

Lightweight Backpackers Observation Kit

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The total weight is approximately 15 pounds with plenty of room for personal items.

William Optics Zenithstar 61 mm Doublet Refractor Telescope - Blue Edition - A-Z61BU

f/5.9
61mm (2.4")
Focal Length (mm) 360
Refractor OTA Length - Retracted (in.) 9", Extended 11.8"
Weight 3.2 pounds
\$500

Celestron Erect Image Prism for Refractor and Schmidt Cassegrain

94112-A
A great accessory for daytime terrestrial viewing with your telescope
This 1.25" diagonal produces right side up and left-to-right correct images when used with refractors and catadioptric (Schmidt-Cassegrain) telescopes
Inserts into 1.25" focusers or visual backs; accepts standard 1.25" eyepieces
Weight 4.8 ounces
\$30

Celestron 8-24 mm 1.25" Zoom Eyepiece

Model Number 93230
Eyepiece Series Celestron Zoom
Eyepiece Barrel Size 1.25"
Eyepiece Focal Length 8 mm - 24 mm
Eyepiece Apparent Field of View 40° - 60°
Eyepiece Eye Relief (mm) 15 mm - 18 mm
\$80

Explore Scientific 1.25" 2X Focal Extender

2x Focal Extender
1.25-inch Barrel
4 Elements
Compression ring
2x Focal Extender 1.25-inch Barrel 4 Elements Compression ring
\$110

Manfrotto Befree Live Aluminum Lever-Lock Tripod Kit

MVKBFRL-LIVEUS

Load Capacity 0 to 8.82 lb / 0 to 4 kg

Maximum Working Height 59.45" / 151 cm

Max Height without Center Column 51.18" / 130 cm

Minimum Working Height 15.75" / 40 cm

Folded Length 15.75" / 40 cm

Materials Aluminum

Weight 3.86 pounds

\$200

Manfrotto 501PL Rapid Connect Sliding Plate (extra plate for above head)

\$28

Tenba Solstice 20L Camera Backpack (Blue or Black)

Interior Dimensions 9.5 x 18.5 x 6.5"

Exterior Dimensions 11 x 19 x 9"

Weight 2.25 pounds

\$176

To Add Imaging:

Sony Alpha a6300 Mirrorless Digital Camera

24.2 MP DX-Format CMOS Sensor

23.5 x 15.6 mm sensor size

Max Resolution 6000 x 4000

Pixel width = $23.5 / 6000 = 0.0039 = 3.9$ microns

Pixel height = $15.6 / 4000 = 0.0039 = 3.9$ microns

Guide No. 19 ft. at ISO 100

Dimensions (W x H x D) 4.7 x 2.6 x 1.9"

Battery NP-FW50

\$900

14.3 oz. (0.9 pounds)

Tele Vue SLR Prime Focus Camera Adapter for 2" Focusers ACM-2000

Accepts 48 mm filters

Anti-reflective internal threading

\$80

Fotodiox Lens Mount Adapter Compatible with T-Mount (42x0.75mm) Screw Mount Lenses to Sony E-Mount Cameras

Compatible with T-mount (T / T2) screw mount lenses on Sony E-mount mirrorless cameras;

Infinity focus or beyond allowed

\$13

Compact Seating (20.5 inches high):

GCI Outdoor PackSeat Portable Tripod Camping and Sports Stool

by GCI Outdoor

Holds up to 250 pounds

Open size: 15 x 14.2 x 20.5 inches

Folded size: 3.9 x 4.3 x 15.7 inches;

Weight: 1.3 pounds

\$22



