

opticon

Product Guide 14-15



Binoculars



Compacts



Monoculars



Fieldsopes



Accessories



Smaller, lighter, brighter, sharper

Welcome

... and thank you for your interest in Opticron. We would like to take this opportunity to tell you something about us, our philosophy towards you the customer as well as the products and services we offer.

About Us

Founded over forty years ago, our aim is to deliver the best combination of choice, quality and value backed up with customer service worthy of the name.

Choice

We offer an extensive range of equipment designed to meet the varied demands of often highly discriminating customers who really use their equipment.

Quality and Value

Factors critical to our success that have been developed together with a select number of trusted manufacturers. The benefits of these relationships are seen in the optical performance of the equipment, the guarantees we offer and the value for money which is second to none.

Customer Service

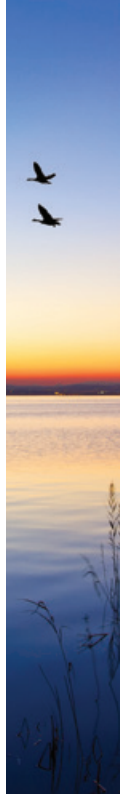
Over forty years in the business means we know things can go wrong and how to deal with them when they do. Whether it's accidental damage or product failure, our technicians will diagnose and repair your instrument - covering everything from replacing a

broken eyecup to overhauling your favorite pair of binoculars. You can talk directly to the person carrying out the repair or through your dealer as you choose.

We hope you find our Product Guide interesting and informative. If you have any questions about the product and services we offer please email us at sales@opticronusa.com and we will reply in person.

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Choosing your Binocular

Specification Example: 8x42. The number '8' denotes the magnification and means an object appears to be 1/8th of its actual distance away. Using this rule an object 40yds distant appears 5yds away. '42' is the diameter of the objective lens (the large end) in mm through which light enters the binocular.

Z or B denote **porro prism** which usually offer better optical performance for your money compared to **roof prism D**, which are more compact. The popularity of roof prism binoculars is a result of this system being favored in the development of instruments with user oriented features such as waterproofing, long eye relief and close focus. **B** denoted on roof prism binoculars including Opticron **BGA** = full field of view for spectacle wearers. **GA** = rubber armoring and **W** or **WA** = wide angle. Center focus **CF**, is more popular than individual eyepiece focusing **IF** especially when you need to focus at different distances under 50yds. Most IF binoculars are 7x magnification and have a large depth of focus which usually eliminates the need for focusing adjustment at distances over 50yds.

What magnification? The higher the magnification relative to the objective lens size, the lower the brightness and the shallower the depth of focus (distance in focus at a single focus setting.) For general observation choose 7x or 8x. If you want 10x or more try them first as magnification amplifies hand-shake affecting image stability.



Naked eye



8x



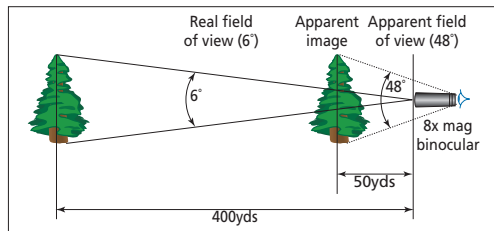
10x

What objective lens size? The amount of light entering a binocular is related to the surface area of the objective lens 'OG'. A 50mm OG will admit 2.5x the light of a 30mm OG. The amount of light reaching the eye is called the exit pupil diameter 'EPD' and its size can be

found by dividing the OG diameter by the magnification. For example the EPD of an 8x32 = 4mm while the EPD of an 8x56 = 7mm. As a general rule your iris dilates 2-3mm in bright sunlight, up to 6-7mm in twilight. With an EPD of 5-6mm 7/8x42's and 10x50's will outperform 8x32's and 10x42's but are larger and heavier for their given magnification.

The **field of view** of a binocular is dependent on the optical design and is expressed as either the width of panoramic view in feet from a distance of 1000yds or in degrees where 1° is approximately 52ft.

Wearing glasses Many binoculars provide the full field of view when wearing glasses by either turning/pushing the retractable eyecups to the 'down' position or folding down the rubber eyecups. Binoculars with a stated eye relief of 15mm or more deliver the full field of view for most spectacle wearers.



Weight For most people, small, lightweight binoculars will be used much more than large heavy ones which tend to be left at home or in the car.



Oasis is a 64 layer coating process applied to the reflective surface of each roof prism. It delivers +99% light transmission over a broader spectrum at the reflective face compared to Al or Ag coatings and results in a measurable increase in brightness and clarity.

PC phase correction coating When light waves are reflected at the opposite faces of a roof prism, phase shift occurs resulting in marginal deterioration in sharpness. Phase corrected coatings are designed to correct this phase shift within the prism increasing overall clarity and definition.

DBA Oasis® S-Coat Mg

Roof Prism

DBA Oasis S-Coat Mg binoculars are among the very best compact full size roof prism binoculars available today, offering sublime performance, comfort and handling.

Designed and built for the professional, features include:

- Complex multi-element long eye relief eyepieces with 24mm eye lenses that deliver 7° (8x42) and 6° (10x42) fields of view with complete viewing comfort
- The highest quality roof prisms featuring phase correction and Oasis prism coatings (see page 5)
- S-type multi-coating for extremely high levels of clarity & color contrast in a variety of light conditions
- Internal focusing to 7.2ft close focus with 500° rotation for precise adjustment
- Magnesium alloy body, fully nitrogen gas filled waterproof to a depth of 16ft



8x42, 10x42

- Lightly textured natural rubber armoring with contoured ribs on the main body and focus wheel that maximize comfort and positive handling with or without gloves
- Durable alloy 4-stage locking rotating retractable eyecup assembly with 'click stop' diopter adjustment
- Integral tripod adapter socket for attaching to a tripod
- Limited Lifetime Warranty

Models supplied in soft leather case with 31020 rainguard, neoprene bungee neck strap and rubber objective lens covers.



8x42, 10x42



500° rotation wide wheel focusing infinity to 7.2ft



For Product Detail and What's in the Box? videos visit www.opticronusa.com

Specifications	8x42	10x42
Code	30610	30611
Field (ft/1000yd)	366	315
Close Focus (ft)	7.2	7.2
Eye relief (mm)	18	18
IPD (mm)	57~77	57~77
HxW (in)	6.0x5.0	6.0x5.0
Weight (oz)	23.0	22.7

Verano® BGA HD

Roof Prism

Building on the strengths of previous models, the Verano BGA HD is designed to deliver a vivid 'true to life' viewing experience essential for accurate wildlife observation.

Optically the binoculars offer:

- Large dia. long eye relief eyepieces with class leading FOV: 8° (8x32), 7° (8x42), 6.5° (10x42)
- 'PGK' glass prisms with PC phase correction coating and Oasis prism coating (see page 5)
- F-type combination multi-coating to optimize color contrast

Mechanically the binoculars:

- Feature a double hinge body, nitrogen gas filled waterproof to 10ft
- Incorporate smooth action wide wheel focusing with close focus to 6ft



8x42, 10x42



BTO

The Verano BGA HD 8x42 is recommended by the British Trust for Ornithology

- Are protected in a lightly textured natural rubber armor contoured to deliver a positive handling experience with or without gloves
- Include 4-stage twist-type retractable eyecups
- Provide a connection to a photo/video tripod

Verano BGA HD binoculars come with a Limited Lifetime Warranty.

Models supplied in soft leather case with rainguard, neoprene neck strap and rubber objective lens covers.



8x32



Lightweight ergonomic polycarbonate and alloy body. Tripod adapter socket



For Product Detail and What's in the Box? videos visit www.opticronusa.com

Specifications	8x32	8x42	10x42
Code	30600	30601	30602
Field (ft/1000yd)	420	366	339
Close Focus (ft)	4.9	6.6	6.6
Eye relief (mm)	17	22	21
IPD (mm)	56~74	56~74	56~74
HxW (in)	5.0x4.8	6.0x5.0	6.0x5.0
Weight (oz)	21.5	26.0	26.0



Imagic® BGA SE

Roof Prism

The 6th generation Imagic BGA challenges any preconceptions you have regarding the quality and performance you can expect when spending \$750 on a new 50mm binocular. Staying true to the original design concept; lightweight, ergonomic and packed with the latest features, the Imagic BGA SE 8.5x50 and 10x50 offer a serious alternative to the premium sector with outstanding performance and value.



8.5x50, 10x50

Optically the Imagic BGA SE's feature:

- Class leading fields of view with large diameter long eye relief eyepieces for really comfortable viewing
- 'PGK' glass prisms with PC phase correction coating and Oasis prism coating (see page 5)
- Opticron F-type multi-coating constructed to maximize color contrast in low light

Mechanically the binoculars:

- Feature a lightweight magnesium body
- Are nitrogen filled and waterproof to 10ft
- Are internally focused with close focus to under 11.5ft
- Are fitted with 4-stage retractable eyecups

Imagic BGA SE binoculars come with a Limited Lifetime Warranty.

Models supplied in soft leather case with 31028 rainguard and neoprene neck strap.

Specifications	8.5x50	10x50
Code	30481	30482
Field (ft/1000yd)	315	303
Close Focus (ft)	11.5	11.5
Eye relief (mm)	23	23
IPD (mm)	58~74	58~74
HxW (in)	6.9x5.2	6.9x5.2
Weight (oz)	28.0	27.9

BGA Classic

Roof Prism

Fifth generation BGA offering superior performance for the enthusiast looking for a compact, well balanced, easy to use wide-angle binocular with large depth of field and 6.6ft close focus.

With an optical system designed to deliver comfortable viewing for long periods, specifications include Oasis prism coating (see page 5), PC phase correction for optimum resolution and Opticron N-type multi-coating for superb color contrast.

Delivering a wide-angle 7.2° field of view with long eye relief for full field of view with glasses, the binocular features 3-stage rotating retractable eyecups and click-stop right diopter adjustment. Focusing is via glide-action wide wheel geared for 540° or 1.5 turns from 6.6ft to infinity.

Mechanically the instrument uses an alloy and polycarbonate main body structure and is nitrogen filled and fully waterproof to a depth of 16ft.

Finished in contoured natural rubber armor shaped to reduce weight wherever possible but ensuring a good level of protection, the BGA Classic 7x36 comes with a comprehensive Limited Lifetime Warranty.

Model supplied in soft leather case with 31020 rainguard and neoprene neck strap.



Specifications	7x36
Code	30208
Field (ft/1000yd)	378
Close Focus (ft)	6.6
Eye relief (mm)	19
IPD (mm)	57-77
HxW (in)	5.4x5.0
Weight (oz)	22.0



Countryman® BGA HD

Roof Prism

Designed and built to deliver exceptional performance in a lightweight rugged body, the Countryman BGA HD series are the ideal choice for the wildlife enthusiast searching for superior cross field definition and light transmission coupled with great handling.

Specifications and features include:

- 100% made in Japan HD optical system with 'PC' phase corrected prism units and Oasis prism coating
- Nitrogen filled construction to a depth of 10ft
- Textured natural rubber armoring for exceptional comfort & grip
- Wide wheel glide-action focusing with right side diopter adjustment
- 3-stage retractable eyecups: 8x32, 10x42, 10x50, 12x50, 4-stage: 8x42
- Tripod adapter socket
- Limited Lifetime Warranty

Models supplied in soft leather case with 31020 rainguard, wide neck strap and rubber objective lens covers.



8x42, 10x42



8x32



10x50, 12x50

Specifications	8x32	8x42	10x42	10x50	12x50
Code	30604	30605	30606	30607	30608
Field (ft/1000yd)	420	366	315	264	219
Close Focus (ft)	9.2	7.5	7.5	13	9.8
Eye relief (mm)	19	22	17	19	18
IPD (mm)	56~73	56~74	56~74	56~74	56~74
HxW (in)	4.9x4.8	5.4x5.0	5.4x5.0	6.6x5.2	6.6x5.2
Weight (oz)	21.7	24.1	24.7	28.1	28.2

Natura BGA®

Roof Prism

Featuring a tried and tested optical system packaged in a new double hinge body, the Natura BGA delivers an unbeatable combination of user comfort, performance and value.

Aimed at the enthusiast wanting a lightweight yet robust and supremely reliable field glass, the binoculars are designed and manufactured in Japan and come with a Limited Lifetime Warranty.

Specifications and features include:

- Compact fully multi-coated optical system with high quality 'PC' phase corrected prism units and Oasis prism coating
- High resolution optics with excellent color correction
- Perfect 50:50 balance in the hand
- Long eye relief for full field of view with glasses
- Nitrogen purged waterproofing to a depth of 10ft
- Durable textured natural rubber armoring
- Wide wheel glide-action focusing with locking central diopter adjuster
- Infinity focus to 10ft in under half a turn
- Rotating eyecups: 4-stage (8x42), 3-stage (10x42)
- Tripod adapter socket

Models supplied in soft case with 31020 rainguard and wide neck strap.



8x42, 10x42

Specifications	8x42	10x42
Code	30629	30630
Field (ft/1000yd)	327	264
Close Focus (ft)	9.5	8.9
Eye relief (mm)	19	18
IPD (mm)	56~74	56~74
HxW (in)	5.4x5.0	5.4x5.0
Weight (oz)	23.2	23.6

Traveller® BGA Mg

Roof Prism

The Traveller BGA Mg exemplifies our commitment to develop equipment with the aim of delivering the highest quality and value for money in every category in which we compete.

Measuring just 3.9x4.6" and weighing 13oz, each Traveller BGA Mg fits easily into a coat pocket, backpack or sling bag making them perfect for the outdoor enthusiast preferring the capability of a full size binocular but wanting the portability of a compact one.

Designed and manufactured in Japan to offer a high quality viewing experience the Traveller BGA Mg features BAK 4 prism units, PC phase correction and Oasis prism coating that deliver clean, crisp images with minimal edge distortion.

Other features include:

- Nitrogen gas waterproof to 10ft
- Non-slip rubber covering for comfort
- Fully multi-coated optical system
- Long eye relief eyepieces for full field with or without glasses
- Push/pull retractable eyecups
- Wide wheel focusing with close focus to under 6ft
- Hinge lock system to maintain IPD
- Limited Lifetime Warranty

Models supplied in soft case with 31025 rainguard and padded neck strap.



6x32, 8x32, 10x32

Specifications	6x32	8x32	10x32
Code	30497	30498	30499
Field (ft/1000yd)	423	333	270
Close Focus (ft)	4.9	4.9	4.9
Eye relief (mm)	19	19	16
IPD (mm)	57~71.5	57~71.5	57~71.5
HxW (in)	3.9x4.6	3.9x4.6	3.9x4.6
Weight (oz)	12.9	13.4	13.1

HR WP

Porro Prism

In a segment dominated by the roof prism binocular, the HR WP re-thinks, re-works, and re-packages the porro prism binocular for today's more demanding user.

Designed for the enthusiast and anyone seeking the very highest optical resolution for their money, the HR WP successfully combines the qualities of traditional porro prism and modern roof prism formats into a single multi-purpose, user friendly, high performance field glass.

Featuring the 'B' porro prism format with internal focusing and long focal length long eye relief eyepieces, components are of a very high quality and all air-to-glass surfaces are fully multi-coated to minimize light loss within the system.

Hermetically sealed, each instrument is fully nitrogen waterproof to a depth of 10ft and comes with the assurance of our Limited Lifetime Warranty.

Models supplied in soft case with 31025 rainguard and wide neck strap.



8x42, 10x42

Specifications	8x42	10x42
Code	30090	30091
Field (ft/1000yd)	336	267
Close Focus (ft)	9.8	9.8
Eye relief (mm)	20	17
IPD (mm)	56~73	56~73
HxW (in)	5.0x7.2	5.0x7.2
Weight (oz)	25.2	25.6



Explorer WA

Roof Prism

The Explorer WA offers a combination of quality, specification and ergonomics unique to their price category.

Utilizing Opticron's trademark compact optical system philosophy, the Explorer WA cleverly mixes wide-field vision with clean, crisp and clear images.

The optics are fitted into a lightweight magnesium alloy body that provides excellent balance for all hand sizes, while each binocular is clothed in a special soft-touch tactile rubber covering making them especially easy to pick-up, grip and use.

Other features include:

- Nitrogen waterproof construction
- BAK 4, PC phase corrected prisms integrated into a fully multi-coated wide field optical system
- 3-stage retractable eyecups
- Close focus to 8.2ft
- Tripod adapter socket

Explorer WA binoculars come with a comprehensive Limited Lifetime Warranty.

Models supplied in soft case with rainguard, padded neck strap and rubber objective lens covers.



8x42, 10x42

Specifications	8x42	10x42
Code	30614	30615
Field (ft/1000yd)	393	339
Close Focus (ft)	6.6	8.2
Eye relief (mm)	17	15
IPD (mm)	55~73	55~73
HxW (in)	5.5x5.0	5.5x5.0
Weight (oz)	23.7	22.5

Discovery WP PC

Roof Prism

Using an ultra-compact optical design the Discovery WP PC series are among the smallest waterproof roof prism binoculars available on the market. With a host of features including wide field eyepieces, close focus to under 6ft and IPDs as low as 52mm, they offer you a well made, stylish and user friendly field glass.

Features include:

- Nitrogen waterproof construction
- Lightweight magnesium bodies (8x42, 10x42, 8x50 & 10x50)
- Super lightweight ABS plastic body (8x32)
- Fully multi-coated coated optics with PC phase corrected prisms
- Long eye relief for spectacle wearers with twist type eyecups
- Tripod adapter socket (8x42 & 10x42 only)
- Limited Lifetime Warranty

Models supplied in soft case with rainguard and wide neck strap.



8x42, 10x42



8x32



8x50, 10x50

Specifications	8x32	8x42	10x42	8x50	10x50
Code	30452	30458	30459	30457	30467
Field (ft/1000yd)	393	393	315	366	345
Close Focus (ft)	3.9	4.9	4.9	4.9	4.9
Eye relief (mm)	17	22	17	21	22
IPD (mm)	52~75	53~75	53~75	57~75	57~75
HxW (in)	4.3x4.6	5.2x5.0	5.2x5.0	5.7x5.2	5.7x5.2
Weight (oz)	13.8	24.8	24.6	28.1	28.7

Imagic® TGA WP

Porro Prism

Designed to look and feel exceptional, Imagic TGA WP binoculars offer a host of features normally reserved for higher priced instruments. Fitted with BAK4 prisms and utilizing a differential multi-coating system with high refractive index coatings on the eyelenses and objectives, the models deliver excellent clarity and contrast and will match or outperform many roof prism binoculars costing \$300 or more. 50mm models are especially suited to star gazing.

Other features include nitrogen waterproof construction, rotating retractable eyecup assembly with extension lock, click stop right diopter adjustment, integral tripod adapter socket and Limited Lifetime Warranty.

Models supplied in soft case with rainguard and wide neck strap.



7x42, 8x42, 10x42



8x32



7x50, 10x50

Specifications	8x32	7x42	8x42	10x42	7x50	10x50
Code	30550	30551	30552	30553	30554	30555
Field (ft/1000yd)	366	378	342	291	315	279
Close Focus (ft)	8.2/2.5	13.1/4	9.5/2.9	9.5/2.9	16.1/4.9	14.8/4.5
Eye relief (mm)	21	22	21	21	21.5	19.5
IPD (mm)	57~73	57~73	57~73	57~73	57~73	57~73
HxW (in)	4.5x6.5	5.6x7.1	5.6x7.1	5.6x7.1	6.8x7.5	6.8x7.5
Weight (oz)	21.7	24.1/	24.1	24.2	28.4	29.1

T3 Trailfinder®

Roof Prism

The T3 Trailfinder's clever combination of wide-angle optics and fast focus system fitted into a compact body clothed in textured rubber armor help create a comfortable, easy to use range of binoculars equally suited to general wildlife observation as well as more specialist pursuits such as hunting, field archery and birdwatching.

Available in 8x42 and 10x42 in a choice of black or dark green durable textured rubber armor, features include:

- Fully multi-coated optical system including BAK 4 prisms and PC phase correction coatings
- Nitrogen waterproof construction
- Long eye relief, wide angle eyepieces fitted with twist type retractable eyecups
- Internal focusing with close focus to 4.9ft
- Limited Lifetime Warranty

Models supplied in soft case with rainguard and padded neck strap.



8x42, 10x42 Black



8x42, 10x42 Green

Specifications	8x42	10x42
Product Code Bl	30080	30081
Product Code Gr	30082	30083
Field (ft/1000yd)	375	339
Close Focus (ft)	4.9	4.9
Eye relief (mm)	21	16
IPD (mm)	58~77	58~77
HxW (in)	5.5x5.0	5.5x5.0
Weight (oz)	26.2	25.8



T3 Trailfinder (green) binoculars are endorsed by the Great Florida Birding and Wildlife Trail

Oregon 4 LE WP

Roof Prism

The Oregon 4 LE WP nitrogen waterproof series offer the first-time or occasional user with a high standard of optical performance and functionality in a highly desirable well constructed body. With surprisingly neutral images for their price, the binoculars are perfect for general wildlife observation.

Features include:

- BAK 4 glass, fully multi-coated optical system
- Long eye relief and twist type retractable eyecups
- Sophisticated twin relief rubber armored finish
- Wide wheel focusing with close focus to 6ft (8x32), under 10ft (8/10x42 and 10x50)
- Wide-angle 8x32 with 8.1° field of view
- Limited Lifetime Warranty

Models supplied in soft case with rainguard, wide neck strap and rubber objective lens covers.



8x42, 10x42

Specifications	8x32	8x42	10x42	10x50
Code	30525	30526	30527	30528
Field (ft/1000yd)	423	342	303	240
Close Focus (ft)	5.9	9.5	9.5	8.2
Eye relief (mm)	15	22	19	22
IPD (mm)	58~74	57~74	57~74	61~74
HxW (in)	4.3x4.6	5.9x4.9	5.9x4.9	6.7x5.1
Weight (oz)	17.5	23.9	24.0	29.8



8x32



10x50

Savanna WP

Porro Prism

Handy, lightweight, thoroughly modern porro prism binoculars uniquely suited to adults and children. With popular features such as waterproofing, long eye relief and ergonomic rubber armor, the optical set-up delivers brighter, sharper more three dimensional images compared to similarly priced roof prism binoculars. In addition, the wide field eyepieces and a large depth of field make for easy location and tracking of wildlife.

With a minimum IPD of 50mm, the Savanna WP can be used by children as young as 7 years without fear of eye strain. Weighing just over 17oz and standing just 4.5" high, the binocular fits easily into a backpack or sling bag or can be stored in its lightweight neoprene case.

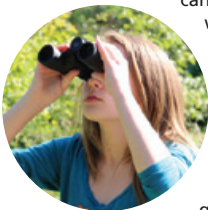
Like their sister compact models, both the 6x30 and 8x30 are engineered to deliver excellent quality and value for money for wildlife watchers of all ages and come

with a comprehensive Limited Lifetime Warranty against manufacturing defects.

Models supplied in neoprene case with rainguard and wide neck strap.



6x30, 8x30



Specifications	6x30	8x30
Code	30045	30046
Field (ft/1000yd)	420	393
Close Focus (ft)	9.8	9.8
Eye relief (mm)	21	18
IPD (mm)	50~70	50~70
HxW (in)	4.6x6.3	4.6x6.3
Weight (oz)	17.1	17.3



Adventurer Series

Binoculars

Adventurer binoculars offer the budget conscious and first-time user genuine quality and value for money.

8x32, 8x42, 10x42 Roof Prism

BAK-4 fully multi-coated optics, nitrogen waterproof and finished in green or black textured rubber armor. Models supplied in soft case with rainguard, neck strap and rubber objective lens covers. Standard Warranty.



8x42, 10x42
Black

8x40, 10x50 Porro Prism

BK-7 multi-coated porro prism binoculars available in green or black rubber armor finishes, the Adventurer porro are a great choice for anyone wanting a sturdy, reliable porro prism binocular with long eye relief. Supplied in soft case with rainguard and neck strap. Standard Warranty.



8x32 Green



8x40 Black



10x50 Green

Adventurer Series

Spotting scope

Compact lightweight fully multi-coated 60mm spotting scope featuring integrated 15-45x zoom eyepiece with twist-type eyecup.

Available in a choice of dark green or black protective rubber armor each model features a retractable sunshade and integrated objective lens cover.

Models supplied complete in soft case with eyepiece dome cap and pan and table tripod.

Standard Warranty.



15-45x60/45 Green



Specifications	8x32	8x42	10x42	8x40	10x50
Product Code BI	30068	30040	30041	30159	30160
Product Code Gr	30069	30042	30043	30161	30162
Field (ft/1000yd)	324	357	294	429	346
Close Focus (ft)	16.4	16.4	16.4	11.5	16.4
Eye relief (mm)	20	20	15	19	19
IPD (mm)	56~73	56~73	56~73	57~72	57~72
HxW (in)	5.3x4.7	5.8x4.9	5.8x4.9	5.4x7.3	7.1x7.6
Weight (oz)	17.9	22.1	22.0	24.9	29.8

Specifications	15-45x60
Product Code BI	40160
Product Code Gr	40161
Field (ft/1000yd)	102/51
Close Focus (ft)	18
Eye relief (mm)	24-17
OG Dia (mm)	60
Length (in)	12.8
Weight (oz)	31.4



Marine Binoculars & Monoculars

Porro Prism

Marine Series binoculars and monoculars exemplify our commitment to provide quality, innovation and choice. Whichever model you choose, each instrument has been specifically designed and manufactured to meet the toughest performance criteria demanded by the enthusiast and professional user alike.

Available in 7x50 specification, the models feature enlarged porro prisms and anti-reflective multi-coatings that maximize field of view, cross-field resolution and low light performance. Long eye relief eyepieces and large depth of field provide the best chances for stable, comfortable viewing under constant motion with or without glasses.

Marine Series binoculars and monoculars are fully nitrogen gas filled waterproof and splash proof and are protected from knocks and bumps with specially mounted prism assemblies, strong single die-cast aluminum bodies and thick rubber armoring.



Pro Series II 7x50



Pro Series II 7x50/C

Marine Binoculars with Compass

Pro Series II 7x50 BIF.GA/C and Marine-2 7x50 BIF.GA/IC binoculars come equipped with integrated compass and distance scale for use in the northern hemisphere marked 1 in the diagram below. Compasses for other world regions can be fitted to order.





Marine-2 7x50



Marine-3 7x50



Marine-3 7x50

Pro Series II binoculars are supplied in a semi-rigid multi-purpose case with neoprene neck strap, rainguard & integral objective lens caps. Limited Lifetime Warranty.

Marine-2 and Marine-3 binoculars are supplied in a soft case with wide neck strap, rainguard & integral objective lens caps. Limited Lifetime Warranty.

The Marine-3 monocular is supplied in a soft case with strap, integral objective lens cap and Limited Lifetime Warranty.

Specifications	PSII 7x50	PSII 7x50/C	M-2 7x50	M-3 7x50	M-3M 7x50
Product Code	30128	30129	30334	30056	30054
Field (ft/1000yd)	378	378	369	378	378
Eye relief (mm)	24	24	20	18	18
IPD (mm)	58~74	58~74	57~74	56~75	n/a
HxW (in)	7.7x8.1	7.7x8.1	7.1x7.9	7.4x8.1	7.4x3.3
Weight (oz)	43.8	44.6	37.8	38.6	19.0

DBA® Oasis®

Roof Prism

Setting the standard for affordable premium pocket binoculars, each DBA Oasis compact provides the discerning user with an unrivaled combination of optical specification and user orientated features.

Offering the highest performance of any Opticron compact, features and specifications include:

- Compact roof prism design. 8x21 folds to 4.1x2.7"
- The successful combination of wide-field vision with long eye relief
- Nitrogen gas waterproof construction to a depth of 10ft
- PC phase correction, full Opticron N-type multi-coating and Oasis prism coating (see page 5)
- 19mm diameter eye lenses to maximize viewing comfort
- Fully rubber armored body (including focus wheel) with ergonomic 'ribbed' design to deliver a positive feel with or without gloves
- 4-stage locking rotating retractable eyecups to provide maximum control in the optimum positioning of the eye with respect to the eye lens
- Close focus to under 8ft
- Integral lugs providing connection to a specially designed neoprene neck strap or other strap of your choice
- Comprehensive Limited Lifetime Warranty

Models supplied in soft leather case with 31021 rainguard and 29010 neoprene neck strap.



8x21



10x25

Specifications	8x21	10x25
Code	30380	30381
Field (ft/1000yd)	393	315
Close Focus (ft)	5.9	7.9
Eye relief (mm)	17	17
IPD (mm)	37~72	37~72
HxW (in)	4.1x4.2	4.7x4.2
Weight (oz)	11.6	12.2

BGA T PC Oasis®

Roof Prism

An excellent alternative to conventional sized binoculars, and available in 8x, 10x or 12x magnifications, BGA T PC Oasis roof prism pocket binoculars feature high definition optics with PC phase corrected prisms and Oasis prism coating (see page 5).

The lightest binoculars in our range, the instruments are fully rubber covered and nitrogen gas filled waterproof ensuring 100% reliability in the field. The 8x24 is the smallest Opticron roof prism weighing in at 8.5oz and folding down to just 3.7x2.6x1.8".

Other features include:

- Full field of view with or without spectacles
- Twist-type retractable eyecups
- Close focus to under 15ft
- Limited Lifetime Warranty

Models supplied in soft leather case with 31000 neck strap.



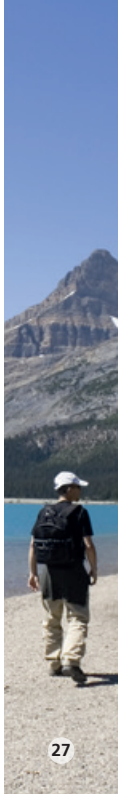
8x24

12x30



10x28

Specifications	8x24	10x28	12x30
Code	30015	30016	30017
Field (ft/1000yd)	330	258	228
Close Focus (ft)	8.2	12.8	14.8
Eye relief (mm)	15	15	15
IPD (mm)	36~71	36~71	36~71
HxW (in)	3.7x4.1	4.2x4.1	4.8x4.2
Weight (oz)	8.5	9.2	10.2



Verano® BGA PC

Roof Prism

Distinctively stylish long eye relief binoculars, Verano BGA PC roof prism compacts are designed with a single hinge chassis allowing for easy one hand operation.

Protected in natural rubber armor and featuring a high-contact aluminum focus wheel, features include:

- Nitrogen gas filled waterproof construction (internal focusing)
- PC Phase corrected prisms with full multi-coating to all air/glass surfaces
- Long eye relief eyepieces for spectacle wearers
- Twist type retractable eyecups
- Close focus to under 7ft
- Limited Lifetime Warranty

Models supplied in soft case with 31000 neck strap.



Specifications	8x25	10x25	12x25
Code	30025	30026	30027
Field (ft/1000yd)	330	261	225
Close Focus (ft)	6.6	6.6	6.6
Eye relief (mm)	19	19	19
IPD (mm)	55~75	55~75	55~75
HxW (in)	4.3x4.2	4.3x4.2	4.3x4.2
Weight (oz)	11.3	11.4	11.5

Aspheric LE WP

Roof Prism

The Aspheric LE WP offers benchmark ergonomics and optical quality in a timeless design. Aspheric lens technology, silver coated PC Phase corrected prisms and fully multi-coated optics translate into bright, clear images with impressive color fidelity that can be enjoyed with or without spectacles.

Other features include:

- Twin hinge body folds down to 4.4x2.6x1.7"
- Nitrogen waterproofing to protect against spray, damp or mist
- Full body rubber armoring and high contact focus wheel
- Integral neck strap
- Close focus to 6.6ft
- Limited Lifetime Warranty

Models supplied in soft neoprene case.



8x25



10x25

Specifications	8x25	10x25
Code	30515	30516
Field (ft/1000yd)	273	261
Close Focus (ft)	6.6	6.6
Eye relief (mm)	16	16
IPD (mm)	32~74	32~74
HxW (in)	4.4x4.1	4.4x4.1
Weight (oz)	10.3	10.3



HR WP

Porro Prism

HR WP compact binoculars are designed and engineered to provide class leading standards of optical clarity and viewing comfort.

The single hinge porro prism body allows for easy one hand operation and provides the necessary space to fit the 5 element long eye relief eyepieces, large prisms and 26mm dia. objective lenses.

The results are clear - brightness and resolution are a class above similarly priced roof prism compacts which for many people will more than make up for the extra size and weight.

Main features include:

- Nitrogen waterproof to a depth of 10ft
- Long eye relief eyepieces with alloy twist-type eyecups
- Fully multi-coated optical system with Opticron F-type coating to eyepieces and objective lenses
- Twin texture soft touch rubber armor
- Easy-grip focus wheel made from aluminum and house-style ribbed rubber
- Limited Lifetime Warranty

Models supplied in soft case with 31000 neck strap.



Specifications	8x26	10x26
Code	30094	30095
Field (ft/1000yd)	288	261
Close Focus (ft)	11.5	11.5
Eye relief (mm)	18	15
IPD (mm)	58~73	58~73
HxW (in)	4.1x4.8	4.1x4.8
Weight (oz)	14.0	14.1

Explorer

Roof Prism

The Explorer 8x21 and 10x21 are the perfect companion for 'explorers' of all ages. Compact enough to be carried easily in the palm of your hand or hanging securely from it's wrist strap, the model delivers clean crisp images with good levels of brightness and comfort.

The roof prism body is fully armored for extra comfort and grip and folds up to 3.6x2.5" for easy transport and storage. The ribbed focus wheel makes for easy focusing - infinity to under 6.6ft and the models are designed to give a good field of view with or without glasses.



8x21, 10x21

Other features include:

- Compact roof prism optical design - Weatherproof*
- Multi-coated lenses with high reflection coated prisms
- Twist type retractable eyecup assembly
- Limited Lifetime Warranty

Models supplied complete in soft case with wrist strap.

*Weatherproof. Explorer binoculars are built to withstand water penetration as a result of everyday use such as being used in a rain shower. They are not nitrogen gas filled waterproof and should not under any conditions be submerged in water.



8x21, 10x21

Specifications	8x21	10x21
Code	30616	30617
Field (ft/1000yd)	324	261
Close Focus (ft)	6.6	6.6
Eye relief (mm)	14	14
IPD (mm)	36~71	36~71
HxW (in)	3.6x4.1	3.6x4.1
Weight (oz)	6.9	6.9

Savanna

Porro Prism

A versatile easy-to-use compact reverse porro prism, the Savanna is a great choice for all the family, delivering bright and sharp images with good eye relief and depth of field.

Specially designed with a minimum IPD (interpupillary distance) setting of 54mm, children as young as 7 years can take advantage of the superior optical performance the Savanna offers.

Clothed in 'soft touch' natural protective rubber armoring with additional objective lens protection to guard against knocks and bumps, each Savanna is supplied with comprehensive Limited Lifetime Warranty.

Models supplied in soft neoprene case with neck strap.



8x23, 10x23



8x23, 10x23

Specifications	8x23	10x23
Code	30373	30374
Field (ft/1000yd)	339	273
Close Focus (ft)	8.2	8.2
Eye relief (mm)	16	16
IPD (mm)	54~72	54~72
HxW (in)	3.9x4.3	3.9x4.3
Weight (oz)	10.4	10.5

T3 Trailfinder®

Roof Prism

Entry level general-purpose compact binoculars, the T3 Trailfinder series are designed and built to offer excellent all-round performance and value for money for under \$120.

Suitable for casual wildlife observation as well more specialized hobbies where size and weight are at a premium, the optics are packaged into a rugged, easy-to-use single hinge body with wide wheel focusing.

Like their sister models, T3 compacts are available in either black or green rubber armor.

Features include:

- Multi-coated roof prism optical system with long eye relief for viewing with or without spectacles
- Nitrogen waterproof construction
- 4-stage twist-type retractable rubber eyecups
- Wide wheel focusing
- Close focus to 6ft or under
- Limited Lifetime Warranty

Models supplied in soft case with neck strap and rubber objective lens covers.



8x25, 10x25 Black



8x25, 10x25 Green

Specifications	8x25	10x25
Code Black	30070	30071
Code Green	30072	30073
Field (ft/1000yd)	357	288
Close Focus (ft)	4.9	5.9
Eye relief (mm)	16	15
IPD (mm)	59~73	59~73
HxW (in)	3.9x4.3	3.9x4.3
Weight (oz)	10.4	10.5



T3 Trailfinder (green) binoculars are endorsed by the Great Florida Birding and Wildlife Trail

DBA Oasis® S-Coat

Roof Prism

DBA Oasis S-Coat monoculars are designed for the professional offering the highest performance and specification in a compact roof prism design.

Features include:

- 7° (8x42) and 6° (10x42) long eye relief large diameter eyepieces for viewing comfort
- High quality Oasis coated roof prisms with phase correction coating (see page 5)
- S-type multi-coating for extremely high clarity & color contrast in all light conditions from early morning till dusk
- Close focus to under 9ft
- Nitrogen gas filled waterproof to 16ft

Fully armored with a ribbed focus band, models are supplied in soft leather case with neoprene monocular neck strap and rubber objective lens cover. Limited Lifetime Warranty.



8x42, 10x42

Specifications	8x42	10x42
Code	30445	30446
Field (ft/1000yd)	366	315
Close Focus (ft)	8.2	9.0
Eye relief (mm)	21	19
HxW (in)	5.6x2.0	5.6x2.0
Weight (oz)	12.1	12.3



2.5x UTA Pocket Telescope Conversion



Tripod Mount

BGA

Roof Prism

BGA monoculars deliver a viewing experience akin to a pair of standard size roof prism binoculars in a pocket size instrument measuring only 1.7x5.4".

Designed and manufactured in Japan, features include internally focused fully multi-coated optics, long eye relief eyepieces for full field of view with or without spectacles, twist-type eyecup, wide band focusing, close focus to under 7ft, nitrogen waterproofing to a depth of 10ft and a Limited Lifetime Warranty.

Models supplied in soft case with neck strap.



8x42, 10x42

Accessories for DBA and BGA Monoculars (pictured opposite)

2.5x UTA Pocket Telescope Converter

A dedicated push fit conversion which increases the magnification of each monocular by a factor of 2.5x creating a pocket telescope for long range observation. Code 30442.

Tripod mount for DBA and BGA monoculars

A tailor-made sleeve mount providing a secure connection to any photo/video panhead with a 1/4" thread. Mount secures over objective lens housing. Size: 70x70mm, Weight: 67g. Codes; 30444 Tripod Mount DBA, 30443 Tripod Mount BGA.

Specifications	8x42	10x42
Code	30440	30441
Field (ft/1000yd)	330	267
Close Focus (ft)	6.6	6.6
Eye relief (mm)	19	16
HxW (in)	5.4x1.7	5.4x1.7
Weight (oz)	10.1	10.1

Waterproof

Roof Prism

These high quality fully multi-coated monoculars feature nitrogen gas filled waterproof construction and thick rubber covering with finger grooves for easy one hand operation making them excellent all-purpose 'take-anywhere' field glasses.

Designed and manufactured in Japan, the 5x30 and 8x32 feature long eye relief eyepieces delivering the full field of view with glasses. 5x30 and 8x30 have a fold down eyecup while the 8x32 is fitted with a 4-stage twist-type assembly to allow a more precise set-up.

Models 5x30 and 8x30 finished in dark green, 8x32 finished in black.

Models supplied in soft case with neck strap and integrated objective lens cap. Limited Lifetime Warranty.



5x30, 8x30



8x32

Specifications	5x30	8x30	8x32
Code	30344	30345	30348
Field (ft/1000yd)	366	393	393
Close Focus (ft)	13.1	16.4	16.4
Eye relief (mm)	25	11	16
HxW (in)	5.5x1.9	5.5x1.9	5.2x1.9
Weight (oz)	8.9	8.9	9.6

Gallery Scope

Roof Prism

Named with the art critic in mind, the Opticron 8x20 Gallery Scope is an excellent tool for the macro study of wildlife as well as an easy to use 8x magnification field monocular that fits unnoticed into a shirt pocket or backpack.

Boasting a high quality Japanese made roof prism optical system, the unit delivers crisp clear images with a useful 6.8° field of view. Focusing at 50ft and over requires only small adjustments in the focusing but wind the focusing fully out and you will be rewarded with close focus down to under 12" for detailed inspection of all kinds of flora and fauna.

Other features include:

- Fully coated optical system
- Fold down rubber eyecup
- Anodized gloss black finish
- Limited Lifetime Warranty

Models supplied in soft case with strap.

30259 Microstand (3x) with LED illuminator

Opticron Gallery Scopes can be converted into compact table top microscopes using the 30259 Microstand with LED illuminator. This useful accessory multiplies basic monocular magnification by a factor of 3.



Specifications	8x20
Code	30165
Field (ft/1000yd)	357
Close Focus (in)	11.8
Eye relief (mm)	11
HxW (in)	3.7x1.3
Weight (oz)	3.7



Choosing your Fieldscope

Prismatic telescopes are often called spottingscopes or fieldscopes and follow the basic design of a large monocular. Opticron fieldscopes come in 'body only' format allowing you to choose an eyepiece or eyepieces to suit your hobby and budget.

Eyepieces are described according to their magnification when fitted to a particular spottingscope and whether they are wide-angle e.g. 20xWW or zoom e.g. 20-60x. A 20x eyepiece makes an object appear 1/20th its actual distance compared to your naked eye. Using this rule an object 500yds distant appears 25yds away at 20x, 16.7yds at 30x and 8yds at 60x.

What magnification/objective lens size? Spottingscopes are most often used for high magnification daylight observation at distance. In normal daylight when your pupil is dilated 2-3mm, a 66mm fieldscope will deliver optimum performance, (the balance between magnification and image brightness) between 22x and 35x, i.e. when the exit pupil diameter of the fieldscope equals that of your iris.

In low light when your pupil dilates 5-7mm, optimum performance can only be achieved by lowering the magnification or increasing the size of the objective lens.

The higher the magnification, the greater amount of image and color distortion. These effects can be reduced by using ED or Fluorite lenses in the objective system but run at a premium over standard optical glass lenses.

Field of view is usually expressed as the width in meters of the image when viewing at a distance of 1000yds and is directly related to the magnification. The higher the magnification, the smaller the field of view. The objective lens, irrespective of diameter has no influence over the field of view.



Naked eye



20x



30x

Light transmission One way to assess the brightness of a fieldscope and eyepiece is to calculate the exit pupil diameter in the same way as with a binocular and make a trade-off between brightness and magnification desired. For general daytime terrestrial observation good compromise magnifications are 18-25x(50mm), 20-30x(60mm), 25-35x(66mm) and 25-40x(80mm).

Resolution As a general rule a good spotting scope can resolve (separate) two black dots 1.5mm distance apart on a white surface, in bright daylight at a distance of 50yds.

Which Eyepiece? The vast majority of spotting scopes are used with zoom eyepieces as they offer the greatest flexibility for viewing at different distances in different light conditions. We also offer you a wide range of eyepieces for specialized applications and there is no substitute for side by side testing if you have the opportunity to do so.

Wearing Glasses Eye relief is the distance between the eye lens and the point where your pupil is positioned to obtain full field of view and varies slightly from eyepiece to eyepiece. In some cases the eye relief may be shorter than you need to obtain the full field of view. Almost all Opticron eyepieces offer the full field of view for most people who choose to use them with their glasses on.

Straight or 45° angled? Straight scopes are easier to use following fast moving objects, using the instrument from the confined spaces of a hide/blind or vehicle, or when hand-holding. Advantages of 45° angled spotting scopes are that your back, shoulders and neck are more relaxed when viewing and your tripod can be set lower for increased stability. Angled scopes allow people of different heights to view simultaneously without having to make any adjustment to the height of the tripod.

Tripods A suitable tripod will be on average about the same weight as the fieldscope it is supporting. If you are thinking of walking any distance with your equipment make sure to test the complete kit before buying.



HR ED Fieldscopes

"Smaller, lighter, brighter, sharper" HR ED fieldscopes are designed and manufactured to deliver exceptional optical performance combined with sublime handling and total reliability.

Aimed squarely at the serious user, HR ED fieldscopes are built to withstand extremes in temperature, to operate unaffected by rain, cold or humidity and be used anywhere from the equatorial rainforests to the poles.

Delivering the highest resolution figures in the Opticron range, each model contains a high definition 5 element apochromat objective lens with 2 individual ED elements. In addition to enhancing resolution, this second element delivers significant reductions in chromatic aberration settings compared to single element designs.

To optimize light transmission and color contrast across the magnification range, Opticron N-type extra wide band multi-coating is applied to all air/glass surfaces throughout each instrument.



Mechanically HR ED fieldscopes feature a magnesium alloy body fitted with a $\pm 90^\circ$ rotating tripod sleeve. Fully nitrogen gas filled waterproof and hermetically sealed against penetration from dust and moisture, the models are protected in durable textured rubber armor.

Other features include a centrally positioned focus wheel for optimum accessibility, retractable lens hood (sunshade) and integrated rubber objective lens cover.

Models supplied with a Limited Lifetime Warranty.



Optional Telephoto conversion for SLR cameras (see page 52).



Optional Waterproof Case. Available in green.



HR 66 GA ED shown with SDL v2 18-54x



HR 66 GA ED/45° shown with SDL v2 18-54x



HR 80 GA ED shown with SDL v2 24-72x



HR 80 GA ED/45° shown with SDL v2 24-72x

Specifications	66 ED	66 ED/45	80 ED	80 ED/45
Code	41002	41003	41006	41007
OG Dia (mm)	66	66	80	80
Close Focus (ft)	16.4	16.4	26.2	26.2
Length (in)	11.4	13.0	14.6	15.9
Weight (oz)	42.7	45.0	57.7	60.1

ES v3 Fieldscopes

ES v3 fieldscopes are designed and manufactured to deliver 'best in class' optical performance combined with rugged dependability and user comfort.

Available in 80mm SD, 80mm ED and 100mm ED variants, the instruments excel in the most important area for the majority of users: image quality. The reduction of almost all visible chromatic aberration at 60x magnification with the 80 SD sets the standard for both definition and tonal quality further improved upon with the 80 ED and 100 ED.

Main features include:

- Tri-element high definition objective lens system with Opticron F-type multi-coating for superior color contrast and clarity compared to 'standard' multi-coatings
- Magnesium, aluminum and polycarbonate body protected in textured rubber armor
- Nitrogen waterproofing to eliminate condensation



Weight is kept to a minimum and the 'scopes are balanced for effective use on a tripod. Other features include a retractable lens hood, integrated rubber objective lens cover, conveniently positioned wide band focus wheel plus a rotating tripod sleeve to enable maximum versatility in hides or viewing from a sitting or prone position. Fully compatible with SDL, HDF and HR eyepieces the models offer an exciting array of viewing options of 20x to 100x (80mm) and 30x to 134x (100mm). See page 50 for more details. ES v3 Fieldscopes are supplied with a Limited Lifetime Warranty.



Optional Telephoto conversion for SLR cameras (see page 52).



Optional Waterproof Case. Available in black or green.



ES 80 GA SD/45° shown with SDL v2 20-60x

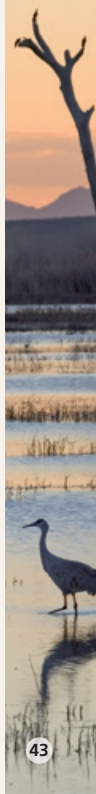


ES 80 GA ED/45° shown with SDL v2 20-60x



ES 100 GA ED/45° shown with SDL v2 27-80x

Specifications	80 SD/45	80 ED/45	100 ED/45
Code	40895	40890	40893
OG Dia (mm)	80	80	100
Close Focus (ft)	19.7	19.7	32.8
Length (in)	15.4	15.4	19.6
Weight (oz)	52.3	56.1	98.8



MM3 GA ED Travelscopes

The MM3 GA ED series is the latest evolution of the popular travelscope concept pioneered by Opticron 20 years ago with the original Mighty Midget. Combining all the things that have made Opticron travelscopes the #1 choice for so many wildlife observers over the years, the MM3 50 & 60 GA ED have been designed and engineered to deliver the company's maxim of "smaller, lighter, brighter, sharper" to a new generation of spottingscope users.

Constructed from polycarbonate and lightweight alloys, the super-compact optical system creates a body only 8" long (50mm) and 10" long (60mm). At 21oz⁽¹⁾ (50mm) / 26oz⁽¹⁾ (60mm) an MM3 GA ED weighs around the same as pair of 42mm binoculars and can be used without a support for crystal clear flat field observation at magnifications below 20x. Unlike binoculars, an MM3 GA ED continues to deliver stunning clarity and definition up to 36x (50mm) and 45x (60mm). Compatibility with the full range of HDF and SDL eyepieces means existing fieldscope owners can use their eyepieces with a new MM3 GA ED body.

Fully rain and dust proof and protected against knocks and bumps with full-body rubber covering, the MM3 GA ED is available in straight-through and 45° angled bodies to suit different applications.

⁽¹⁾ without eyepiece



Features and specifications at a glance:

- Super-compact ED "extra low dispersion glass" objective
- High contrast FMC optical system
- Accurate 8:1 dual focusing system
- Close focus to 8.2ft (50mm), 11.5ft (60mm)
- Fully armored body
- Tripod adapter with +/- 90 degree rotation
- Removable rubber objective lens cover
- Telephotoadapter option
- Limited Lifetime Warranty



Optional Telephoto conversion for SLR cameras (see page 52).



Optional Waterproof Case. Available in black or green.



MM3 50 GA ED shown with HDF T 12-36x



MM3 50 GA ED/45° shown with HDF T 12-36x



MM3 60 GA ED shown with HDF T 15-45x



MM3 60 GA ED/45° shown with HDF T 15-45x

Specifications	50 ED	50 ED/45	60 ED	60 ED/45
Code	41150	41151	41152	41153
OG Dia (mm)	50	50	60	60
Close Focus (ft)	8.2	8.2	11.5	11.5
Length (in)	8.3	8.1	9.9	9.7
Weight (oz)	21.0	21.3	25.4	25.7

IS WP Fieldsopes

IS WP fieldsopes deliver excellent value for money offering high levels of performance and versatility in a compact, lightweight body. Designed for the first-time user, frequent traveller and those on a budget they are available in standard or ED formats with the option of straight-through and 45° angled viewing.

IS 60 WP

An excellent all-rounder and the perfect choice for the first-time birdwatcher moving up from 'binocular-only' bird watching as well as the shooter or archer looking for accuracy at distances of 100-200yds.

IS 60 ED WP

Brighter, sharper images with the core features of the IS 60 WP this mini-60mm ED fieldscope is optically matched to the HR2 16-48x zoom eyepiece for premium performance in a very portable package.

IS WP Fieldsopes for Target Archery & Shooting

Sharper, brighter images in a smaller, lighter body compared to a traditional 22x60 spotting scope, the IS 60 WP is the perfect choice for accurate target observation up to 100yds.



Features of the IS 60 WP Fieldsopes include:

- Nitrogen waterproof construction
- 4 element fully multi-coated optical system
- Rotating tripod sleeve for bipods and photo/video tripods
- Retractable lens hood to protect against glare
- Compatible with SDL, HDF & HR eyepieces⁽¹⁾
- Accessories for SLR telephotography
- Limited Lifetime Warranty

⁽¹⁾ adapters may be required



Optional Telephoto conversion for SLR cameras (see page 52).

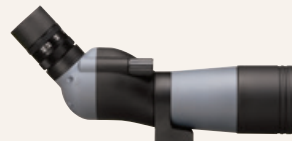


Optional Waterproof Case. Available in black.

Specifications	60	60/45	60 ED	60 ED/45
Code	40982	40983	40986	40987
OG Dia (mm)	60	60	60	60
Close Focus (ft)	23	26	23	23
Length (in)	9.8	10.4	9.8	10.4
Weight (oz)	24.3	24.9	26.4	27.8



IS 60 WP shown with HR2 16-48x



IS 60/45° WP shown with HR2 16-48x



IS 60 ED WP shown with HR2 16-48x



IS 60 ED/45° WP shown with HR2 16-48x



IS 70 R Fieldscopes

The IS 70 R offers a great mix of style, performance and adaptability and is an ideal choice for anyone wanting a high specification entry level spotting scope for target shooting, birdwatching or plane spotting. Featuring a 400mm, 4-element objective lens with a surface area 35% greater than the IS 60 WP, images are brighter with a higher top-end magnification.

IS 70 R fieldscopes benefit from a re-engineered optical system to improve light transmission and resolution and deliver bright, crisp images with good color contrast.

In line with our commitment to offer the best choice of eyepieces to suit your budget and application, the 'scopes are fully compatible with IS, HR2, HDF and SDL eyepieces⁽¹⁾. For general use we recommend you choose an IS or 40933S HR2 18-54x eyepiece.

⁽¹⁾ adapters may be required



Features of IS 70 R Fieldsopes include;

- Lightweight ABS polycarbonate body
- 100% nitrogen waterproofing
- Protective full body rubber armor
- +/- 90° rotating tripod sleeve for maximum positional flexibility when attached to a tripod or bipod
- Retractable sunshade and rubber objective lens cover
- Limited Lifetime Warranty



Optional Telephoto for SLR cameras (see page 52)



Optional Waterproof Case. Available in black.

In addition to nature observation the IS 70 R is a great choice for:



Plane spotting



Target sports



IS 70 R shown with HR2 18-54x



IS 70 R/45° shown with HR2 18-54x

Specifications	70	70/45
Code	40996	40997
OG Dia (mm)	70	70
Close Focus (ft)	33	30
Length (in)	11.6	11.8
Weight (oz)	38.7	39.6

Eyepieces

A wide range of eyepieces are available for Opticron fieldscopes. Choosing the best one is often confusing but making the right choice will depend on price and application. It is important you remember the eyepiece is an integral part of the system and choosing a lower quality lens will affect overall image quality. Eyepieces are listed with their generic code.



Naked eye



20x



30x

SDL v2 Zoom Eyepiece

5-group, 8-element 'super' zoom, the SDLv2 offers superior cross-field definition with exceptional viewing comfort. Waterproof and fitted with a rotating eyecup. Supplied in soft padded case. Limited Lifetime Warranty.

HDF Eyepieces

High definition eyepieces with long eye relief. Fixed magnification models are wide angle. Twist type retractable eyecup to enable precise eye to eyepiece distance adjustment. Limited Lifetime Warranty.

HR Zoom Eyepiece

Designed for the value conscious user wanting long eye relief. Features twist type eyecup. Limited Lifetime Warranty.

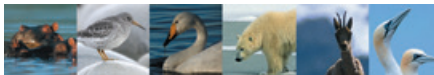
IS Zoom Eyepiece

Long eye relief eyepiece and a good choice as a first eyepiece for IS scopes. Limited Lifetime Warranty.

	SDL v2	HDF				HR2	IS
							
Product Code	40936	40810	40809	40858	40862	40933	40918S
Eye relief (mm)	20-18	22	18	17	22-17	18-14	34-18
Eyelens dia (mm)	26	25	23	23	24	18	20
Length (mm)	77	40	51	61	76	55	67
Weight (g)	270	151	173	212	206	149	147
Magnifications							
HR 66	18-54x	20xWW	28xWW	38xWW		20-60x	
HR 80	24-72x	27xWW	38xWW	52xWW		27-80x	
ES 80	20-60x	23xWW	32xWW	44xWW	20-60x	23-69x	
ES100	27-80x	30xWW	42xWW	58xWW	27-80x	30-90x	
MM3 50	12-36x	13xWW	18xWW	24xWW	12-36x	13-39x	
MM3 60	15-45x	17xWW	23xWW	32xWW	15-45x	16-48x	
IS 60	15-45x	17xWW	23xWW	32xWW	15-45x	16-48x	18-54x
IS 70	16-48x	18xWW	25xWW	35xWW	16-48x	18-54x	20-60x



Telephotography & Digi-scoping



Telephotography is easier than ever to enjoy using Opticron spottingscopes in combination with a wide range of imaging devices. If you are thinking about taking photos and video through your fieldscope we currently offer the following options;

- Telephotography with an SLR, D-SLR or compact system camera
- Digi-scoping with a suitable compact digital camera or camcorder
- Phonescoping with a suitable smartphone

Telephotography with SLR, D-SLR and Compact System Cameras

In these systems the fieldscope substitutes for the camera lens and is coupled to the camera body using either a telephotoadapter or an eyepiece & photoadapter combination. T-mounts, available for most makes of SLR and CSC's are needed to connect the assembly to the camera body.



Digi-scoping with Compact Digital Cameras, Camcorders

In these systems a suitable device is coupled to the fieldscope eyepiece using a photoadapter.

Opticron compact camera kits offer you a high quality, convenient and easy to use solution to the problem of choosing a suitable compact camera for high magnification digi-scoping.



Kits for Olympus VG-180

(Camera needs to be purchased separately)
Kits contain a bespoke camera mount for the Olympus VG-180 camera, cable release frame and cable release plus the choice of a Push-fit Photoadapter to match your HDF T or SDL eyepiece.

UDCA

The UDCA is a specially designed mount that fixes directly to your fieldscope eyepiece. The camera is fixed onto the UDCA and can



be adjusted in three planes to enable correct positioning with respect to the eyepiece.

Photoadapters for Smartphones

Opticron smartphone photoadapters are a convenient and inexpensive way of attaching your smartphone to your spotting scope eyepiece and take high magnification photos and video.

Our range of easy-to-use slide and push smartphone photoadapters are designed to work with a particular phone and individual eyepiece so the phone is secure and in the optimum position to start taking photos in just a few seconds.



For information on which phones and eyepieces are supported please visit www.opticronusa.com

Things to know

Spotting scopes are designed for use with viewing eyepieces ranging from 12x-60x magnification. Using a fieldscope fitted with a 20x eyepiece and a device with an optical zoom of 0.6x-5x, you can photograph or video at magnifications between 12x-100x.

These high magnifications are great for getting close up images or video at distance, but the amount of light entering the device combined with the narrow field of view and relatively shallow depth of focus will affect image quality as well as your ability to successfully frame a shot or sequence. In addition and depending on the device, it is sometimes difficult for the eyepiece to project a large enough diameter path of light into the image sensor. This condition, a circular image within the rectangular image frame is called vignetting and is reduced by increasing the zoom setting on the device.

Which Eyepieces?

Choose a wide angle or zoom eyepiece set at minimum magnification. The following eyepieces provide the best overall images with a wide range of different devices; 40810 HDF T, 40936 SDLv2 zoom and 40862 HDF T zoom

More Information

For detailed product information on all the options please visit the Telephotography pages at www.opticronusa.com

Tripods, Panheads, Bipod & Monopod

42116 XFS-C Traveller 4-section Tripod

- 8 layer carbon fiber with twist lock
- Leg angles; 25°, 55°, 80°
- Foam hand grips & rubber/spiked feet
- Level indicator
- 24mm dia, 13" removable center column with sprung stabilizing hook
- Max. height: 59"
- Max. height w/o raising c/c: 49.2"
- Min. height (25°): 17.9"
- Length (storage): 18.9"
- Weight: 2.3lbs
- Standard Warranty



42122 XFS-C Birdwatcher's 3-section Tripod

- 8 layer carbon fiber with twist lock
- Leg angles; 25°, 55°, 80°
- Foam hand grips & rubber/spiked feet
- Level indicator
- 24mm dia, 13" removable center column with sprung stabilizing hook
- Max height: 61.2"
- Max. height w/o raising c/c: 51.4"
- Min. height (25°): 22"
- Length (storage): 23.4"
- Weight: 2.6lbs
- Standard Warranty



35857 Manfrotto 700RC2 Panhead

- 2-way with 360° pan, +90°/-75° tilt
- Tension control
- Adjustable pan handle
- QR plate (1/4")
- 3/8" connection to c/column
- Height: 3.9"
- Weight: 18.3oz
- Manufacturers max. load rating: 5.5lbs
- Man. Warranty applies



20897 Velbon PH157QK Panhead

- 3-way one lever operated with 360° pan, +90°/-60° tilt
- 90° side tilt
- QR plate (1/4")
- 1/4" connection to c/column
- Height: 3.9"
- Weight: 20.4oz
- Manufacturers max. load rating: 7.7lbs
- Man. Warranty applies



20087 Velbon Sherpa 200R Tripod

- 3-section aluminum with clip lock
- 26mm dia, 400mm removable center column fitted with 20897 **Velbon PH157QK Panhead** (see opposite)
- Rubber feet
- Max. height: 65.9"
- Max. height w/o raising c/c: 52.8"
- Min height: 23.2"
- Length (storage): 24.4"
- Weight: 4.3lbs
- Manufacturers max. load rating: 7.7lbs
- Man. Warranty applies



43106 6-Section Compact Monopod

- 6 section leg with clip-type lock system, hand grip & wrist strap.
- Height extended: 60.5"
 - Height retracted: 16"
 - 3/8" & 1/4" reversible p/head connection
 - Rubber/spiked foot
 - Weight: 22.9oz
 - Standard Warranty



Spottingscope Bipod

Fold up aluminum bipod finished in matt black. Connects to spotting scope or independent tripod sleeve with 1/4" threaded bolt. Supplied complete with 10.6" extension pole for use on a bench or table creating a usable height range from 10.4" to 28.7". Additional poles available. Weight c/w extension pole: 3.3lbs. Standard Warranty. Models available; **40314 Bipod**, **40315 Bipod with Ball & Socket Panhead**.



40316 Ball & Socket Panhead

- For use with 40314 bipod and spotting scopes without rotating tripod sleeves.
- Height: 2.8"
 - Weight: 3.8oz
 - Standard Warranty



Mounts & Tripod Accessories

42605 BC-2 Hide Clamp

Designed for use with fieldscopes, photo & video equipment.

Features include:

- 42800 3-way magnesium panhead with 360° panning and +90° to -60° tilt plus 90° side tilt for use with telescopes not fitted with rotating tripod sleeves
- Integral QR plate with 1/4" thread and removable locating pin
- QR plate lock for extra rigidity
- 21mm dia. 19.7" center column
- Maximum jaw width: 1.8"
- Maximum height extended: 20"
- Minimum height retracted: 3.5"
- Weight: 33.8oz
- Standard Warranty



42610 BC-2 Clamp & 500mm Center Column

As 42605 but supplied without panhead. Connects via 1/4" thread to compatible panheads to convert to a hide clamp. Weight: 15.4oz



42611 BC-2 Clamp

Fits directly onto a tripod center column to create a hide clamp. Supplied complete with $\varnothing 21/22\text{mm}$, $\varnothing 23/24\text{mm}$ and $\varnothing 25/26\text{mm}$ sleeves. Weight: 9.4oz



40502 Car Window Mount

- 2-way one lever operated panhead with integral 1/4" thread
- Maximum panning height 3.1"
- Protective rubber jaw pads
- Optional QR plate & shoe
- Dimensions: 8.1x2.4x3.3"
- Weight: 19.6oz
- Standard Warranty



42606 Quick release plate & shoe

Screws directly onto panhead. 1/4" thread. Weight: 6.2oz.



42608 Quick release plate only
Weight: 2.8oz

40501 Universal Mount

Designed to clamp horizontally or vertically onto a wide range of objects.

- 2-way one lever operated panhead with integral 1/4" thread
- Max. panning height: 3.1"
- Max. jaw width: 1.8"
- Optional QR plate & shoe
- Dimensions: 8.3x2.4x2.8"
- Weight: 21oz
- Standard Warranty



40503 Universal II Hide Mount

Lightweight bench clamp with 15.7" extension pole.

- 2-way one lever operated panhead with integral 1/4" thread
- Max. panning height: 17.7"
- Max. jaw width: 1.8"
- Optional QR plate & shoe
- Dimensions: 17.7x2.4x3.7"
- Weight: 29.8oz
- Standard Warranty



40506 Tripod Strap

55mm neoprene with loop fasteners and 25mm webbing.



40507 Tripod Harness

A simple and effective carrying solution manufactured from lightweight nylon webbing, the Tripod Harness fixes around 3 points (canopy and two legs) to enable a tripod to be carried like a rucksack. Full adjustable, the Harness can also be used as a standard carry strap.



Binocular & Monocular Accessories

Rainguards



Binoculars Plastic

31025 Int $\varnothing$ to 37mm
31020 Int $\varnothing$ to 43mm
31028 Int $\varnothing$ to 45.5mm



Binoculars Plastic

31011 Int $\varnothing$ to 44mm



Compact Binoculars Plastic

31021 Int $\varnothing$ to 34mm

Objective Lens Covers

Flexible rubber caps with integrated loops that fit over objective lens barrels.

We stock a wide range of replacement OG covers for compact and full size binoculars.

Please contact us for price and availability.



Cleaning Cloth



30277 20cm² Micro fiber suitable for cleaning external lenses. Supplied in protective pouch.

Tripod Mounts



L Mounts Alloy

Models from left to right

31026 Compacts to 30mm OG
31004 Small Porro 32~50mm OG
31022 Roof Prism 32~50mm OG
31005 Large Porro +50mm OG



42051 Plate Mount

Specially shaped alloy plate designed to support binoculars up to 50mm OG. Features non-slip pads and an adjustable nylon and elastic strap set with Velcro closure.



Neck Straps



Fully adjustable with loop fasteners.

Models from top down:

31000 16mm nylon (compacts)

29009 14mm neoprene (monoculars)

29010 16mm neoprene (compacts)

31001 30mm nylon (binoculars)

29023 30mm neoprene with quick release
(binoculars)

29025 40mm neoprene bungee with quick release
(binoculars)

29022 Spare QR Connector Set for 29023/25/26

29026 50mm flotation with quick release
(binoculars)

Harnesses



31048 25mm Elastic Bungee c/w quick release

31049 Spare QR Connector Set for 31048

31018 25mm Nylon c/w quick release

31038 Spare QR Connector Set for 31018

Cases

We offer a wide range of leather and synthetic cases in a range of sizes for porro and roof prism models.

Please contact us for sizes and specifications available.





opticron

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Background photographs supplied by Craig Aitchison, Niklas Aronsson, Dale Cherry, David Featherbe, Tomi Muukkonen, Rebecca Nason, Mike Read, Juan Martin Simon and Tore Wuttudal

All equipment and specifications listed are subject to change without prior notification.

IS 60 R Fieldscopes

IS 60 R fieldscopes deliver excellent value for money offering high levels of performance and versatility in a compact, lightweight body. Designed for the first-time user, frequent traveller and those on a budget they are available in standard or ED formats with the option of straight-through and 45° angled viewing.



IS 60 R/45° shown with HR2 16-48x

Features of the IS 60 R Fieldscopes include:

- Nitrogen waterproof construction
- 4 element fully multi-coated optical system
- Rotating tripod sleeve for bipods and photo/video tripods
- Retractable lens hood to protect against glare
- Compatible with SDL, HDF & HR2 eyepieces⁽¹⁾
- Accessories for SLR telephotography
- Limited Lifetime Warranty

⁽¹⁾ adapters may be required



IS 60 R shown with HR2 16-48x

Specifications	60	60/45	60 ED	60 ED/45
Code	41180	41181	41182	41183
OG Dia (mm)	60	60	60	60
Close Focus (ft)	23	23	23	23
Length (in)	10	10.6	10	10.6
Weight (oz)	30.1	30.5	32.2	33.4

Traveller® BGA Mg Black

Roof Prism

The Traveller BGA Mg Black exemplifies our commitment to develop equipment with the aim of delivering the highest quality and value for money in every category in which we compete.

Designed and manufactured in Japan, the Traveller BGA Mg Black features BAK 4 prism units, PC phase correction and Oasis prism coating that deliver clean, crisp images with minimal edge distortion.



6x32, 8x32, 10x32

Other features include:

- Nitrogen gas waterproof to 10ft
- Non-slip rubber covering for comfort
- Fully multi-coated optical system
- Long eye relief eyepieces for full field with or without glasses
- Push/pull retractable eyecups
- Wide wheel focusing with close focus to under 6ft
- Limited Lifetime Warranty

Models supplied in soft case with 31025 rainguard, padded neck strap and rubber objective lens covers.

Specifications	6x32	8x32	10x32
Code	30597	30598	3099
Field (ft/1000yd)	423	333	270
Close Focus (ft)	4.9	4.9	4.9
Eye relief (mm)	19	19	16
IPD (mm)	57~71.5	57~71.5	57~71.5
HxW (in)	3.9x4.6	3.9x4.6	3.9x4.6
Weight (oz)	12.9	13.4	13.1

T3 Trailfinder® 8x56

Roof Prism

The T3 Trailfinder 8x56 combines a compact optical system with fast focus to create a well balanced, easy-to-use low-light field binocular suited to all types of wildlife observation as well specialist pursuits such as hunting at dusk and dawn.

Available in a choice of black or dark green rubber armor, features include:

- Fully multi-coated optical system including BAK 4 prisms and PC phase correction coatings
- Nitrogen waterproof construction
- Compact, long eyerelief optical system with 7mm EPD for superior low-light performance
- Internal focusing with close focus to 13ft
- Multi-stage twist type retractable eyecups
- Limited Lifetime Warranty

Models supplied in soft case with rainguard, padded neck strap and rubber objective lens covers.

See page 19 of Product Guide 14-15 for T3 Trailfinder 42mm.



8x56 Green



8x56 Black

Specifications	8x56
Code Bl	30084
Code Gr	30085
Field (ft/1000yd)	315
Close Focus (ft)	13.1
Eye relief (mm)	23
IPD (mm)	60~77
HxW (in)	7.1x5.7
Weight (oz)	39.9

Savanna R

Roof Prism

The all-new Savanna R shares many of the features of it's sister porro prism packaged into a single axis roof prism body. Designed as a 32mm from the bottom up, the overriding feel is "slimline-compact" while the dual hinge assembly provides plenty of room for fingers of all sizes. Images are bright and clear and the optical system delivers a favorable field of view 7.0° 8x33, 6.1° 10x33 so locating and tracking objects is achieved with the minimum of fuss. Like their sister models, the Savanna R close in to just 52mm making them suitable for children as young as 7.



8x33, 10x33

Other features include;

- Compact roof prism optical design finished in textured rubber armor
- Nitrogen waterproof construction
- Fully multi-coated optical system
- Lightweight polycarbonate & alloy body
- Long eyerelief for spectacle wearers
- 3-stage twist type retractable eyecups
- Close focus to 11.5ft
- Limited Lifetime Warranty

Models supplied in soft neoprene case with rainguard, neoprene neck strap and rubber objective lens covers.

Specifications	8x33	10x33
Code	30638	30639
Field (ft/1000yd)	366	318
Close Focus (ft)	11.5	11.5
Eye relief (mm)	20	17
IPD (mm)	52~76	52~76
HxW (in)	5.1x4.7	5.1x4.7
Weight (oz)	15.1	14.6

