

MallinCam Skyraider DS287c single shot color camera

Pros and Cons



Items that come with camera purchase:



Price: \$389.99

- MallinCam SkyRaider DS287c camera body
- 5 meters (15 feet) premium Heavy Duty USB3.0 cable
- Threaded 1.25" eyepiece adapter, C mount
- 2 meters (6.5 feet) Guiding Cable

Additional Focal Reducers that will give a wider field of view using Mallincam DS287/c



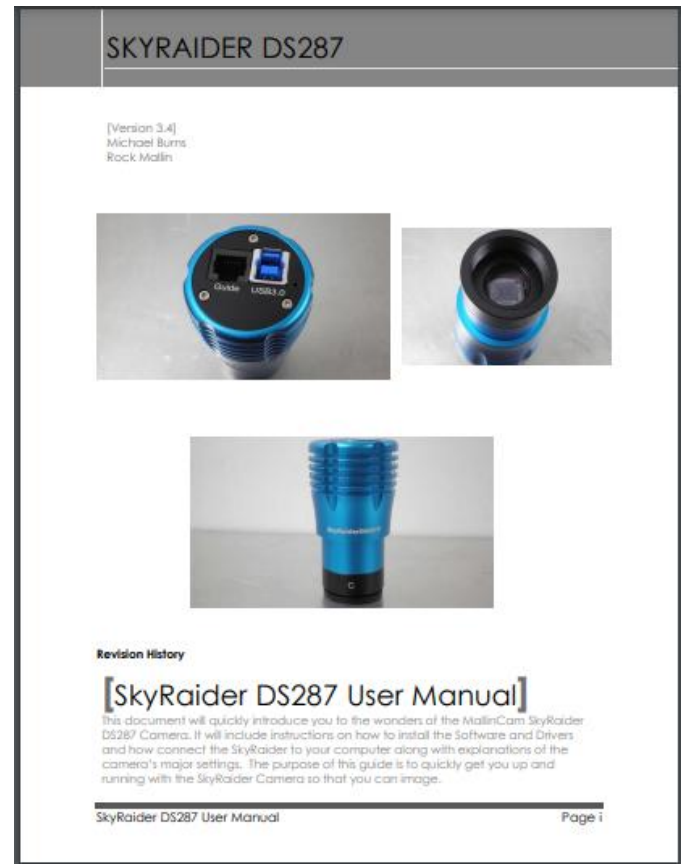
Mallincam 0.5x
Price: \$49.99



Celestron F/6.3
Price: \$164.95

Other items that come with purchase

- ▶ SkyRaider Series
MALLINCAMSKY
Complete Software
Package
- ▶ Complete user manual
203 pages downloaded
from website



Camera

Camera List

No Device

Capture & Resolution

Snap Record

Live: Snap: Format:

Exposure & Gain

Bit Depth

White Balance

Color Adjustment

Frame Rate

Color/Gray

Flip

Rotate

Sampling

ROI

Digital Binning

Histogram

Dark Field Correction

Flat Field Correction

Camera Folders Undo/Redo

Histogram



Pros of Mallincam DS287/c

- ▶ Can be used for Live View Star Parties
- ▶ Uses very sensitive color chip Sony IMX287 CMOS
 - .95% Quantum efficiency, 525 frames a second
- ▶ Bright Deep Sky objects can be seen well in exposures from .5 sec to 10 seconds
- ▶ Stacks and aligns images on the fly
- ▶ Subtracts darks and flats on the fly
- ▶ One shot color
- ▶ Can save multiple images at once
- ▶ Processes video for planetary imaging
- ▶ Software has many user controlled adjustments such as histograms, gain, exposures times, etc.
- ▶ Can be used for asteroid or moon occultation's

Cons of Mallincam DS287/c

- ▶ Small chip size, 1 / 3 inch
- ▶ Resolution: 750 x 540 pixels – .4 megapixels
- ▶ No cooling but hot pixels can be removed with subtracting darks and flats

Mallicam DS287c Star Party Set up



Images taken with 6 inch Celstron using DS287/c color camera

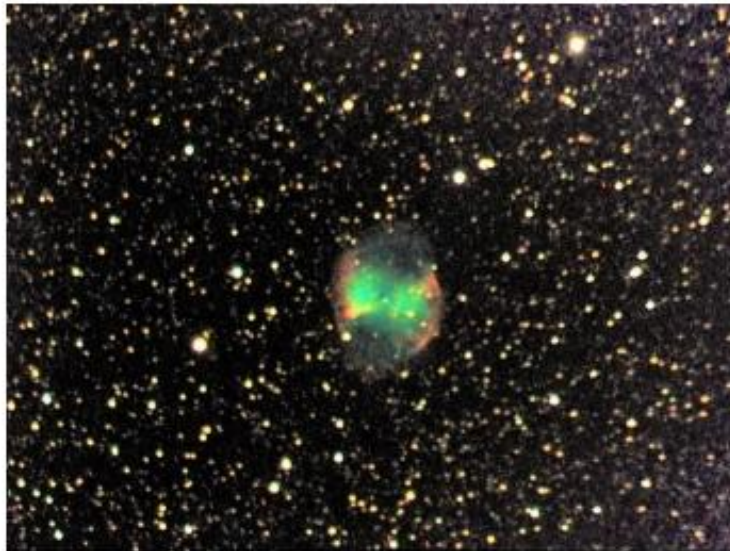
Messier 16 the Eagle Nebula in Serpens



Messier 51 the Whirlpool galaxy in Canes Venatici



Messier 27, the Dumbbell Nebula in Vulpecula



M104, the Sombrero galaxy in Virgo



Messier 3, a globular cluster in Canes Venatici



NGC 4437, a galaxy in Virgo



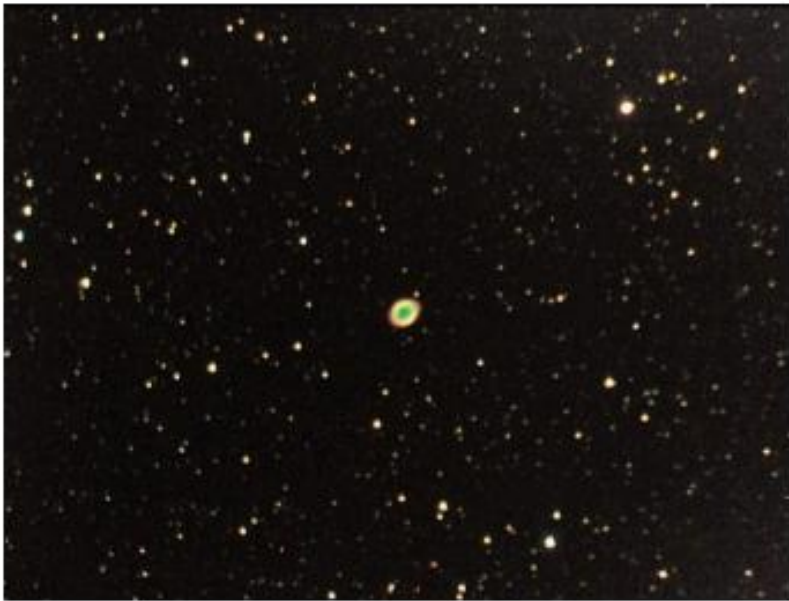
Messier 17, the Omega Nebula in Sagittarius



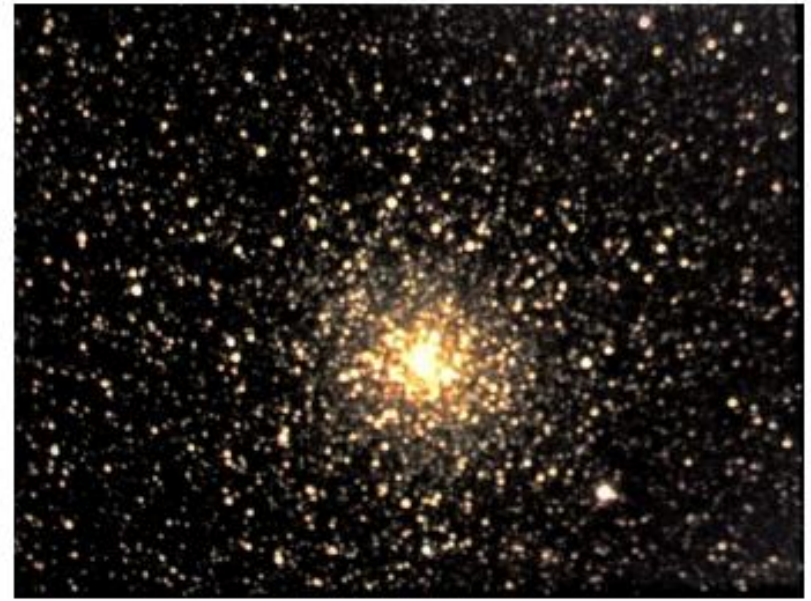
Messier 20, the Trifid Nebula in Sagittarius



Messier 57, the Ring Nebula in Lyra



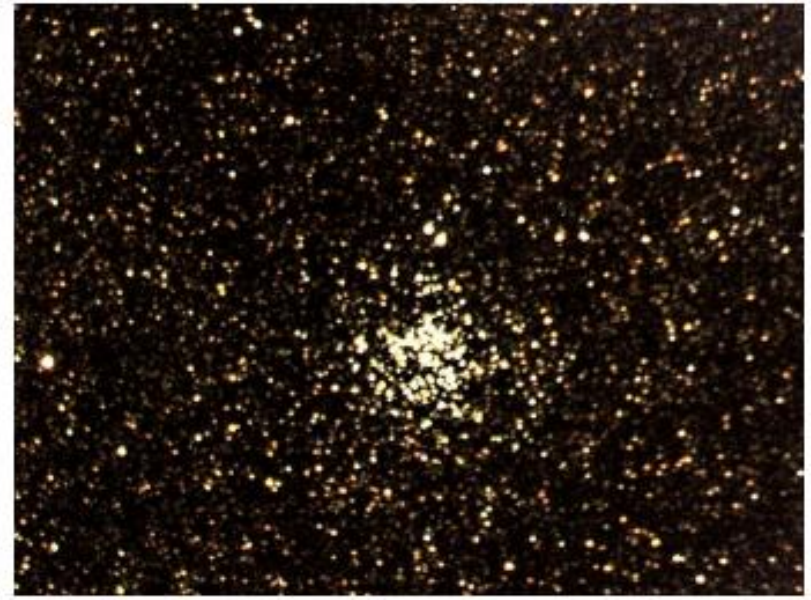
Messier 22, a globular in Sagittarius



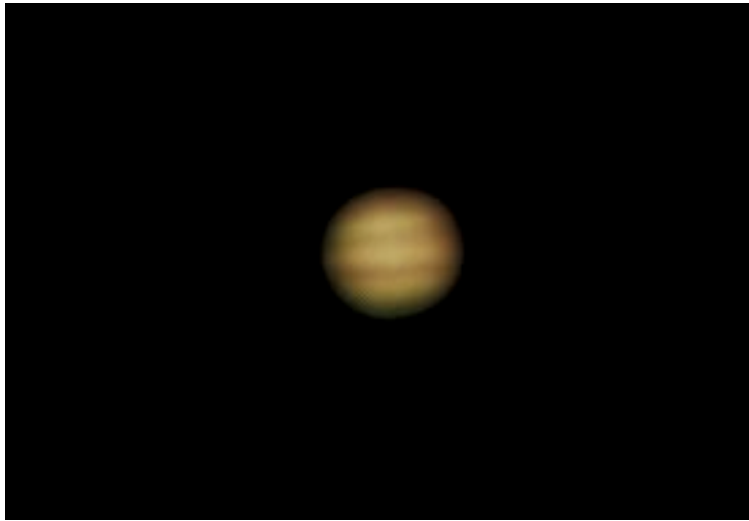
NGC 6960, the Veil Nebula in Cygnus



Messier 11, the Wild Duck Cluster in Scutum







Questions?

