

Bushnell®



Magnifying life, perfected.

The idea is simple. Bring distant things a little closer. Bushnell® spotting scopes have that task perfected. They offer more stability than a binocular with the 'oomph' of a telescope. Used by everyone from naturalists to hunters, our spotting scopes are perfect for viewing wildlife, birdwatching, hunting and land surveillance. They offer a complete range of features for a great range of applications. Simply put, magnifying anything is possible, including the adrenaline associated with extraordinary sightings.

Magnify life. 



SPOTTING SCOPES

78-1821 20-45 x 60mm



DIGITAL IMAGING

Make no mistake about it, capturing wildlife in its purest form is quite breathtaking. Even more so, when you've recorded it all for later viewing. That's the beauty of the Bushnell® Digital Imaging System. It's a remarkable spotting scope, combined with a built-in CCD imaging system and optical beam splitter for simultaneous visual and electronic monitoring. All images are output to a standard RGB signal that lets you view images on a TV, camcorder, computer or the optional LCD viewing screen in amazing detail. Simply put, the Digital Imaging System offers the ultimate in technology. Perfect for surveillance, recording life list birds or tracking the trophy elk you've been pursuing for years.



22 x 60mm 78-2100

Compact, high-powered digital spotting scope with standard RGB signal output to view images on a TV, camcorder or computer screen.



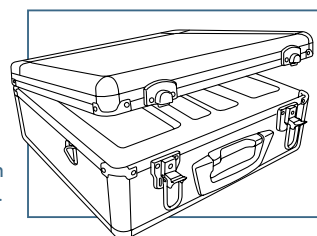
22 x 60mm 78-2101

Same as above, but comes with its own high-resolution LCD viewing screen and power pack.



Digital Imaging Features:

- 22x magnification.
- 60mm objective lens.
- Advanced CCD imaging system.
- Optical beam splitter.
- Simultaneous visual & electronic viewing.
- RGB output.
- Displays image on TV, camcorder or computer.
- Aluminum hard case.



Premium aluminum hard case included.

MODEL	MAGNIFICATION	OBJECTIVE	FIELD-OF-VIEW (ft@1000yds / m@1000m)	EXIT PUPIL (mm)	CLOSE FOCUS	WT. (oz. / g)	LENGTH (in. / mm)	OTHER EYEPIECES AVAILABLE
78-2100	22x	60	120/40@22x	2.7@22x	32 ft.	38.3 / 1072	12.25 / 311.2	N/A
78-2101	22x	60	120/40@22x	2.7@22x	32 ft.	38.3 / 1072	12.25 / 311.2	N/A

NATUREVIEW®

Aptly suited for the back country or equally noble endeavors like the back porch, the compact NatureView® spotting scopes give naturalists and birders a window on the world at a realistic price. With our ultra-compact 78-1645 model, you get ultra-long eye relief (37mm at 15x) for use with sunglasses or eyeglasses. Fully coated optics brighten the picture and a wide field-of-view keeps the whole performance in frame. In fact, it even includes a camera adapter for telephotography. For the backyard birder, the extreme close focus and 10x fixed power of the 78-1050 make it perfect for observing birds and other wildlife in close proximity. It comes complete with table-top tripod – and the unique opportunity to get lost in your own backyard.



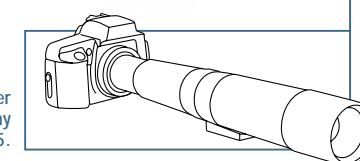
10 x 50mm 78-1050

Extreme focus 10x fixed power perfect for backyard birding.



15-45 x 60mm 78-1645

Ultra-compact model with extra-long eye relief and wide field-of-view.



Camera adapter for telephotography included on 78-1645.



The NatureView® 78-1050 Features:

- 10x fixed-power eyepiece.
- 50mm objective lens.
- Wide field-of-view.
- Fully coated optics.
- Protective rubberized surface.
- Compact tripod.

The NatureView® 78-1645 Features:

- Camera adapter.
- Wide field-of-view.
- Fully coated optics.
- Protective rubberized surface.



MODEL	MAGNIFICATION	OBJECTIVE	FIELD-OF-VIEW (ft@1000yds / m@1000m)	EXIT PUPIL (mm)	CLOSE FOCUS	WT. (oz. / g)	LENGTH (in. / mm)	OTHER EYEPIECES AVAILABLE
78-1050	10x	50	340/112@10x	5@10x	10 ft.	14 / 392	7 / 178	N/A
78-1645	15-45x	60	150/50@15x / 38/12.7@45x	4@15x / 1.3@45x	30 ft.	29 / 822	14 / 356	N/A

Magnify Life.

SPACEMASTER®

Spacemasters have set the standards by which all other spotting scopes have been judged for nearly two decades. And for good reason. Premium engineering and fully coated optics promise outstanding image quality, while the extra-long eye relief makes them glasses friendly. Choose from several different models – each providing distinctly different features – and you have a scope tailor-made for your specific viewing application.



15–45 x 60mm 78-2317

Our classic, best-selling spotting scope with bright, clear 15–45x zoom performance, a large light-gathering 60mm objective lens, black rubber armor and a handy carrying pouch.



ZOOM

15–45 x 50mm 78-7350

Featuring a revolutionary multi-position eyepiece that allows easy viewing from any angle, a bright 50mm objective lens, extra-long eye relief (41mm) and rubberized surface finish. Hard carrying case included.



ZOOM

20–60 x 60mm 78-7360

Our most powerful variable zoom model with a multi-position eyepiece, extra-long eye relief (41mm) and rubberized surface finish. Hard carrying case included.



ZOOM

The Spacemaster® Series Features:

- Fully coated optics.
- Extra-long eye relief.
- Rubber armor on 78-2317, 78-1217, 78-1817 and 78-1821.
- Rubberized surface finish on 78-7350 and 78-7360.



60x Eyepiece 78-2260

An optional, extra-high power, fixed magnification eyepiece to extend the viewing range of your Spacemaster® spotting scope.



Exclusive multi-position eyepiece offers infinite number of viewing positions.

SPACEMASTER® KITS

We've packaged our best-selling Spacemaster® in two exciting kits: a powerful 20–45x variable power model with black rubber armor and a versatile 15–45x variable power model in both camouflage and black rubber armor. Both kits come with a compact tripod and a backpack carrying case.



Backpack style carrying case.

20–45 x 60mm 78-1821

All of the brilliant clarity of our 15–45x60mm Spacemasters, but comes with an extra-long eye relief (18mm) variable power eyepiece. Features black rubber armor, compact tripod, and a backpack style carrying case.



ZOOM



ZOOM

15–45 x 60mm

Our classic, best-selling Spacemaster spotting scope with a compact tripod and backpack carrying case.

78-1217

Finish: Camo

78-1817

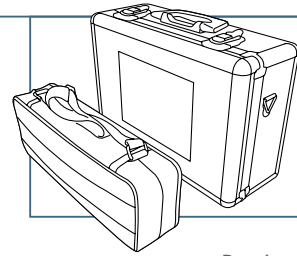
Finish: Black

MODEL	MAGNIFICATION	OBJECTIVE	FIELD-OF-VIEW (ft@1000yds / m@1000m)	EXIT PUPIL (mm)	CLOSE FOCUS	WT. (oz. / g)	LENGTH (in. / mm)	OTHER EYEPIECES AVAILABLE
78-1821	20-45x	60	90/30@20x / 58/19@45x	3@20x / 1.3@45x	30 ft.	43 / 1219	12.7 / 323	60x
78-1217	15-45x	60	125/42@15x / 65/22@45x	4@15x / 1.3@45x	30 ft.	43 / 1217	12.7 / 323	60x
78-1817	15-45x	60	125/42@15x / 65/22@45x	4@15x / 1.3@45x	30 ft.	38.4 / 1087	11.6 / 295	60x
78-2260	60x	N/A	37/12@60x	1@60x	NA			
78-2317	15-45x	60	125/42@15x / 65/22@45x	4@15x / 1.3@45x	30 ft.	38.4 / 1087	11.6 / 295	60x
78-7350	15-45x	50	105/35@15x / 48/16@45x	3.3@15x / 1.1@45x	16 ft.	36 / 1008	12.4 / 315	N/A
78-7360	20-60x	60	88/29.3@20x / 40/13.3@60x	3@20x / 1@60x	20 ft.	36.5 / 1022	14.5 / 368.3	N/A

Magnify Life.

TROPHY®

Have a look at your boot soles. If they're worn thin by miles of trail, the Trophy® series is your spotting scope. It's built to withstand the punishment of the high country's harshest terrain. Compact and rubber-armored, the 100% waterproof design is available in two zoom ranges up to 60x magnification. Porro prisms and premium, multi-coated optics ensure a bright, clear picture. For stability at high magnification, they come with a compact tripod. Finally, to protect your investment, we've included premium, sturdy, hard-side and compact soft-side carrying cases.



Premium hard-side and compact soft-side carrying cases included.



NEW 25-50 x 50mm 78-2550
Rugged, compact and 100% waterproof for high-country hunting, backpacking and adventure travel. Features a compact tripod and compact carrying case.



NEW 20-60 x 65mm 78-2065
Extra-power for extra range, this is the ultimate portable, all-weather spotting scope for trophy hunting and birding.

- The Trophy® Series Features:**
- Porro prism design.
 - Premium multi-coated optics.
 - Zoom magnification up to to 60x.
 - 100% waterproof rubber armor construction.
 - Compact tripod.
 - Premium, hard-side case.
 - Compact, soft-side case.



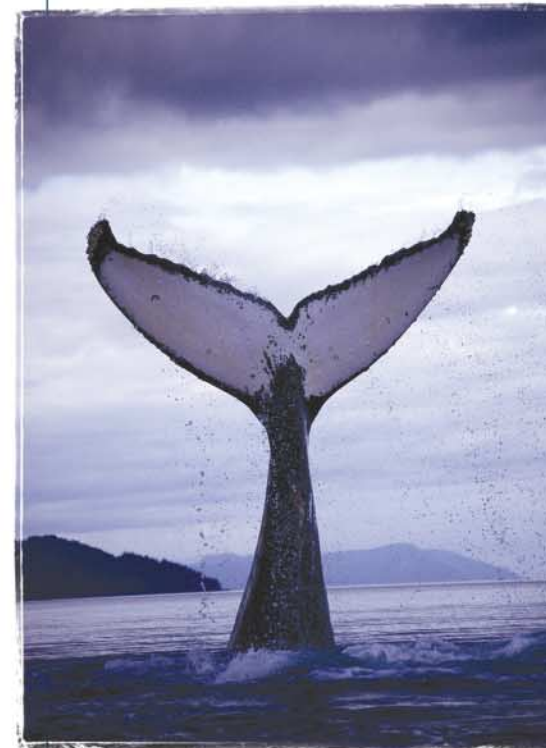
MODEL	MAGNIFICATION	OBJECTIVE	FIELD-OF-VIEW (ft@1000yds / m@1000m)	EXIT PUPIL (mm)	CLOSE FOCUS	WT. (oz. / g)	LENGTH (in. / mm)	OTHER EYEPIECES AVAILABLE
* 78-2550	25-50x	50	92/31@25x / 52/17@50x	2.0@25x / 1.0@50x	30 ft.	17 / 481	12.2 / 310	N/A
* 78-2065	20-60x	65	90/27@20x / 45/13.7@60x	3.25@20x / 1.1@60x	30 ft.	20 / 567	12.7 / 322	N/A

* New for 2003

H2O™

The 100% waterproof/fogproof construction makes the H2O a spotting scope for every weather condition. Perfect for use around saltwater, because you can rinse it off in fresh water without fear of damaging the internal optics. A sleek, compact design that houses powerful, precise, fully coated optics. The huge 60mm objective lens gathers and makes the best use of available light regardless of the time of day. The 20-60x magnification range is ideal for scanning wide areas at 20x and then, when something spotted requires closer inspection, allows you to zoom in for a closer look. Other features worth noting include an exterior peep sight for quick target acquisition. For portability, a soft, ballistic nylon carrying case and car window mount are included.

NEW 20-60 x 60mm 78-2660
This is a spotting scope for the worst weather conditions: waterproof, salt-water spray proof, snow proof, sleet proof - almost everything proof!



- The H2O™ Series Features:**
- 100% waterproof construction.
 - Fully coated optics.
 - Large 60mm objective lens.
 - Exterior peep sight.
 - Compact tripod.
 - Ballistic nylon carrying case.
 - Car window mount.



MODEL	MAGNIFICATION	OBJECTIVE	FIELD-OF-VIEW (ft@1000yds / m@1000m)	EXIT PUPIL (mm)	CLOSE FOCUS	WT. (oz. / g)	LENGTH (in. / mm)	OTHER EYEPIECES AVAILABLE
* 78-2660	20-60x	60	78@20x / 43@60x	3.0@20x / 1.0@60x	30 ft.	34.25 / 971	12.0 / 304.8	N/A

* New for 2003

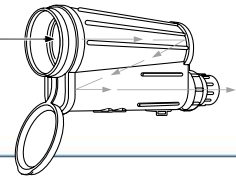
Magnify Life.

SENTRY®

If you're the type who assumes bigger is better, we invite you to have a look through our Sentry® spotting scopes. Delivering big scope performance in a compact, lightweight package, the fully coated optics provide impressive light transmission and image brightness. With variable-power eyepieces, they deliver ultra-fast, precise viewing. Each model features protective rubber armor and a compact tripod. In keeping with the less-is-lighter mentality, the 78-7332 – offered this year in Realtree® Hardwoods® HD™ camo – uses an internal mirror to fold the light path for a spotting scope that is ultra-compact and lightweight.

Folded Light Path

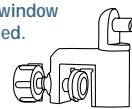
A combination optical configuration using lenses and mirrors to create a total scope length much shorter than the total focal length of the system. This provides a compact design yielding long focal length performance.



NEW **16–32 x 50mm 78-7332R**
Designed specifically for hunting applications where compact optics are a necessity. Other features include Realtree® Hardwoods® HD™ camo rubber armor, "gun stock" strap plus versatile car window mount.

16–32 x 50mm 78-7332
Remarkably compact due to the internal mirror that folds the light path. Ideal for backpackers and travelers. Includes "gun stock" strap plus versatile car window mount.

Versatile car window mount included.



NEW **18–36 x 50mm 78-1836**
New compact featuring a fully waterproof rubber armor and premium, hard-side case.



NEW **18–36 x 50mm 78-1837**
Also new for 2003. Same features as 78-1836 with camouflage rubber armor and premium, hard-side case.

The Sentry® Series Features:

- 50mm objective lens for a clear, bright image.
- Fully coated optics for increased light transmission.
- Rubber armor absorbs shock.
- Compact tripod for long-range viewing.
- Carrying case.



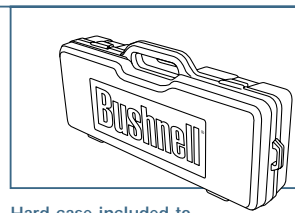
PREMIUM
Hard-side case.

MODEL	MAGNIFICATION	OBJECTIVE	FIELD-OF-VIEW (ft@1000yds / m@1000m)	EXIT PUPIL (mm)	CLOSE FOCUS	WT. (oz. / g)	LENGTH (in. / mm)	OTHER EYEPIECES AVAILABLE
* 78-7332R	16–32x	50	140/46@16x / 65/21@32x	1.5@32x / 3.1@16x	12 ft.	21.5 / 600	8.7 / 221	N/A
78-7332	16–32x	50	140/46@16x / 65/21@32x	1.5@32x / 3.1@16x	12 ft.	21.5 / 600	8.7 / 221	N/A
* 78-1836	18–36x	50	115/38@18x / 75/25@36x	2.8@18x / 1.4@36x	20 ft.	31 / 877	14.7 / 373	N/A
* 78-1837	18–36x	50	115/38@18x / 75/25@36x	2.8@18x / 1.4@36x	20 ft.	31 / 877	14.7 / 373	N/A

* New for 2003

SPORTVIEW®

For those ready for the satisfaction only a Bushnell® spotting scope can provide, there's the Sportview® series. Available in two popular magnifications with two equally popular price tags, the Sportview series gives you Bushnell quality while keeping your budget on track. Each model comes with fully coated optics, rugged construction and a variable zoom eyepiece. What's more, they also come standard with a hard carrying case, tripod and the satisfaction of knowing your scope's bound to be around far longer than the next guy's – unless, of course, his is a Bushnell, too.



Hard case included to protect your investment.



15–45 x 50mm 78-1545
A great mid- to high-power spotting scope for all-round use.

ZOOM Variable Zoom Feature Offers Great Viewing Range



20–60 x 60mm 78-2061
Extra power and performance at the high end for extended-range viewing.



The Sportview® Series Features:

- Variable zoom eyepiece for great viewing range.
- Fully coated optics reduce glare and enhance picture clarity.
- Rugged construction.
- Compact tripod.
- Hard carrying case.

MODEL	MAGNIFICATION	OBJECTIVE	FIELD-OF-VIEW (ft@1000yds / m@1000m)	EXIT PUPIL (mm)	CLOSE FOCUS	WT. (oz. / g)	LENGTH (in. / mm)	OTHER EYEPIECES AVAILABLE
78-1545	15-45x	50	103/34@15x / 35/12@45x	4@15x / 1.3@45x	40 ft.	23.4 / 662	17.4 / 442	N/A
78-2061	20-60x	60	70/23@20x / 24/8@60x	3@20x / 1@60x	40 ft.	25 / 709	20.5 / 521	N/A

Magnify Life.

TRIPODS

Bushnell® offers a complete selection of camera-quality tripods to provide a solid foundation for viewing at higher magnifications. A universal head fits all of our compatible spotting scopes, binoculars and range finders. Quality materials and design assure maximum strength and stability without excess weight. With easily adjustable legs, smooth operation and rugged corrosion-resistant finishes, Bushnell tripods will deliver years of reliable, trouble-free service.

Shooters Stand

Designed specifically for bench-rest shooting and sighting in riflescopes. Solid, compact and easily adjustable for the optimum height.

78-3011

Max Height: 12"



Field Tripod

Compact, lightweight and easily set up in the field. Our best tripod for hunters and birders on the go.

78-3001

Max Height: 36"



Table Top

Ideal for back yard observation – or anywhere an ultra-compact tripod is all you need.

78-3012

Max Height: 9"



Advanced Tripod

This is a full-featured, stand-up tripod for viewing from a platform, road side or deck where portability is not essential.

78-4030

Max Height: 61"



Binocular Tripod Adapter

Makes any binocular tripod-ready. Recommended for prolonged observation with any binocular of 10x or more.

16-1001



Car Window Mount

The traveling birder's secret. You'll see these mounts holding spotting scopes on car windows from Puget Sound to the Everglades.

78-4405



SPOTTING SCOPE TERMINOLOGY

A high-powered, compact optical instrument used to view distant objects like birds, wildlife, boats and landmarks.

Coated Optics

Coatings on lens surfaces reduce light loss and glare due to reflection, resulting in a brighter, higher-contrast image with reduced eyestrain. Bushnell® spotting scopes are coated with a microscopic film of magnesium fluoride. More coating leads to better light transmission.

Types of Coating

Coated – A single layer on at least one lens surface.

Fully Coated – A single layer on all air-to-glass surfaces.

Multi-Coated – Multiple layers on at least one lens surface.

Fully Multi-Coated – Multiple layers on all air-to-glass surfaces.

Exit Pupil

The exit pupil refers to the size of the column of light that exits a spotting scope. The larger the exit pupil, the brighter the image. To determine the size, divide the objective lens diameter by the power (a 15x45 model has an exit pupil, or useable light, of 3mm). $45/15 = 3\text{mm}$

Eye Relief

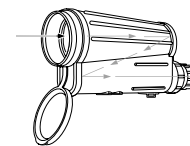
The distance a spotting scope can be held away from the eye and still present the full field-of-view. Extended or long eye relief reduces eyestrain and is ideal for eyeglass wearers.

Field-of-View (F.O.V.)

Field-of-view is the side-to-side measurement of the circular viewing field or subject area. It is defined by the width in feet or meters of the area visible at 1000 yards or meters. A wide field-of-view is better for following fast-moving action or scanning for wildlife. Generally, the higher the magnification, the narrower the field-of-view.

Folded Light Path

A combination optical configuration using lenses and mirrors to create a total scope length much shorter than the total focal length of the system. This provides a compact design yielding long focal length performance.



Magnification (Power)

Spotting scopes are often referred to by numbers separated by an "x". For example: 15–45x60. The first number is the power or magnification of the spotting scope. With a 15–45x60 variable power spotting scope, the object being viewed appears to be 15–45 times closer than you would see it with the unaided eye.



15x



45x

Near or Close Focus

The closest you can be to an object and maintain visual clarity.

Multi-Position Eyepiece

Bushnell's exclusive multi-position eyepiece is available on our 78-7350 and 78-7360 Spacemaster® models. This revolutionary eyepiece features an infinite number of viewing positions between straight-thru and 90 degrees – providing flexibility for viewing comfortably in any situation.

Objective Lens Size

The number after the "x" in the formula: (15–45x60) is the diameter of the objective or front lens. The larger the objective lens, the more light that enters the spotting scope and the brighter the image.

Prism Glass

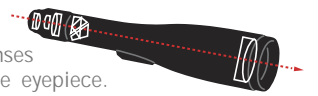
Most optical prisms are made from borosilicate (BK-7) glass or barium crown (BaK-4) glass. BaK-4 is higher quality glass yielding brighter images and high edge sharpness.

Prism Systems

The prism system turns what would otherwise be an upside-down image right-side up.

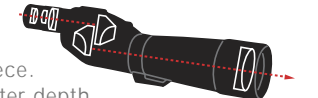
Roof Prism System

The prisms overlap closely, allowing the objective lenses to line up directly with the eyepiece. The result is a slim, streamlined shape in which the lenses and prisms that magnify and correct the image are in a straight line.



Porro Prism System

The objective or front lens is offset from the eyepiece. Porro prisms provide greater depth perception and generally offer a wider field-of-view.



Rainguard®

Our exclusive, patented, hydrophobic (water-repellent) coating on which condensation from rain, fog or snow forms in much smaller droplets than on standard coatings. Smaller droplets scatter less light which results in increased light transmission and a clearer image.

RAINGUARD®



Resolution

Resolution, or definition, is the ability of a spotting scope to distinguish fine detail and retain clarity.

Waterproof/Fogproof

Some scopes are sealed with O-rings and are nitrogen-purged for waterproof and fogproof protection. These models are able to withstand complete immersion and remain dry inside.

Magnify Life.