

opticon



Binoculars • Monoculars • Fieldsopes • Accessories

Product Guide 17.2



Smaller, lighter, brighter, sharper

Welcome

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

About Us

Founded in 1970 our continuing 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

These are factors critical to our success that have been developed in partnership 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 favourite pair of binoculars. You can talk directly to the person carrying out the repair or through your dealer.

We hope you find our Product Guide interesting and informative. If you have any questions about the products and services we offer please email us at sales@opticron.co.uk.

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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 40m distant appears 5m 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 favoured 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 armouring and **W** or **WA** = wide angle. Centre focus **CF**, is more popular than individual eyepiece focusing **IF** especially when you need to focus at different distances under 50m. Most IF binoculars are 7x magnification and have a large depth of focus which usually eliminates the need for focusing adjustment at distances over 50m.

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

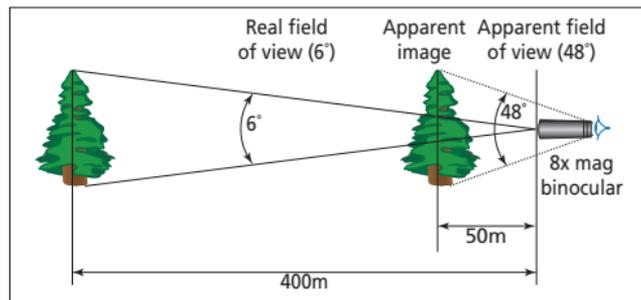
What objective lens size? The amount of light entering a binocular is related to the surface area of the objective lens 'OG'. A 50mm OG will admit 2.5x the light of a 30mm OG. The amount of light reaching the eye is called the exit pupil diameter 'EPD' and its size can be

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 metres from a distance of 1000m or in degrees where 1° is approximately 17.45m.

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® VHD

Roof Prism

“Smaller, Lighter, Brighter, Sharper”, the DBA VHD has taken the company design maxim to a new level.

Improving on the qualities of the outgoing model, the latest VHD version of the DBA is appreciably brighter with better resolution in a similarly compact package.

Designed around and built for the professional or enthusiast looking for 8/10x42 quality but preferring the size, weight and feel of a smaller binocular, the DBA VHD offers an unrivalled combination of performance, comfort and ergonomics for under £600.

Product features include:

- Compact, lightweight roof prism design
- Dual hinge, single axis body
- Textured rubber armouring
- Nitrogen gas filled waterproof (5m depth)
- VHD optical system incorporating a high quality ED glass objective system, phase corrected prisms with Oasis prism coating and S-type multi-coating to all air/glass surfaces



8x42, 10x42

- Flat field vision
- Long eye relief for spectacle wearers
- Multi-stage twist type retractable eyecups
- 500° turn smooth action wide wheel focusing
- Close focus to 2.5m
- Central dioptrre adjuster
- Tripod adapter socket
- Made in Japan, 30 year guarantee

DBA VHD binoculars are supplied in a soft Cordura case with rainguard, neoprene bungee strap and rubber objective lens covers.



8x42, 10x42



500° rotation wide wheel focusing infinity to 2.5m



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Specifications	8x42	10x42
Product Code	30644	30645
Field (m/1000m)	122	105
Close Focus (m)	2.5	2.5
Eye Relief (mm)	22	17
IPD (mm)	56~74	56~74
HxW (mm)	145x126	145x126
Weight (g)	696	714

Imagic® BGA VHD

Roof Prism

The Imagic BGA VHD remains true to the original Imagic concept offering the discerning buyer a stylish lightweight ergonomic binocular with outstanding performance for its price.

The VHD are the seventh in the series and set another new benchmark for light transmission and colour correction. These characteristics mean they are particularly suited for use in woodland, under cover or in low light extremes at dawn or dusk. To compliment this, focusing is geared to one half turn from 5m to infinity distance for quick accurate focus.

Manufactured in Japan to the highest standards and finished in a textured natural armour for comfort and grip, the Imagic BGA VHD offers the serious enthusiast a genuine alternative to premium brands at a fraction of the price.



8x42, 10x42

Features include:

- Compact, lightweight roof prism design with textured rubber armouring
- Fully multi-coated VHD optical system with high quality phase corrected PGK prism units and Oasis prism coating
- Wide field, long eye relief eyepieces
- Nitrogen gas filled waterproof (3m depth)
- 3-stage twist type retractable eyecups
- Close focus to 2m (42mm), 3.5m (50mm)
- Tripod adapter socket
- 30 year guarantee

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



8.5x50, 10x50

Specifications	8x42	10x42	8.5x50	10x50
Product Code	30679	30680	30681	30682
Field (m/1000m)	126	113	105	101
Close Focus (m)	2	2	3.5	3.5
Eye Relief (mm)	22	21	23	23
IPD (mm)	58~74	58~74	58~74	58~74
HxW (mm)	152x124	152x124	177x132	177x132
Weight (g)	686	705	795	795



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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:

- Made in Japan HD optical system with 'PC' phase corrected prism units and Oasis prism coating
- Nitrogen waterproof construction (3m depth)
- Textured natural rubber armouring for exceptional comfort & grip
- Wide wheel glide-action focusing with right side dioptre adjustment
- 3-stage retractable eyecups: 10x42, 10x50, 12x50, 4-stage: 8x42
- Tripod adapter socket
- 30 year guarantee

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



8x42, 10x42



10x50, 12x50

Specifications	8x42	10x42	10x50	12x50
Product Code	30605	30606	30607	30608
Field (m/1000m)	122	105	88	73
Close Focus (m)	2.3	2.3	4	3
Eye Relief (mm)	22	17	19	18
IPD (mm)	56~74	56~74	56~74	56~74
HxW (mm)	138x126	138x126	167x131	167x131
Weight (g)	682	701	797	800



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Traveller® BGA ED

Roof Prism

“Smaller, lighter, brighter, sharper” the Traveller BGA ED breaks new ground for 32mm field binoculars aimed at the enthusiast and serious user. Measuring 119x115mm and weighing just 450g, the all-new optical system delivers wide field 8.2° (8x32) and 6.5° (10x32) with unparalleled cross-field resolution, light transmission and colour correction.

Features include:

- Lightweight polycarbonate body protected in natural rubber armour
- Nitrogen waterproof construction (3m depth)
- ED, fully multi-coated optical system with BAK 4 phase corrected prism units and Oasis prism coating
- Wide field long eye relief eyepieces giving full field with spectacles
- 4-stage twist-type retractable eyecups
- Close focus to under 1.8m
- Tripod adapter socket
- 30 year guarantee

Manufactured to the highest standards, the Traveller BGA ED offers the outdoor sports and wildlife enthusiast a new and exciting alternative to premium brands at a fraction of the price.

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



8x32, 10x32



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Specifications	8x32	10x32
Product Code	30648	30649
Field (m/1000m)	143	113
Close Focus (m)	1.8	1.8
Eye Relief (mm)	19	17
IPD (mm)	51~73	51~73
HxW (mm)	119x115	119x115
Weight (g)	451	453



Natura BGA® ED

Roof Prism

Featuring wide field optics for easier location and tracking, ED glass objectives for brighter, sharper images and a micro hinge body for even better grip, the Natura BGA ED delivers benchmark quality, optical performance and ergonomics.

Aimed at the enthusiast wanting a lightweight, robust and reliable field glass with ED glass objectives, the Natura BGA ED is supplied with a comprehensive 30 year guarantee.

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 colour correction
- Long eye relief for full field of view with glasses
- Nitrogen purged waterproofing to a depth of 1m
- Durable textured natural rubber armouring
- Wide wheel glide-action focusing with locking central dioptre adjuster
- 3-stage retractable eyecups
- Tripod adapter socket

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



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8x42, 10x42



8x32

Specifications	8x32	8x42	10x42
Product Code	30654	30655	30656
Field (m/1000m)	131	122	105
Close Focus (m)	2.2	2.5	2.5
Eye Relief (mm)	18	23	20
IPD (mm)	56~74	56~74	56~74
HxW (mm)	124x129	142x129	142x129
Weight (g)	555	648	670

Traveller® BGA Mg Black

Roof Prism

The Traveller BGA Mg Black is an excellent example of our commitment to deliver the highest quality and value for money in every product category we compete in.

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.

Other features include:

- Nitrogen gas waterproof to 3m
- 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 1.5m
- 30 year guarantee

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



6x32, 8x32, 10x32



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Specifications	6x32	8x32	10x32
Product Code	30597	30598	30599
Field (m/1000m)	141	111	90
Close Focus (m)	1.5	1.5	1.5
Eye Relief (mm)	19	19	16
IPD (mm)	57~71.5	57~71.5	57~71.5
HxW (mm)	98x118	98x118	98x118
Weight (g)	365	380	370



HR WP

Porro Prism

In a segment dominated by the roof prism binocular, the Japan-made 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 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 minimise light loss within the system.

Hermetically sealed, each instrument is fully nitrogen waterproof to a depth of 3m and comes with the assurance of our 30 year guarantee.

Models supplied in a soft case with rainguard, neoprene strap and objective lens caps.



8x42, 10x42



For Product Detail and
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Specifications	8x42	10x42
Product Code	30090	30091
Field (m/1000m)	112	89
Close Focus (m)	3	3
Eye Relief (mm)	20	17
IPD (mm)	56~73	56~73
HxW (mm)	126x183	126x183
Weight (g)	715	725

Explorer® WA ED

Roof Prism

The newly updated Explorer WA ED offers an unbeatable combination of specification, quality and ergonomics and is an ideal choice for anyone wanting a wide-angle 8x42 or 10x42 ED binocular.

Featuring the company's trademark compact optical system, the models combine wide-field vision with crisp, clear and colour neutral images.

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

Other features include:

- Nitrogen waterproof construction
- BAK 4, fully multi-coated optical system with ED glass objective lenses
- PC phase corrected prisms & Oasis-C high light transmission coating
- 3-stage retractable eyecups
- Close focus to 2m (8x42), 2.5m (10x42)

Explorer WA ED binoculars come with a comprehensive 10 year guarantee.

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



8x42, 10x42



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Specifications	8x42	10x42
Product Code	30640	30641
Field (m/1000m)	131	113
Close Focus (m)	2	2.5
Eye Relief (mm)	17	15
IPD (mm)	55~73	55~73
HxW (mm)	140x126	140x126
Weight (g)	670	650

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 2m and IPDs as low as 52mm, they offer you a well made, stylish and user friendly field glass.

Features include:

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

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



8x42, 10x42



8x32



8x50, 10x50

Specifications	8x32	8x42	10x42	8x50	10x50
Product Code	30452	30458	30459	30457	30467
Field (m/1000m)	131	131	105	122	115
Close Focus (m)	1.2	1.5	1.5	1.5	1.5
Eye Relief (mm)	17	22	17	21	22
IPD (mm)	52~75	53~75	53~75	57~75	57~75
HxW (mm)	108x117	133x126	133x126	145x133	145x133
Weight (g)	391	703	696	797	813



For Product Detail and What's in the Box? videos visit www.opticron.co.uk

Imagic® TGA WP

Porro Prism

Incorporating a differential multi-coating system with high refractive index coatings on the eye lenses and objectives, Imagic TGA WP binoculars deliver superb clarity and contrast and will match or outperform an equivalent spec. roof prism binocular costing £200 or more.

Other features include BAK-4 prisms, nitrogen waterproof construction, rotating retractable eyecups with extension lock, click stop right dioptre adjustment, integral tripod adapter socket. 30 year guarantee.

Models supplied in a soft case with rainguard, wide strap and objective lens caps.



7x42, 8x42, 10x42

8x32

7x50, 10x50, 12x50

Specifications	8x32	7x42	8x42	10x42	7x50	10x50	12x50
Product Code	30550	30551	30552	30553	30554	30555	30556
Field (m/1000m)	122	126	114	97	105	93	79
Close Focus (m)	2.5	4	2.9	2.9	4.9	4.5	7
Eye Relief (mm)	21	22	21	21	21.5	19.5	18
IPD (mm)	57~73	57~73	57~73	57~73	57~73	57~73	57~73
HxW (mm)	114x165	142x180	142x180	142x180	173x191	173x191	173x191
Weight (g)	614	682	682	687	805	834	860



T3 Trailfinder®

Roof Prism

The T3 Trailfinder's clever combination of wide-angle optics⁽¹⁾ and fast focus system create a comfortable, easy-to-use range of field binoculars suited to all types of wildlife observation as well as more specialist pursuits such as hunting and field archery.

Available in three specifications; 8x42, 10x42 and 8x56 in a choice of black or dark green rubber armour, features include:

- Fully multi-coated optical system including BAK-4 prisms and PC phase correction coatings
- Nitrogen waterproof construction
- Compact, long eye relief, wide-angle optical system (8/10x42)
- Compact, long eye relief optical system with 7mm EPD for superior low-light performance (8x56)
- Internal focusing with close focus to 1.5m (8/10x42), 4m (8x56)
- Multi-stage twist type retractable eyecups
- 5 year guarantee

⁽¹⁾ 42mm models

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



8x56 Green



8x42, 10x42 Black



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Specifications	8x42	10x42	8x56
Product Code Bl	30080	30081	30084
Product Code Gr	30082	30083	30085
Field (m/1000m)	125	113	105
Close Focus (m)	1.5	1.5	4
Eye Relief (mm)	21	16	23
IPD (mm)	58~77	58~77	60~77
HxW (mm)	140x128	140x128	180x146
Weight (g)	742	731	1130

Savanna R

Roof Prism

Designed as a 32mm from the bottom up, the Savanna R shares many of the features of its sister porro prism packaged into a single axis roof prism body. 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 favourable 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 age 7 and over.

Other features include;

- Compact roof prism optical design finished in textured rubber armour
- Nitrogen waterproof construction
- Fully multi-coated optical system
- Lightweight polycarbonate & alloy body
- Long eye relief for spectacle wearers
- 3-stage twist type retractable eyecups
- Close focus to 3.5m
- 10 year guarantee

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



8x33, 10x33



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Specifications	8x33	10x33
Code	30638	30639
Field (m/1000m)	122	106
Close Focus (m)	3.5	3.5
Eye Relief (mm)	20	17
IPD (mm)	52~76	52~76
HxW (mm)	129x120	129x120
Weight (g)	428	415



Oregon 4 LE WP

Roof Prism

The Oregon 4 LE WP nitrogen waterproof series offer the first-time and 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 nature observation.

Features include:

- BAK-4 glass, fully multi-coated optical system
- Long eye relief and twist type retractable eyecups
- Sophisticated twin relief rubber armoured finish
- Wide wheel focusing with close focus to 1.8m (8x32), under 3m (8/10x42 and 10x50)
- Wide-angle 8x32 with 8.1° field of view
- 5 year guarantee

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

Specifications	8x32	8x42	10x42	10x50
Product Code	30525	30526	30527	30528
Field (m/1000m)	141	114	101	80
Close Focus (m)	1.8	2.9	2.9	2.5
Eye Relief (mm)	15	22	19	22
IPD (mm)	58~74	57~74	57~74	61~74
HxW (mm)	109x116	150x125	150x125	170x130
Weight (g)	497	677	681	845



A Wildlife Trusts branded version of the Oregon 4 LE WP is available from The Wildlife Trusts. See web for details.

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 armour, 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 under 500g and standing just 115mm high, the binocular fits easily into a backpack or sling bag or can be stored in its lightweight neoprene case.

Like their sister 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 10 year guarantee against manufacturing defects.

Models supplied in a neoprene case with rainguard, neoprene strap and objective lens caps.



6x30, 8x30



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Specifications	6x30	8x30
Product Code	30045	30046
Field (m/1000m)	140	131
Close Focus (m)	3	3
Eye Relief (mm)	21	18
IPD (mm)	50~70	50~70
HxW (mm)	116x160	116x160
Weight (g)	485	491

Adventurer WP

Roof Prism

The Adventurer WP series offers the budget conscious or first-time user of field binoculars great quality and value for money. Suitable for most types of general observation, the models offer bright, clear images with full field of view for spectacle wearers.

Nitrogen waterproof and finished in quality textured rubber armour, the binoculars are well balanced in the hand and incorporate fully multi-coated lenses and BAK-4 Roof prisms that improve image colour and contrast by enhancing light transmission.

Available in 8x32, 8x42, 10x42 and 10x50 they are a great choice for anyone wanting a sturdy and reliable binocular with long eye relief, sound handling and a high standard of fit and finish. 2 year guarantee.

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



8x42, 10x42



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8x32



10x50

Specifications	8x32	8x42	10x42	10x50
Product Code	30068	30040	30041	30066
Field (m/1000m)	108	119	98	96
Close Focus (m)	5	5	5	3
Eye Relief (mm)	20	20	15	17
IPD (mm)	56~73	56~73	56~73	57~73
HxW (mm)	135x120	148x125	148x125	162x133
Weight (g)	507	627	623	760

Adventurer T WP

Porro Prism

The Adventurer T WP takes a fresh look at the traditional porro prism binocular. Waterproof and finished in a stylish leatherette-look rubber armour, it offers a serious alternative to roof prism binoculars in its price range.

Features include:

- BAK-4 glass prisms with fully multi-coated lenses on all air glass surfaces
- Wide field (8x32, 10x42, 12x50)
- Long eye relief (6.5x32, 8x42, 10x50)
- Centre wheel focusing
- Fold down rubber eyecups
- Close focus to 3m (32mm), 5m (42mm), 7m (50mm)
- 2 year guarantee

Adventurer T WP binoculars are supplied in a soft case with wide nylon strap and rubber objective lens covers.



8x42, 10x42



6.5x32, 8x32



10x50, 12x50

Specifications	6.5x32	8x32	8x42	10x42	10x50	12x50
Product Code	30685	30686	30687	30688	30689	30690
Field (m/1000m)	161	142	131	114	105	95
Close Focus (m)	3	3	5	5	7	7
Eye Relief (mm)	18	15	18	15	18	15
IPD (mm)	53~74	53~74	53~74	53~74	53~74	53~74
HxW (mm)	109x169	109x169	137x183	137x183	169x190	169x190
Weight (g)	549	545	625	629	759	765



Adventurer

Porro Prism

Adventurer porro prism binoculars offer the budget conscious or first-time user excellent value for money. Suitable for general daytime observation as well as stargazing, the Adventurer's porro prism design delivers a superior 3D viewing experience compared to roof prism binoculars while the 8x40 and 10x50 specifications guarantee clean clear images and full field of view for spectacle wearers.

Featuring wide wheel focus with close focus to under 4m (8x40), Adventurer porro prism binoculars are well balanced in the hand and incorporate multi-coated lenses and BK7 prisms.

Finished in black rubber armour they are a great choice for anyone wanting a sturdy, reliable binocular with long eye relief. 2 year guarantee.

Models supplied in a soft case with rainguard, strap and objective lens caps.



8x40



10x50

Specifications	8x40	10x50
Product Code	30159	30160
Field (m/1000m)	143	115
Close Focus (m)	3.5	5
Eye Relief (mm)	19	19
IPD (mm)	57~72	57~72
HxW (mm)	137x185	180x194
Weight (g)	706	846

Oregon Observation

Porro Prism

Oregon Observation binoculars are excellent value for money for the first time or occasional user looking for a pair of large objective lens binoculars suitable for daytime terrestrial observation and stargazing.

The 70mm objectives and BK-7 prism multi-coated optical system combine to deliver bright crisp images with good colour contrast, while long eye relief eyepieces enable users to get the full field of view with or without glasses.

Using a slim-line ZCF body style protected in natural rubber armour, both models are surprisingly easy to hand hold but can be attached quickly and easily to a tripod for stable viewing using the 31005 Binocular Tripod Mount (available separately). 5 year guarantee.

Oregon Observation binoculars are supplied in a soft case with rainguard, strap and objective lens caps.



11x70, 15x70



Specifications	11x70	15x70
Product Code	30156	30157
Field (m/1000m)	80	80
Eye Relief (mm)	25	18
IPD (mm)	57~73	57~73
HxW (mm)	276x215	276x215
Weight (g)	1387	1393



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 maximise 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 continuous 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 aluminium bodies and thick rubber armouring.

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. Compasses for other world regions can be fitted to order.



Pro Series II 7x50



Pro Series II 7x50/C





Marine-2 7x50/IC



Marine-3 7x50



Marine-3 7x50

Pro Series II binoculars are supplied in a semi-rigid multi-purpose case with neoprene strap, rainguard & integral objective lens caps. 30 year guarantee.

Marine-2 and Marine-3 binoculars are supplied in a soft case with wide strap, rainguard & integral objective lens caps. 10 year guarantee.

The Marine-3 monocular is supplied in a soft case with strap, integral objective lens cap and 10 year guarantee.

Specifications	PSII 7x50	PSII 7x50/C	M-2 7x50/IC	M-3 7x50	M-3M 7x50
Product Code	30128	30129	30334	30056	30054
Field (m/1000m)	126	126	123	126	126
Eye Relief (mm)	24	24	20	18	18
IPD (mm)	58~74	58~74	57~74	56~75	n/a
HxW (mm)	195x205	195x205	180x200	188x205	188x85
Weight (g)	1241	1265	1072	1095	540



Compact Binoculars

Advances in design and material technology mean today's Opticron compact pocket binoculars can offer a serious alternative to larger objective lens instruments when size and weight are an issue.

Available in either reverse porro prism (Z) or roof prism (D) body types, the size and weight advantages of pocket binoculars make them a popular choice for casual wildlife observation, taking to sporting events, travelling on holiday or on hand in the glove box of your car.



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).

One of the lightest binoculars in our range, the instruments are fully rubber covered and nitrogen gas filled waterproof ensuring 100% reliability in the field.

Other features include:

- Full field of view with or without spectacles
- Twist-type retractable eyecups
- Close focus to under 4.5m
- Made in Japan, 30 year guarantee

Models supplied in a soft leather case with strap and lens caps.



8x24



12x30

Specifications	8x24	10x28	12x30
Product Code	30015	30016	30017
Field (m/1000m)	110	86	76
Close Focus (m)	2.5	3.9	4.5
Eye Relief (mm)	15	15	15
IPD (mm)	36~71	36~71	36~71
HxW (mm)	95x103	106x105	123x106
Weight (g)	240	260	290



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 colour fidelity that can be enjoyed with or without spectacles.

Other features include:

- Twin hinge body folds down to 111x66x45mm
- Nitrogen waterproofing to protect against spray, damp or mist
- Full body rubber armouring and high contact focus wheel
- Integral strap
- Close focus to 2m
- 10 year guarantee

Models supplied in a neoprene case with lens caps.



Specifications	8x25	10x25
Product Code	30515	30516
Field (m/1000m)	91	87
Close Focus (m)	2	2
Eye Relief (mm)	16	16
IPD (mm)	32~74	32~74
HxW (mm)	111x104	111x104
Weight (g)	291	292

HR WP

Porro Prism

HR WP compact binoculars are designed and engineered to provide class leading 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 3m
- 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 armour
- Easy-grip focus wheel made from aluminium and house-style ribbed rubber
- 10 year guarantee

Models supplied in a neoprene case with strap and eyepiece lens caps.



8x26, 10x26

Specifications	8x26	10x26
Product Code	30094	30095
Field (m/1000m)	96	87
Close Focus (m)	3.5	3.5
Eye Relief (mm)	18	15
IPD (mm)	58~73	58~73
HxW (mm)	105x123	105x123
Weight (g)	396	399



Taiga

Porro Prism

The Taiga successfully combines a visually sophisticated outer design with excellent ergonomics and class leading optical performance. The benefits of the 25mm objective lens, long eye relief eyepieces and fully coated reverse porro prism configuration cannot be overstated and the Japanese designed Taiga delivers the best performance to price ratio in its class.

Features include:

- Single hinge body for easy one hand operation
- Full body rubber armouring and focus wheel
- Twist-type retractable eyecups
- Close focus to 3m
- 10 year guarantee

Models supplied in a neoprene case with strap and lens caps.



8x25, 10x25, 12x25



8x25, 10x25, 12x25

Specifications	8x25	10x25	12x25
Product Code	30382	30383	30384
Field (m/1000m)	105	91	79
Close Focus (m)	3	3	3
Eye Relief (mm)	16	16	16
IPD (mm)	56~72	56~72	56~72
HxW (mm)	112x100	112x100	112x100
Weight (g)	299	304	304

T3 Trailfinder®

Roof Prism

Entry level general-purpose compact binoculars, the T3 Trailfinder series offer excellent all-round performance and value for money for under £80.

Suitable for casual wildlife observation as well more specialised 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 armour.

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 1.8m or under
- 5 year guarantee

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



8x25, 10x25 Green



8x25, 10x25 Black

Specifications	8x25	10x25
Product Code Bl	30070	30071
Product Code Gr	30072	30073
Field (m/1000m)	119	96
Close Focus (m)	1.5	1.8
Eye Relief (mm)	16	15
IPD (mm)	59~73	59~73
HxW (mm)	99x108	99x108
Weight (g)	295	297

Oregon 4 LE WP

Roof Prism

Oregon 4 LE WP compact binoculars offer the occasional user a high standard of optical performance and functionality in an easy-to-use single hinge body. They are an excellent travel companion, suitable for casual wildlife and general observation.

Other features include:

- Compact single hinge roof prism design for one hand operation
- Fully armoured
- Nitrogen gas filled waterproof
- Multi-coated optical system
- 3-stage twist-type retractable eyecups
- Close focus to 2m
- 5 year guarantee

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



8x25, 10x25



8x25, 10x25

Specifications	8x25	10x25
Product Code	30530	30531
Field (m/1000m)	119	96
Close Focus (m)	2	2
Eye Relief (mm)	16	16
IPD (mm)	54~71	54~71
HxW (mm)	106x114	106x114
Weight (g)	290	300

Vega

Porro Prism

Recently updated with a new sculpted rubber cover, the Vega reverse porro prism series are an excellent choice for people searching for an affordable compact binocular.

Equally at home on the kitchen window or in the glove compartment of the car each Vega delivers a great combination of bright, clear images with good close focus. Other features include fully multi-coated lenses and twist-type large diameter rubber eyecups.

Available in 3 magnification variants including a high powered 12x for those seeking the highest practical magnification from a 25mm objective, models are supplied in a soft case with strap ad lens caps. 5 year guarantee.



8x25, 10x25, 12x25



8x25, 10x25, 12x25

Specifications	8x25	10x25	12x25
Product Code	30635	30636	30637
Field (m/1000m)	110	91	70
Close Focus (m)	2.2	2.2	2.7
Eye Relief (mm)	17	17	17
IPD (mm)	60~72	60~72	60~72
HxW (mm)	103x112	103x112	103x112
Weight (g)	335	337	337



Explorer®

Roof Prism

The Explorer 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 models deliver clean crisp images with good levels of brightness and comfort.

The roof prism body is fully armoured for comfort and grip and folds up to 92x65mm for easy transport and storage. The ribbed focus wheel makes for easy focusing - infinity to under 2m and the models are designed to give a good field of view with or without glasses.

Other features include:

- Compact roof prism optical design - Weatherproof*
- Multi-coated lenses with high reflection coated prisms
- Twist type retractable eyecup assembly
- 10 year guarantee

Models supplied in a soft case with wrist strap and lens caps.

*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



8x21, 10x21

Specifications	8x21	10x21
Product Code	30616	30617
Field (m/1000m)	108	87
Close Focus (m)	2	2
Eye Relief (mm)	14	14
IPD (mm)	36~71	36~71
HxW (mm)	92x103	92x103
Weight (g)	195	195

Adventurer

Roof Prism

Adventurer roof prism pocket binoculars offer the first-time and casual user of optics terrific quality and value for money. Suitable for garden birdwatching, taking on holiday or keeping in the glove box of the car, the models feature fully coated optics for brightness with good eye relief for spectacle wearers. Fully rubber armoured for comfort and grip.

Other features include:

- Twin hinge roof prism design
- Folds up to 112x70x54mm
- Twist-type rubber eyecups
- 2 year guarantee

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



8x21



10x25

Specifications	8x21	10x25
Product Code	30064	30065
Field (m/1000m)	122	88
Close Focus (m)	3	5.5
Eye Relief (mm)	10	10
IPD (mm)	36~75	36~75
HxW (mm)	96x70	112x70
Weight (g)	236	261



Monoculars

Opticron monoculars are designed for specialist applications such as entomology as well as being compact, quality field glasses for the space and weight conscious. They come in a variety of sizes and formats and include some useful accessories dedicated to the macro study of flora and fauna.



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 & colour contrast in all light conditions from early morning till dusk
- Close focus to under 3m
- Nitrogen gas filled waterproof to 5m
- Made in Japan

Fully armoured with a ribbed focus band, models are supplied in a soft Cordura case with neoprene monocular strap and rubber objective lens cover. 30 year guarantee.

30444 Tripod mount (Optional Accessory)

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.



8x42, 10x42



For Product Detail and
What's in the Box? videos
visit www.opticron.co.uk

Specifications	8x42	10x42
Product Code	30445	30446
Field (m/1000m)	122	105
Close Focus (m)	2.5	2.75
Eye Relief (mm)	21	19
HxW (mm)	143x52	143x52
Weight (g)	343	349



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 43x136mm.

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 2m, nitrogen waterproofing to a depth of 3m and a 30 year guarantee.

Models supplied in a soft case with strap and rubber objective lens cover.



8x42, 10x42

30443 Tripod mount (Optional Accessory)

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.



For Product Detail and
What's in the Box? videos
visit www.opticron.co.uk

Specifications	8x42	10x42
Product Code	30440	30441
Field (m/1000m)	110	89
Close Focus (m)	2	2
Eye Relief (mm)	19	16
HxW (mm)	136x43	136x43
Weight (g)	285	285

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.

Waterproof monoculars are supplied in a soft case with strap and integrated objective lens cap. 10 year guarantee.



5x30, 8x30

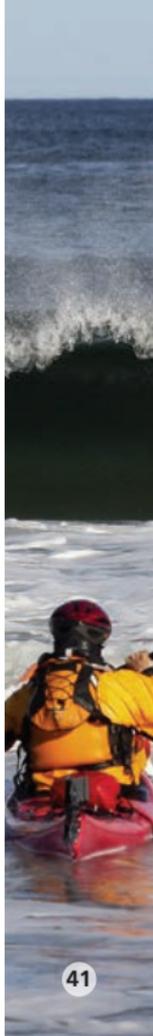


8x32

Specifications	5x30	8x30	8x32
Product Code	30344	30345	30348
Field (m/1000m)	122	131	131
Close Focus (m)	4	5	5
Eye Relief (mm)	25	11	16
HxW (mm)	139x49	139x49	131x49
Weight (g)	252	252	272



For Product Detail and
What's in the Box? videos
visit www.opticron.co.uk



Gallery Scope

Roof Prism

Named with the art critic in mind, Gallery Scopes are an excellent tool for the macro study of wildlife as well as easy to use field monoculars that fit unnoticed into a shirt pocket or backpack.

Boasting a high quality Japanese made roof prism optical system, the instruments deliver crisp clear images with a useful 12.5° (4x12) and 6.8° (8x20) field of view. Focusing at 15m 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 20cm (4x12) and 30cm (8x20) 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
- 30 year guarantee

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.



8x20



4x12

Specifications	4x12	8x20
Product Code	30172	30165
Field (m/1000m)	219	119
Close Focus (m)	0.2	0.3
Eye Relief (mm)	14	11
HxW (mm)	58x32	94x34
Weight (g)	49	105

T3 Trailfinder®

Roof Prism

Palm sized and protected in black rubber armour, the T3 Trailfinder offers genuine quality and value for anyone interested in owning and using a pocket monocular while out walking or hiking. Long eye relief and a wide field of view combine with slide bar focusing for easy one hand operation.

Other features include:

- Compact roof prism design with easy-slide focusing mechanism
- Nitrogen gas filled waterproof construction
- Fully coated optics
- Long eye relief eyepiece with twist-type retractable eyecup
- Close focus to 1.5m
- 5 year guarantee

Models supplied in a soft case with strap and rubber objective lens cover.



For Product Detail and
What's in the Box? videos
visit www.opticron.co.uk

Specifications	8x25	10x25
Product Code	30650	30651
Field (m/1000m)	119	96
Close Focus (m)	1.5	1.5
Eye Relief (mm)	17	17
HxW (mm)	100x35	100x35
Weight (g)	131	132

Choosing your Telescope

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 500m distant appears 25m away at 20x, 16.7m at 30x and 8m 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 colour 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 metres of the image when viewing at a distance of 1000m 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 50m.

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 specialised 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 compared to single element designs.

To optimise light transmission and colour 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 +/- 90° 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 armour.

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

Made in Japan, 30 year guarantee.



Optional Telephoto conversion for SLR cameras (see page 60).



Optional Waterproof Case. Available in green.

Specifications	66 ED	66 ED/45	80 ED	80 ED/45
Product Code	41002	41003	41006	41007
OG Dia (mm)	66	66	80	80
Close Focus (m)	5	5	8	8
Length (mm)	290	330	370	405
Weight (g)	1210	1278	1635	1703



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



ES v3 Fieldsopes

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

Available in 80mm ED and 100mm ED, the instruments excel in the most important area for the majority of users - image quality. The absence of almost all visible chromatic aberration at even the highest magnification settings combined with superior resolution and colour contrast sets them apart from similarly priced products from other brands.

Main features include:

- Tri-element high definition objective lens system with Opticron F-type multi-coating for superior colour contrast and clarity compared to 'standard' multi-coatings
- Magnesium, aluminium and polycarbonate body protected in textured rubber armour
- 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.

ES v3 fieldscopes are fully compatible with SDL, HDF and HR eyepieces. Made in Japan, 30 year guarantee.



Optional Telephoto conversion for SLR cameras (see page 60).



Optional Waterproof Case. Available in black or green.

In addition to nature observation the ES is recommended for:



Astronomy



Long range target sports



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



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

Specifications	80 ED/45	100 ED/45
Product Code	40890	40893
OG Dia (mm)	80	100
Close Focus (m)	6	10
Length (mm)	390	497
Weight (g)	1591	2800



MM4 GA ED Travelscopes

The new MM4 GA ED is the latest evolution of the popular Travelscope concept pioneered by Opticron over 20 years ago. Combining all the features that make our travelscopes the #1 choice for thousands of users the world over, the latest MM4 continues to deliver our maxim; "smaller, lighter, brighter, sharper" to anyone searching for a compact, versatile, high quality instrument for long range, accurate observation while on the move.

Designed & manufactured in Japan, the all-new compact HDF ED optical system creates a 50mm that measures 205mm and a 60mm 260mm⁽¹⁾. Constructed from lightweight materials, an MM4 weighs about 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, they deliver stunning clarity and definition up to 36x (50mm) and 45x (60mm) when fitted with the HDF T or SDLv2 zoom eyepieces. Compatible with HR, HDF and SDL eyepieces, existing fieldscope owners can use their eyepiece with an MM4 body.

Nitrogen waterproof and fully rubber armoured to protect against knocks and bumps, the MM4 has a tripod adapter with +/- 90 degree rotation to ensure set-up in a hide or from a sitting/prone position is quick and easy, while the 8:1 dual focusing system ensures the finest accuracy at all magnifications.



Features and specifications at a glance:

- Super compact ED "extra low dispersion glass" objective
- High contrast FMC optical system
- Close focus to 2.5m (50mm), 3.5m (60mm)
- Removable rubber objective lens cover
- Telephotoadapter option
- 30 year guarantee

⁽¹⁾ without eyepiece



Optional Telephoto conversion for SLR cameras (see page 60).



Optional Waterproof Case. Available in black or green.



MM4 50 GA ED shown with HDF T 12-36x



MM4 50 GA ED/45° shown with HDF T 12-36x



MM4 60 GA ED shown with HDF T 15-45x



MM4 60 GA ED/45° shown with HDF T 15-45x

Specifications	50 ED	50 ED/45	60 ED	60 ED/45
Product Code	41225	41226	41227	41228
OG Dia (mm)	50	50	60	60
Close Focus (m)	2.5	2.5	3.5	3.5
Length (mm)	205	205	260	260
Weight (g)	615	619	720	729

MM3 50 GA ED Travelscopes

The MM3 GA ED series has proved immensely popular with birdwatchers, wildlife enthusiasts and sports men and women since its introduction in 2014. Combining all the things that have made Opticon travelscopes the #1 choice for so many people over the years, the MM3 50 GA ED is designed and engineered for people who want a small fieldscope but do not want to compromise on quality.

Constructed from polycarbonate and lightweight alloys, the super-compact optical system creates a body only 205mm long. At 600g the MM3 50 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, it continues to deliver stunning clarity and definition up to 36x with the recommended HDF T zoom eyepiece.

Compatibility with the full range of HDF and SDL eyepieces means existing fieldscope owners can use their eyepieces with a new MM3 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.



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 2.5m
- Fully armoured body
- Tripod adapter with +/- 90 degree rotation
- Removable rubber objective lens cover
- Telephotoadapter option
- 30 year guarantee



Optional Telephoto conversion for SLR cameras (see page 60).



Optional Waterproof Case. Available in black or green.

Compact lightweight and versatile the MM3 is the perfect choice for



Travelling



Stalking or hunting



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



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

Specifications	50 ED	50 ED/45
Product Code	41150	41151
OG Dia (mm)	50	50
Close Focus (m)	2.5	2.5
Length (mm)	210	205
Weight (g)	595	605

MMS 160 Travelscope

The MMS 160 image stabilised Travelscope is the latest addition to the Opticron travelscope family and offers users a unique opportunity to enjoy variable magnification close up views of flora, wildlife and other objects at distance using a hand held device.

The image stabilisation system incorporated into the MMS cancels out image-shake or tremor caused by the body when viewing at magnifications of 10x and over. The results are a stable, clear and comfortable hand held viewing experience.

Supplied as body only the MMS is compatible with a wide range of Opticron eyepieces including the SDL v2 7-21x, HDF T 7-21x and HR3 8-24x.

Measuring 120x70x45mm and weighing 280g without eyepiece, the MMS fits neatly into a coat pocket, handbag or backpack.



MMS 160 shown with HDF T 7-21x



MMS 160, SDL v2 and Samsung Galaxy S3 Mini

Features include:

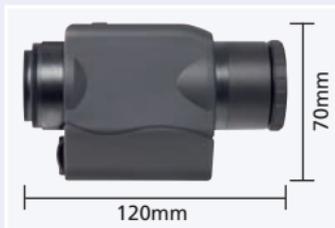
- 160mm lens
- Patented image stabilisation technology
- Fully multi-coated optical system
- Fully protected in soft touch textured rubber armour
- IPX5 weatherproof
- 2 year guarantee

Requires: 2x CR2 3V Lithium for up to 30 hours use.

MMS Travelscopes are supplied in body only format with integrated objective lens cover and adjustable hand strap.



MMS 160 shown with SDL v2 7-21x



Specifications	26
Product Code	41148
OG Dia (mm)	26
Close Focus (m)	3
Length (mm)	120
Weight (g)	280

IS R Spottingscopes

IS R spottingscopes 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 60 and 70mm formats with the option of straight-through and 45° angled viewing.

IS 60 R

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 pinpoint accuracy at distances of 100-200m.

IS 70 R

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



Features of IS R Spottingscopes 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
- 10 year guarantee

⁽¹⁾ adapters may be required



Optional Telephoto conversion for SLR cameras (see page 60).



Optional Waterproof Case. Available in black.

Specifications	60	60/45	70	70/45
Product Code	41180	41181	40996	40997
OG Dia (mm)	60	60	70	70
Close Focus (m)	7	7	10	9
Length (mm)	255	270	295	300
Weight (g)	852	864	1096	1123



IS 60 R shown with HR2 16-48x



IS 60 R/45° shown with HR2 16-48x



IS 70 R shown with HR2 18-54x



IS 70 R/45° shown with HR2 18-54x



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.

SDL v2 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. 10 year guarantee.

HDF Eyepieces

High definition eyepieces with long eye relief. Fixed magnification models⁽¹⁾ are wide angle. 10 year guarantee. ⁽¹⁾except 40861

HR Eyepieces

Designed for the value conscious user wanting long eye relief. 41145 HR3 zoom features twist type eyecup. 5 year guarantee.

IS Eyepieces

Long eye relief eyepieces and a good choice as a first eyepiece for IS scopes. 5 year guarantee.



	SDL v2	HDF	
Product Code	40936	40810	40831
Eye Relief (mm)	20-18	22	16
Eye Lens dia (mm)	26	25	22
Length (mm)	77	40	50
Weight (g)	270	151	150
Magnifications			
HR 66	18-54x	20xWW	28xWW
HR 80	24-72x	27xWW	38xWW
ES 80	20-60x	23xWW	32xWW
ES100	27-80x	30xWW	42xWW
MM3/4 50	12-36x	13xWW	18xWW
MM4 60	15-45x	17xWW	23xWW
IS 60	15-45x	17xWW	23xWW
IS 70	16-48x	18xWW	25xWW
MMS 160	7-21x	8x	11x

HDF		HR2		HR3	IS	
						
40861	40862	40930	40931	41145	409165	409185
16	22-17	18	17	20-16	17	34-18
17	24	21	21	24	21	20
66	76	38	39	78	48	67
84	206	83	92	222	102	147
88x		23xWA	30xWA	20-60x		
120x		31xWA	41xWA	27-80x		
100x	20-60x	27xWA	34xWA	23-69x		
134x	27-80x	36xWA	46xWA	30-90x		
57x	12-36x	15xWA	20xWA	13-39x		
72x	15-45x	20xWA	25xWA	16-48x		
72x	15-45x	20xWA	25xWA	16-48x	25xW	18-54x
80x	16-48x	21xWA	28xWA	18-54x	28xW	20-60x
33x	7-21x	9x	11x	8-24x		



Telephotography & Digiscoping



Telephotography is easier than ever to enjoy using Opticron fieldscopes 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, DSLR or compact system camera
- Digiscoping with a suitable compact digital camera or camcorder
- Phonescoping with a suitable smartphone

Telephotography with SLR, DSLR 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.

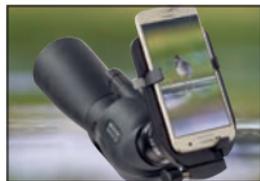


Digiscoping with Compact Digital Cameras, Camcorders

A popular option when suitable cameras were readily available to buy and build mounts for, compact cameras are more flexible alternative to DSLR's or CSC's in that the user can vary the magnification to better frame the shot. In these systems a suitable device is coupled to the fieldscope eyepiece using a photoadapter or hand held up against the viewing eyepiece. The best cameras have a zoom of 5x or less and a lens diameter of 20mm or under.

Universal Smartphone Mount USM-2

The USM-2 is a simple and flexible way to connect your smartphone to your Opticron SDL, HDF or HR eyepiece and take high magnification photos and video. The mount features a plate with adjustable clamps to position and hold the smartphone on one side. On the other is an adjustable 3 pin clamp that fixes over the eyepiece. See page 62 for product details.



Photoadapters for Smartphones

Opticron smartphone photoadapters are a convenient and inexpensive way of attaching your smartphone to your fieldscope 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.opticron.co.uk.

Things to know

Fieldscopes 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 Digiscoping pages at www.opticron.co.uk.

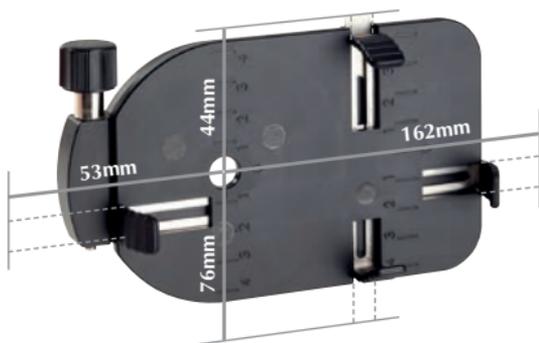


Universal Smartphone Mount USM-2

The USM-2 is a simple and flexible way to connect your smartphone to Opticron SDL, HDF and HR eyepieces and shoot video or take high magnification photos.

The USM-2 comprises a mounting plate with 4 adjustable clamps to hold your smartphone securely coupled to a self centring 3-pin adjustable clamp that fixes securely over your eyepiece.

The USM-2 is compatible with mobile phones fitted with a single front facing camera lens and a screen size up to 6" - subject to the position of the camera lens on the device. 2 year guarantee.



Universal Tele-Adapter UTA 2x

The Universal Tele-Adapter UTA 2x enables you to increase the magnification of your Opticron binocular or telescope+eyepiece combination by a factor of 2. Fitted to a binocular, the UTA converts one half into a higher powered long eye relief monocular. It also connects to Opticron SDL, HDF, HR and IS eyepieces.

Featuring a long eye relief eyepiece and fitted with a twist type retractable eyecup, the UTA is compatible with a wide range of different eyepieces as it is supplied as two separate components:

1. 40951 2x adapter complete with lens assembly.
2. Connection ring to push fit over eyepiece (See table for compatibility with current models).

The UTA 2x comes with a 10 year guarantee.



40941 42.5~41.3	40942 42~41.3	40943 44.3	40944 40
DBA VHD C/Man BGA HD Oregon 4 LE WP Savanna WP	Imagic TGA WP	Imagic BGA VHD Natura BGA ED Explorer WA ED T3 Trailfinder HDF T 40810 HDF T 40831	HR WP Traveller BGA Mg Savanna R IS 40918S HR2 40930 HR2 40931

40945 34.6	40947 Push Fit	40948 50~49.5	40949 52.5~51.26
SR.GA	DBA Mono BGA Mono	HDF T 40862	SDL 40936



Tripods, Panheads, Bipod & Monopod

42116 XFS-C Traveller 4-section Tripod

- 8 layer carbon fibre with twist lock
- Leg angles; 25°, 55°, 80°
- Foam hand grips & rubber/spiked feet
- Level indicator
- 24mm dia, 330mm removable centre column with sprung stabilising hook
- Max. height: 1500mm
- Max. height w/o raising c/c: 1250mm
- Min. height (25°): 455mm
- Length (storage): 480mm
- Weight: 1050g
- 5 year guarantee



42122 XFS-C Birdwatcher's 3-section Tripod

- 8 layer carbon fibre with twist lock
- Leg angles; 25°, 55°, 80°
- Foam hand grips & rubber/spiked feet
- Level indicator
- 24mm dia, 330mm removable centre column with sprung stabilising hook
- Max height: 1555mm
- Max. height w/o raising c/c: 1305mm
- Min. height (25°): 560mm
- Length (storage): 595mm
- Weight: 1170g
- 5 year guarantee



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: 100mm
- Weight: 520g
- Manufacturers max. load rating: 2.5kg
- Man. guarantee 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: 100mm
- Weight: 577g
- Manufacturers max. load rating: 3.5kg
- Man. guarantee applies



41129 Velbon Sherpa 200 Tripod

- 3-section aluminium with clip lock legs
- 26mm dia, 400mm removable centre column fitted with 20897 **Velbon PH157QK Panhead** (see opposite)
- Rubber feet
- Max. height: 1675mm
- Max. height w/o raising c/c: 1340mm
- Min height: 590mm
- Length (storage): 620mm
- Weight: 1950g
- Manufacturers max. load rating: 3.5kg
- Man. guarantee applies



40316 Ball & Socket Panhead

For use with 40314 bipod and spottingscopes without rotating tripod sleeves.

- Height: 72mm
- Weight: 117g
- 5 year guarantee



Spottingscope Bipod

Fold up aluminium bipod finished in matt black. Connects to spottinglescope or independent tripod sleeve with 1/4" threaded bolt. Supplied complete with 270mm extension pole for use on a bench or table creating a usable height range from 265mm to 730mm. Additional poles available. Weight c/w extension pole: 1502g. 5 year guarantee.

Models available; **40314 Bipod**, **40315 Bipod with Ball & Socket Panhead**.



Mounts & Tripod Accessories

42620 BC-2 Hide Clamp

Designed for use with fieldscopes, photo & video equipment.

Features include:

- PH157QK panhead with 360° panning and +90° to -60° tilt plus 90° side tilt for use with telescopes not fitted with rotating tripod sleeves
- 21mm dia. 500mm centre column
- Maximum jaw width: 45mm
- Maximum height extended: 510mm
- Minimum height retracted: 90mm
- Weight: 1030g
- 5 year guarantee



42611 BC-2 Clamp

Fits directly onto a tripod centre 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: 267g
5 year guarantee



42610 BC-2 Clamp & 500mm Centre Column

As 42605 but supplied without panhead.

Connects via 1/4" thread to compatible panheads to convert to a hide clamp. Weight: 450g
5 year guarantee



42639 QR plate & shoe

Screws directly onto panhead. 1/4" thread. Weight: 87g.



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: 80mm
- Max. jaw width: 45mm
- Optional QR plate & shoe
- Dimensions: 205x80x65mm
- Weight: 597g
- 5 year guarantee



40502 Car Window Mount

- 2-way one lever operated panhead with integral 1/4" thread
- Maximum panning height 80mm
- Protective rubber jaw pads
- Optional QR plate & shoe
- Dimensions: 205x80x65mm
- Weight: 555g
- 5 year guarantee



40503 Universal II Hide Mount

Lightweight bench clamp with 400mm extension pole.

- 2-way one lever operated panhead with integral 1/4" thread
- Max. panning height: 450mm
- Max. jaw width: 45mm
- Optional QR plate & shoe
- Dimensions: 455x100x60mm
- Weight: 845g
- 5 year guarantee



40505 Tripod Strap

40mm nylon with loop fasteners.



40506 Tripod Strap

55mm neoprene with loop fasteners and 25mm webbing.



Binocular & Monocular Accessories

Rainguards



Binoculars Plastic

31025 Int \varnothing to 37mm
31076 Int \varnothing to 40mm
31020 Int \varnothing to 43mm
31075 Int \varnothing to 44mm
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 Microfibre 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



31012 Roof Prism Plastic

32~50mm OG



42051 Plate Mount

Features non-slip pads and an adjustable nylon and elastic strap set with Velcro closure

Straps



Models from top down:
Neoprene with loop fasteners
29009 14mm Monocular
29010 16mm Compact
31071 25mm Binocular
29028 55mm Binocular Flotation
Neoprene with Quick Release
29022 QR Connector Set - 29023, 25
29023 30mm Binocular
29025 40mm Binocular Bungee
Nylon with loop fasteners
31000 16mm Compact
31070 25mm Binocular

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 Cordura, vinyl and neoprene cases in a range of sizes for porro and roof prism models. Please contact us for sizes and specifications available.





Hand Magnifiers

Opticon hand magnifiers are available in a range of types, sizes and specifications. They are suitable for a wide range of activities from reading small print and fine detail on cloth and materials to close up inspection of plants, insects and electronics.

Folding Metal Loupes

Glass lens with metal frame and chrome plated housing



57081
6x doublet
18mm / 0.7"



57100
10x doublet
18mm / 0.7"



57101
15x doublet
18mm / 0.7"



57102
6x doublet
23mm / 0.9"



57103
10x doublet
23mm / 0.9"



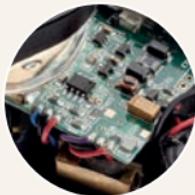
57104
15x doublet
23mm / 0.9"

Premier Folding Metal Loupe

Glass lens with metal frame & chrome plated housing



51118
3x, 4x, 5x triple
20mm / 0.8"



Opticon hand magnifiers are suitable for a wide range of applications. To see the full range visit www.opticon.co.uk

LED Hand Magnifiers

Glass lens with plastic frame & handle
(Uses 3xAAA 1.5V batteries. Not included)



57519
10x
26mm / 1.02"



57520
15x
21mm / 0.8"



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Background photographs supplied by Craig Aitchison, Niklas Aronsson, Tomi Muukkonen,
Rebecca Nason, Sarah Onacko, Mike Read, Juan Martin Simon and Tore Wuttudal

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