSERING KIT

## HOOKING UP THE COMPONENTS

Here is a picture showing the contents of the MallinCam Micro Observing Kit.

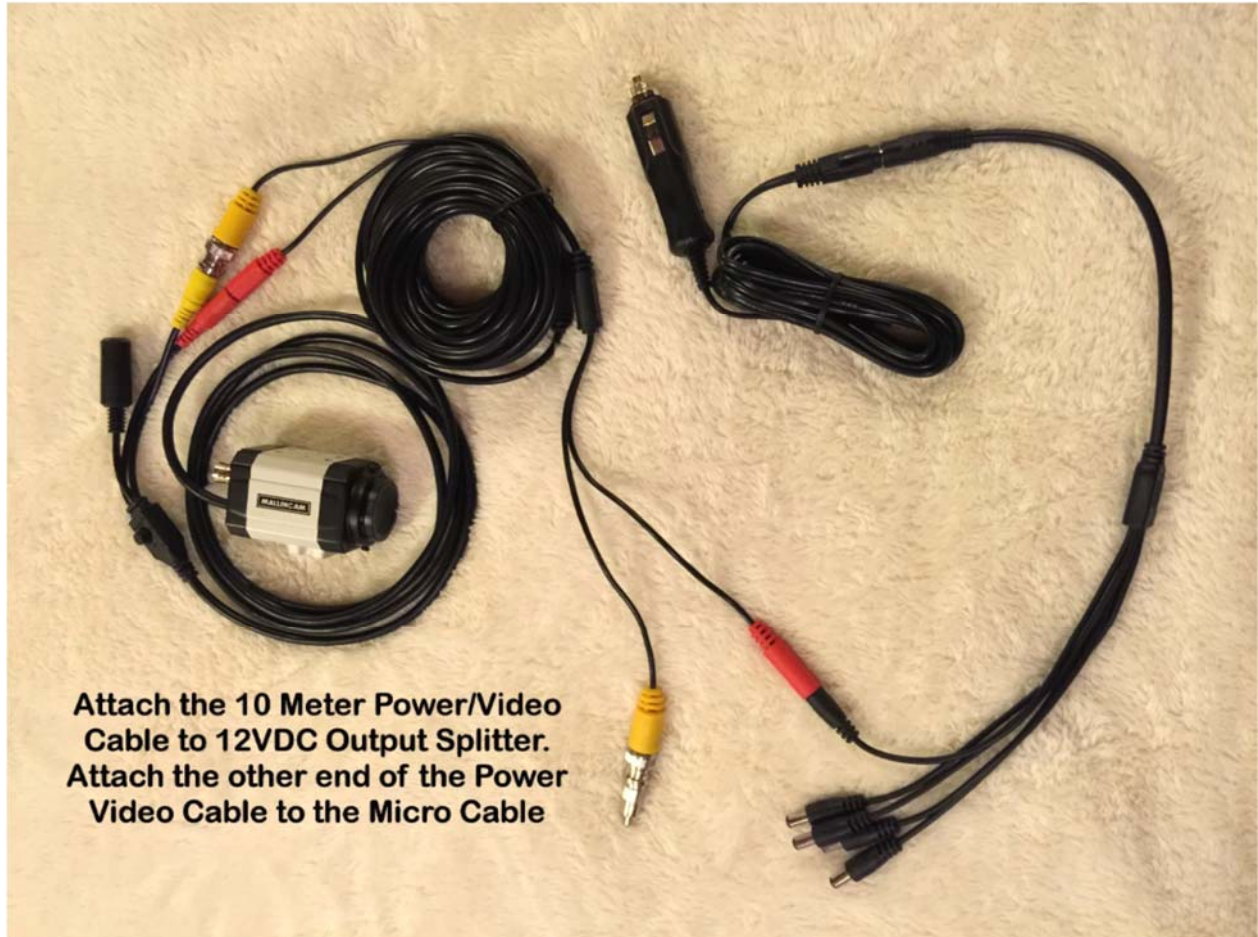


Become familiar with each component before starting to set up the system for use with your telescope. Once you have done so, start by connecting the 12VDC Input Cable to the 12VDC Output Splitter Cable. Up to five (5) components requiring 12VDC power can be connected to the Splitter Cable. They must all need a Center Positive source of power and the total load must be less than 5 amps.

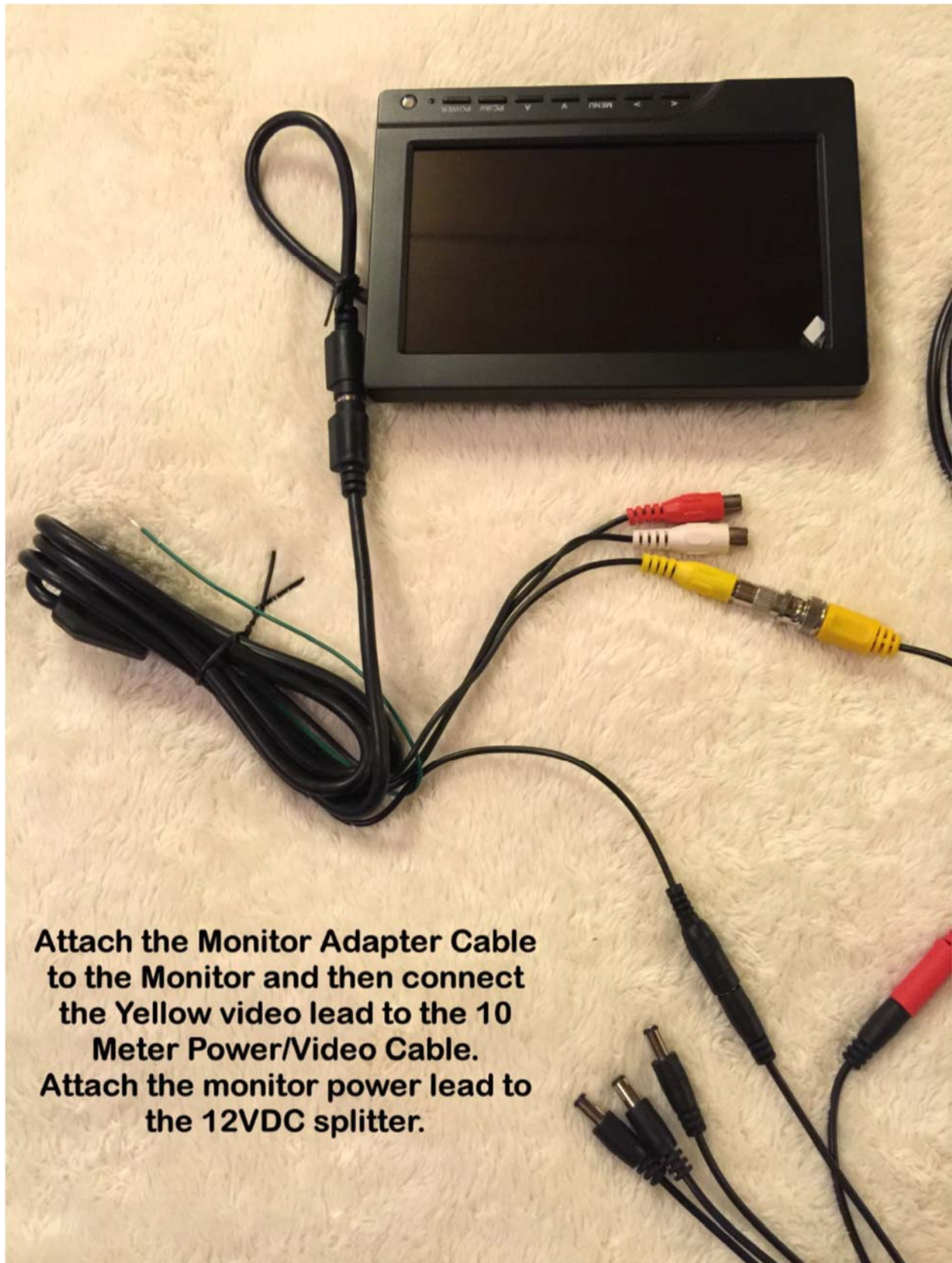


The next thing to attach is the 10 Meter Power/Video Cable. The RED Female connection on the Power/Video Cable is connected to one of the five 12VDC outputs from the Splitter Cable.

Now connect the Composite Video (Yellow) output from the camera to the matching connector on the 10 Meter Power Video Cable. This is a Push and Twist BNC Connector. Finally match up the Red Power connections from the Power/Video Cable to the Micro Power Input (Red Connectors).



Now attach the 7" Monitor Adapter Cable to the matching connector on the Monitor. Slide the RCA (Yellow) Composite Video Connector into the Composite Video Input on the Monitor Adapter Cable. Finally, use one of the four remaining 12VDC Outputs on the Splitter Cable to supply power to the 7" Monitor.



**Attach the Monitor Adapter Cable to the Monitor and then connect the Yellow video lead to the 10 Meter Power/Video Cable. Attach the monitor power lead to the 12VDC splitter.**

The system is now wired up and ready to go. The last step involves adding the 1.25" Adapter and 0.5X Focal Reducer to the Micro.



**0.5X Focal Reducer**



**1.25" Adapter**



**MallinCam Micro**

Use just the 1.25" Adapter if higher power is desired. This will provide a very small Field of View (FOV) and require longer exposures to compensate for the slowness of the optical system. This mode of operation is generally used for observing the Planets where higher power is desired.



To achieve a wider FOV, screw the 0.5X Focal Reducer Lens onto the 1.25" Adapter. The 25mm Spacer provided with the Focal Reducer Lens is not used.



**For Lower Power viewing, attach the 0.5X Focal Reducer Lens to the 1.25" Adapter. The 25mm Spacer is not used.**

Insert the Micro into the focuser, carefully route the cable to avoid it getting tangled in the telescope's mount/legs, insert the 12VDC Cigarette Plug into a 12VDC power source, turn on the monitor's power, focus and observe.

The complete MallinCam Micro Manual is available as a PDF at:

[http://www.mallincam.net/uploads/2/6/9/1/26913006/micro\\_ex\\_user\\_manual.pdf](http://www.mallincam.net/uploads/2/6/9/1/26913006/micro_ex_user_manual.pdf)