



# 2018 Sport Optics Catalogue



## LIFETIME REPAIR/REPLACEMENT

Excludes lost or stolen products and intentionally caused damage, and also excludes Nikon Rangefinders, StabilEyes Binoculars & Specialty Optics

# MONARCH BINOCULARS

## EXPERIENCE BETTER GLASS

With its legendary bloodlines and enhanced optical systems—the MONARCH Series of all-terrain binoculars can maximize every hour spent in the field. For 2018, every MONARCH binocular now utilizes Nikon’s renowned ED (Extra-low Dispersion) glass and phase-correction prisms with dielectric high reflective multilayer coatings to deliver a level of performance unlike any other.



## MONARCH HG



10x30

ED GLASS

**THE MOST AWARDED MONARCH. EVER.** Every precious moment you spend in the field deserves the advantage of extraordinary performance. The new MONARCH HG 30mm series follows in the footsteps of its award-winning 42mm siblings in delivering class-ruling optical performance, unrivaled ruggedness and exceptional handling. Engineered throughout to match the performance specifications of the original 8x42 and 10x42 models, the new 30mm MONARCH HG binoculars do so in a smaller size and nearly 8 ounce reduction in weight.

	Product Number	Product Description	Suggested Retail Price (SRP)
<b>MONARCH HG</b>			
<b>NEW!</b>	16575	8x30	\$ 1349.95
<b>NEW!</b>	16576	10x30	1349.95
	16027	8x42	1449.95
	16028	10x42	1449.95

- Wide apparent field of view (60.3° for 8x and 62.2° for 10x). FOV is the same for respective magnifications of 30mm and 42mm models! While realizing a wide field of view, the Field Flattener Lens System assures a sharp and clear view all the way to the lens periphery.
- Field of view for 8x models = 435ft @1000yds, 10x models = 362ft @1000yds. FOV is the same for respective magnifications of 30mm and 42mm models!
- ED (Extra-low dispersion) Glass corrects chromatic aberration that causes color fringing and realizes a contrast-rich and high-resolution image
- High-quality multilayer coating is applied to all lenses and prisms, while dielectric high-reflective multilayer coating is applied to the roof prisms, achieving a bright view of up to 92% or higher light transmittance, and natural color fidelity
- Phase-correction prism coating enhances resolution and contrast
- Lead-and-arsenic-free glass used in all lenses and prisms
- Magnesium alloy body is lightweight and extremely durable
- Wider available Interpupillary Distance Adjustment designed to fit virtually everyone—56mm-74mm
- Locking diopter control maintains your personal setting
- Long eye relief and turn-and-slide eyecups facilitate optimum eye position
- Closer minimum focus distance—just 6.6 feet



10x42

ED GLASS



Lightweight Magnesium Alloy Body



For full details visit [NikonSportOptics.ca](http://NikonSportOptics.ca)



# MONARCH 7

The hallmark of the MONARCH 7 is its optical system—a seamless carrier of light that utilizes Nikon’s premium ED (Extra-low Dispersion) glass and lens and prism coatings. This heart of the MONARCH 7 not only pushes resolution and brightness to extreme levels, but also further enhances your viewing experience with an amazingly wide field of view, close-focus capability and comfortable eye relief. The MONARCH 7 30mm objective lens models provide the same level of clarity and resolution in an even more compact and portable body.

Product Number	Product Description	Suggested Retail Price (SRP)
<b>MONARCH 7</b>		
7579	8x30	\$ 529.95
7580	10x30	549.95
7548	8x42	689.95
7549	10x42	709.95



**ED**  
GLASS

- Wide interpupillary range
- Fully Multicoated technology, free of lead and arsenic
- Quick focusing
- Sure-grip rubber outer armor
- Turn-and-slide rubber eyecups
- Flip-down objective lens covers
- Nikon’s Legendary ED (Extra-low Dispersion) Glass Lenses
- Dielectric High-Reflective Multilayer Prism Coating
- Extremely Wide Field of View
- Phase-correction coated prisms
- Smooth central focus knob
- Scratch-resistant coating for outside objective and eyepiece lenses (42mm models)
- Lightweight, Slim Design
- Long eye relief, perfect for eyeglass wearers
- Waterproof (up to 1m/3.3ft for 10 minutes) and nitrogen-purged for fog-free performance

Even with an uncontested heritage of all-conditions optical performance, the MONARCH 5 further elevates its game with improved agility and advanced low light brilliance. With the addition of Nikon’s ED glass lenses, the MONARCH 5 binocular is in a class of its own for battling darkness with sharp, high-contrast views. It’s also available with 56mm objective lenses for extreme light gathering ability.

# MONARCH 5

Product Number	Product Description	Suggested Retail Price (SRP)
<b>MONARCH 5</b>		
7576	8x42	\$ 424.95
7577	10x42	469.95
7578	12x42	484.95
7583	20x56	1199.95



**ED**  
GLASS

- Wide interpupillary range
- Fully Multicoated technology, free of lead and arsenic
- Quick focusing
- Sure-grip rubber outer armor
- Turn-and-slide rubber eyecups
- Flip-down objective lens covers
- Nikon’s Legendary ED (Extra-low Dispersion) Glass Lenses
- Dielectric High Reflective Multilayer Prism Coating
- Phase-correction coated prisms
- Tripod adaptor included with 20x56 model
- Long eye relief, perfect for eyeglass wearers
- Waterproof (up to 1m/3.3ft for 10 minutes) and nitrogen-purged for fog-free performance



For full details visit [NikonSportOptics.ca](http://NikonSportOptics.ca)

# PROSTAFF & WATERPROOF BINOCULARS

## PASSION INSPIRED PERFORMANCE

PROSTAFF Binoculars feature superb optics, ergonomic design and waterproof performance. They can be trusted to give you the vision you demand when the conditions are at their worst.



## PROSTAFF 7s

The PROSTAFF 7s is available in both 42mm and 30mm objectives, the new body design offers style along with a textured grip, improved knurling on the focusing ring and a fully multicoated optical structure to deliver an even brighter, sharper image.



10x42



8x30

Product Number	Product Description	Suggested Retail Price (SRP)
<b>PROSTAFF 7s</b>		
16000	8x30	\$ 259.95
16001	10x30	274.95
16002	8x42	269.95
16003	10x42	284.95
16004	10x42 Xtra Green*	304.95

\* Finished in Realtree Xtra® Green

- Fully Multicoated lenses and prisms
- Long Eye Relief
- Turn-and-slide rubber multi-click eyecups
- Phase-Correction-Coated roof prisms for high resolution
- High-reflection mirror-coated prisms for bright images
- Lead and arsenic free glass
- Rubber armoring for shock resistance and a firm, comfortable grip
- Waterproof (up to 1m/3.3ft for 10 minutes) and nitrogen-purged for fog-free performance



For full details visit [NikonSportOptics.ca](http://NikonSportOptics.ca)



The PROSTAFF name is synonymous with dependable, rugged optical tools. The PROSTAFF 5 binocular line lives up to its name with multi-click, turn-and-slide rubber eyecups, long eye relief, waterproof/fogproof performance and a lightweight and rugged, yet sleek and comfortable body.

## PROSTAFF 5

Product Number	Product Description	Suggested Retail Price (SRP)
<b>PROSTAFF 5</b>		
7572	10x50	279.95
7573	12x50	294.95

- Multilayer-coated lenses for brighter images
- Long Eye Relief
- Turn-and-slide rubber multi-click eyecups
- Lead and arsenic free glass
- Lightweight body uses fiberglass-reinforced polycarbonate resin
- Waterproof and Fogproof



8x42

The PROSTAFF 3S, available in 8x42 and 10x42, offers a wide field of view, lightweight carry and impressive eye relief. As with all PROSTAFF binoculars, you'll get waterproof/fogproof performance, turn-and-slide multi-click rubber eyecups and rubber armoring for shock resistance and a firm, comfortable grip.

## PROSTAFF 3S

Product Number	Product Description	Suggested Retail Price (SRP)
<b>PROSTAFF 3S</b>		
16030	8x42	\$ 179.95
16031	10x42	189.95

- Multilayer-coated lenses for brighter images
- High-reflectivity silver-alloy mirror coating for a bright and clear view
- Long Eye Relief
- Turn-and-slide rubber multi-click eyecups
- Wide field of view
- Lead and arsenic free glass
- Lightweight body uses fiberglass-reinforced polycarbonate resin
- Rubber armoring for shock resistance and a firm, comfortable grip
- Waterproof and Fogproof



8x42



For full details visit [NikonSportOptics.ca](http://NikonSportOptics.ca)

# WATERPROOF & COMPACT BINOCULARS

## PURPOSE-DRIVEN PERFORMANCE

Nikon offers several binocular lines that have unique characteristics for the intended use: rugged marine binoculars, with or without a built-in global compass, rugged waterproof all-terrain binoculars, and three compact lines that offer superb performance in a smaller, lighter package.



**OceanPro CF WP  
Global Compass  
7x50**



## MARINE BINOCULARS

All mariners, including those traveling south of the equator, will appreciate Nikon's OceanPro binocular with integral global compass. Designed to be used in Northern Hemisphere and Southern Hemisphere locations, the OceanPro with Global Compass with 7x magnification and 50mm objectives achieve optimum viewing even in rough water.

Product Number	Product Description	Suggested Retail Price (SRP)
<b>OceanPro</b>		
16026	7x50 OceanPro CF WP Global Compass	\$ 434.95

- Quick, Easy Central Focus
- Rubber Armored, Shockproof Polycarbonate Body
- Waterproof/Fogproof
- Nylon Floating Strap included
- Long Eye Relief
- Multicoated Lenses
- Global Compass works anywhere in the world

**Action Extreme  
7x35**



## ACTION EXTREME BINOCULARS

Product Number	Product Description	Suggested Retail Price (SRP)
<b>Action Extreme</b>		
7237	7x35 (Ultra Wide View)	\$ 189.95
7238	8x40 (Ultra Wide View)	214.95
7239	7x50	229.95
7245	10x50 (Wide Angle)	244.95
7246	12x50 (Wide Angle)	259.95
7247	16x50	299.95

- Waterproof/Fogproof
- Bright, Multicoated Optics
- Long Eye Relief
- Rubber Armored
- Multi-Click Turn-and-Slide Eyecups
- BaK4 High Index Prisms

**TRAVELITE EX  
10x25**



## COMPACT BINOCULARS

Product Number	Product Description	Suggested Retail Price (SRP)
<b>TRAVELITE EX WATERPROOF</b>		
35501	8x25 Travelite EX	\$ 184.95
35503	10x25 Travelite EX	194.95

- Compact, Rugged, Waterproof/Fogproof
- Long Eye Relief
- Aspherical Eyepiece Lenses
- Multicoated optics
- Rubber Armored Polycarbonate Body

**SPORTSTAR EX  
10x25**



## SPORTSTAR EX WATERPROOF

35515	8x25 Sportstar EX	\$ 124.95
35515	10x25 Sportstar EX	134.95

- Waterproof/Fogproof
- Rubber Armored Body
- Turn-and-Slide Eyecups
- Multicoated optics
- Dual-hinge roof prism design



# ACULON BINOCULARS



## TAKE THE PERFORMANCE WITH YOU

The ACULON Series binoculars are the most eye-catching binoculars in the Nikon line, as well as some of the most compact. With a variety of different magnifications and compact body styles, ACULON binoculars are a great fit for almost any occasion.

ACULON A211 binoculars deliver a high quality image under a multitude of lighting conditions, making these binoculars effective from dawn till dusk. All together, the ACULON A211 binoculars are a quality, cost effective choice.

Product Number	Product Description	Suggested Retail Price (SRP)
<b>ACULON A211</b>		
8244	7x35	\$ 114.95
8245	8x42	124.95
8245	8x42	124.95
8246	10x42	139.95
8247	7x50	149.95
8248	10x50	164.95
8249	12x50	169.95
8250	16x50**	194.95
8252	10-22x50 Zoom*	254.95

\* Includes free Tripod Adapter

- Multilayer-coated Optics
- Fully Rubber Armored
- Turn-and-Slide Rubber Eyecups
- Porro Prism System
- Aspherical Multicoated Lenses (except zoom models)

The ACULON A30 is a compact, lightweight roof prism binocular that is perfect for trailing, tracking, hunting and other outdoor pursuits. It is available in 10x25 magnification and comes in black or Realtree Xtra® Green.

Product Number	Product Description	Suggested Retail Price (SRP)
<b>ACULON A30</b>		
8263	10x25 Black	\$ 109.95
8264	10x25 Xtra Green*	134.95

\* Finished in Realtree Xtra® Green

- Multicoated Lenses
- Smooth Central Focus Knob
- Weighs less than 10 ounces
- Available in black or Realtree Xtra® Green
- Dual Hinge design folds down small enough to fit in your pocket

The ACULON T11 ZOOM binocular is a portable, pocket-sized option that stows so easily, you won't even know it's there until you need it.

Product Number	Product Description	Suggested Retail Price (SRP)
<b>ACULON T11</b>		
7334	8-24x25 Black	\$ 219.95

- 3-Time Zoom Capability with unique zoom lever
- Porro Prism System
- Smooth Central Focus Knob
- Turn-and-Slide Rubber Eyecups
- Bright, Multicoated Optics
- BaK4 High Index Prisms

## ACULON A211



8x42

## ACULON A30



10x25

## ACULON T11



8-24x25



For full details visit [NikonSportOptics.ca](http://NikonSportOptics.ca)

# MONARCH FIELDSCOPES

## A BETTER LOOK AT YOUR WORLD

Discover the greatness and beauty of the world around you with a tool designed to not only get you closer, but present you with a vision better than that of the naked eye. Introducing the MONARCH Fieldscope series.



# MONARCH

The MONARCH Fieldscope offers crystal-clear field of view attributable to Nikon sophisticated optical technology. True to its legendary name and reputation, the MONARCH Fieldscope brings the excitement of awe-inspiring observation and incredible visual experiences to the eye of its beholder. MONARCH's Advanced apochromat system with ED glass and proprietary lens and prism coatings delivers true color fidelity with high resolution integrity.



**MONARCH Fieldscope 60ED-A**  
60mm Angled with MEP 16-48

**ED**  
GLASS

Product Number	Product Description	Suggested Retail Price (SRP)
<b>MONARCH Fieldscopes</b>		
16100	20-60x82 ED Straight with MEP 20-60	\$ 2099.95
16101	20-60x82 ED Angled with MEP 20-60	2099.95
16102	16-48x60 ED Straight with MEP 16-48	1799.95
16103	16-48x60 ED Angled with MEP 16-48	1799.95

- 60mm or 82mm Objective Lens
- Straight or Angled Body
- Advanced Apochromat Optical System with ED (Extra-low dispersion) glass minimizes color fringing to the furthest limit of the visible range
- Field Flattener Lens System delivers sharp images all the way to the periphery
- Multilayer Coated Lenses and Prism for natural color fidelity
- Optimised Focusing System for fast focusing
- Aluminum alloy body for high durability
- Waterproof performance for inclement weather \*Waterproof (up to 1m/3.3ft for 10 minutes) (NOT designed for underwater usage)
- Built-in Sliding Sunshade

**MONARCH Fieldscope 82ED-S**  
82mm Straight with MEP 20-60



For full details visit [NikonSportOptics.ca](http://NikonSportOptics.ca)



**MONARCH** Fieldscope MEP eyepieces deliver high optical performance. Nikon has developed eyepieces exclusively for **MONARCH** Fieldsopes. Each employs a new optical system, and a Field Flattener Lens System that delivers consistent sharpness and clarity across the entire field of view. While providing a wide field of view, **MONARCH** eyepieces also provide sufficiently long eye relief. When attached to a Fieldscope, each of the three new MEP eyepieces are waterproof\*, ensuring safe use even during unexpected weather changes.

\*Waterproof: As tested by water equivalent to 5mm per minute, for a duration of 30 minutes. (NOT designed for underwater usage)



Product Number	Product Description	Suggested Retail Price (SRP)
<b>MONARCH Fieldscope MEP Eyepieces</b>		
16108	MEP-38W	\$ 399.95
16109	MEP-20-60*	399.95
16110	MEP-30-60W	729.95

\* Included with Fieldscope



For full details visit [NikonSportOptics.ca](http://NikonSportOptics.ca)

# FIELDSCOPES

## WHERE POWER MEETS PRECISION

Nikon offers a broad selection of the finest Fieldscopes and interchangeable, fully multicoated eyepieces, all delivering brilliant optical performance and rugged waterproof construction.



## PROSTAFF 5

The PROSTAFF 5 Fieldscope offers a wide field of view and superb viewing in all conditions. It is engineered for precision and high magnification capability. Multilayer coated lenses and prisms provide you with superb brightness.



82mm  
Angled Body

Product Number	Product Description	Suggested Retail Price (SRP)
<b>PROSTAFF 5 Fieldscopes</b>		
8776	Prostaff 5 60MM S Body	\$ 494.95
8777	Prostaff 5 60MM A Body	494.95
8774	Prostaff 5 80MM S Body	599.95
8775	Prostaff 5 80MM A Body	599.95
6980	SEP DS Eyepiece (16-48x/20-60x)	229.95

- 60mm or 82mm Objective Lens
- Straight or Angled Body
- Multilayer Coated Lenses and Prisms
- Ergonomic, Lightweight Porro Prism Design
- Internal Surface Texturing
- Built-in Sliding Sunshade
- Waterproof/Fogproof

60mm  
Straight Body



For full details visit [NikonSportOptics.ca](http://NikonSportOptics.ca)



# PROSTAFF

## 3

The PROSTAFF 3 Fieldscope Outfit combines quality optics in a compact, rugged package for a take-anywhere spotter. The fully multicoated optics and 16-48x Zoom eyepiece guarantee you the best in versatility and performance. Packaged as an outfit, with compact tripod and carry case, the PROSTAFF 3 Fieldscope is ready for your next outing.

Product Number	Product Description	Suggested Retail Price (SRP)
<b>PROSTAFF 3 Fieldscope Outfit</b>		
6983	16-48x60mm Fieldscope Outfit	\$ 469.95

- Compact and lightweight
- Integral Zoom Eyepiece
- Multilayer Coated Lenses and Prisms
- Includes compact tripod and carrying case
- Fully Rubber Armored
- Waterproof/Fogproof



PROSTAFF 3  
Fieldscope Outfit

### FIELDSCOPE 50mm ED

The Fieldscope 50mm ED is incredibly compact and lightweight, perfect for tucking into your pack for all your hunting adventures. Nikon ED glass delivers extremely bright, sharp, true color images.

Product Number	Product Description	Suggested Retail Price (SRP)
<b>Fieldscope 50mm ED</b>		
8304	Fieldscope ED 50 Angled body	\$ 849.95
7466	13-30X Zoom eyepiece	327.95

- Nikon's ED (Extra-low Dispersion) Glass Lenses
- High Grade Optics with Multicoating Technology
- Compact and Lightweight
- Zoom Eyepiece Included
- Waterproof/Fogproof



ED 50mm  
Angled Body

**ED**  
GLASS



For full details visit [NikonSportOptics.ca](http://NikonSportOptics.ca)

# Performance Icons Compatible Chart (for full size roof prism binoculars)

These icons symbolize different performance features for full size roof (Dach) prism binoculars with objective diameter of 30mm or above.

	Objective Diameter (mm)	Magnification (x)	High Contrast	Field Flattener Lens System	Wide Field of View	ED Lens	High Quality Full Multilayer Coating	Full Multilayer Coating	Armor Coating	Bright Field of View	True Color Balance	Comfort View	Dielectric High Reflective Multilayer Coating	Silver Prism Coating	Phase Correction Coating	Durable Frame	Waterproof Plus	Waterproof	Fogproof	Easy Operation
			HC	FF	WF	ED	FM*	FM	AC	BV	TC	CV	DC	SC	PC	DF	WP+	WP	FP	EO
<b>MONARCH</b> HG	42	8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	30	8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
<b>MONARCH</b> ✓	42	8	-	-	-	•	•	-	•	-	•	•	-	•	•	-	•	•	•	•
		10	-	-	•	•	•	-	•	-	•	•	•	•	•	•	-	•	•	•
	30	8	-	-	•	•	•	-	-	-	•	•	-	•	•	-	•	•	•	•
		10	-	-	•	•	•	-	-	•	•	•	-	•	•	-	•	•	•	•
<b>MONARCH</b> S	56	20	-	-	-	•	•	-	-	•	-	•	-	•	•	-	•	•	•	•
		8	-	-	-	•	•	-	-	-	-	-	-	-	-	-	-	-	-	-
	42	10	-	-	-	•	•	-	-	•	-	•	-	•	•	-	•	•	•	•
		12	-	-	-	•	•	-	-	•	-	•	-	•	•	-	•	•	•	•
<b>PROSTAFF</b> ✓s	42	8	-	-	-	-	•	-	-	-	•	-	-	•	•	-	•	•	•	•
		10	-	-	-	-	•	-	-	-	•	-	-	•	•	-	•	•	•	•
	30	8	-	-	-	-	•	-	-	-	•	-	-	•	•	-	•	•	•	•
		10	-	-	-	-	•	-	-	-	•	-	-	•	•	-	•	•	•	•
<b>PROSTAFF</b> S	50	10	-	-	-	-	-	-	-	-	•	-	-	-	•	-	•	•	•	•
		12	-	-	-	-	-	-	-	-	•	-	-	-	•	-	•	•	•	•
<b>PROSTAFF</b> Es	42	8	-	-	-	-	-	-	-	-	•	-	•	-	•	-	•	•	•	•
		10	-	-	-	-	-	-	-	-	•	-	•	-	•	-	•	•	•	•

## Optics



**High Contrast**  
Optical system provides ultra-high contrast and sharp images.



**Field Flattener Lens System**  
Optical system ensures sharpness all the way to the periphery with minimised curvature of field.



**Wide Field of View**  
Wide field-of-view binoculars provide an apparent field of view over 60°. \*Apparent field of view is calculated based on the ISO 14132-1:2002 standard.



**ED Lens**  
ED (Extra-low dispersion) glass corrects chromatic aberrations.



**High Quality Full Multilayer Coating**  
High Quality Full Multilayer Coating reduces light loss at a wide range of wavelengths.



**Full Multilayer Coating**  
Full Multilayer Coating is applied to all lens and prism surfaces.



**Armor Coating**  
Special coating applied to lens surfaces for scratch-resistance.



**Bright Field of View**  
Bright view is obtained with superior light transmittance.



**True Color Balance**  
High color fidelity is like viewing with the naked eye.



**Comfort View**  
Eyepiece is designed to give excellent viewing comfort and easy capturing of desired subjects.

## Prism Coating



**Dielectric High Reflective Multilayer Coating**  
Dielectric high-reflective multilayer coating applied on roof (Dach) prism features high reflectance that exceeds 99%\*. \* Designed value



**Silver Prism Coating**  
Silver alloy prism coating applied on roof (Dach) prism features high reflectance that exceeds 95%\*. \* Designed value



**Phase Correction Coating**  
Phase correction coating applied on roof (Dach) prism

## Mechanical Design



**Durable Frame**  
Strong, solid body provides higher durability.



**Waterproof Plus**  
Waterproofing with pressure resistance to a depth of 4m or deeper underwater. \*Not designed for underwater usage



**Waterproof**  
Waterproofing with pressure resistance to a depth of under 4m underwater. \*Not designed for underwater usage



**Fogproof**  
Body filled with dry, nitrogen gas to prevent internal fogging and molding.



**Easy Operation**  
Ergonomic body design ensures comfortable handling.

# BINOCULAR SPECIFICATIONS

MONARCH BINOCULARS												
	MONARCH HG				MONARCH 7				MONARCH 5			
Model	8x30	10x30	8x42	10x42	8x30	10x30	8x42	10x42	8x42	10x42	12x42	20x56
Black	16575	16576	16027	16028	7579	7580	7548	7549	7576	7577	7578	7583
Focusing System	CF	CF	CF	CF	CF	CF	CF	CF	CF	CF	CF	CF
Magnification x	8	10	8	10	8	10	8	10	8	10	12	20
Objective Diameter (mm)	30	30	42	42	30	30	42	42	42	42	42	56
Angular Field (Real)	8.3°	6.9°	8.3°	6.9°	8.3°	6.7°	8	6.7	6.3°	5.5°	5.0°	3.3°
of View (Apparent)	60.3°	62.2°	60.3°	62.2°	60.3°	60.7°	58.4	60.7	47.5°	51.3°	55.3°	59.9°
FOV @ 1000 yds. (ft.)	435	362	435	362	435	351	420	351	330	288	262	173
Close Focus Distance (ft.)	6.6	6.6	6.6	6.6	6.6	6.6	8.2	8.2	8.2	8.2	8.2	16.4
Exit Pupil (mm)	3.8	3.0	5.3	4.2	3.8	3	5.3	4.2	5.3	4.2	3.5	2.8
Relative Brightness	14.4	9.0	28.1	17.6	14.4	9	28.1	17.6	28.1	17.6	12.3	7.8
Eye Relief (mm)	16.2	15.2	17.8	17.0	15.1	15.8	17.1	16.5	19.5	18.4	15.1	16.4
Size (L&W) Inches	4.7 x 5.0	4.7 x 5.0	5.7 x 5.2	5.7 x 5.2	4.7 x 4.8	4.7 x 4.8	5.6 x 5.1	5.6 x 5.1	5.7 x 5.1	5.7 x 5.1	5.7 x 5.1	7.8 x 5.7
Weight (oz.)	15.9	15.9	23.5	24.0	15.3	15.5	22.9	23.3	20.8	21.2	21.2	43.6

PROSTAFF BINOCULARS									
	PROSTAFF 7S				PROSTAFF 5			PROSTAFF 3S	
Model	8x30	10x30	8x42	10x42	10x50	12x50	8x42	10x42	
Black	16000	16001	16002	16003	7572	7573	16030	16031	
Realtree Xtra Green	N/A	N/A	N/A	16004	N/A	N/A	N/A	N/A	
Focusing System	CF	CF	CF	CF	CF	CF	CF	CF	
Magnification x	8	10	8	10	10	12	8	10	
Objective Diameter (mm)	30	30	42	42	50	50	42	42	
Angular Field (Real)	6.5°	6°	6.8°	6.2°	5.6°	4.7°	7.2°	7°	
of View (Apparent)	48.9°	55.3°	50.8°	56.9°	52.1°	52.4°	53.4°	62.9°	
FOV @ 1000 yds. (ft.)	341	314	356	325	293	246	377	367	
Close Focus Distance (ft.)	8.2	8.2	13.1	13.1	16.4	16.4	9.8	9.8	
Exit Pupil (mm)	3.8	3	5.3	4.2	5	4.2	5.3	4.2	
Relative Brightness	14.4	9	28.1	17.6	25	17.6	28.1	17.6	
Eye Relief (mm)	15.4	15.4	19.5	15.5	19.6	15.5	20.2	15.7	
Size (L&W) Inches	4.7 x 4.8	4.7 x 4.8	6.6 x 5.1	6.5 x 5.1	7.4 x 5.5	7.2 x 5.5	6 x 5.1	5.9 x 5.1	
Weight (oz.)	14.6	14.8	22.9	22.8	28.7	27.9	19.9	20.3	

OTHER WATERPROOF BINOCULARS								
	ACTION EXTREME							OCEANPRO CF WP Global Compass
Model	7x35	8x40	7x50	10x50	12x50	16x50		7x50
Black	7237	7238	7239	7245	7246	7247		16026
Focusing System	CF	CF	CF	CF	CF	CF		CF
Magnification x	7	8	7	10	12	16		7
Objective Diameter (mm)	35	40	50	50	50	50		50
Angular Field (Real)	9.3°	8.2°	6.4°	6.5°	5.5°	3.5°		7.2°
of View (Apparent)	59.3°	59.7°	42.7°	59.2°	59.9°	52.1°		47.5°
FOV @ 1000 yds. (ft.)	488	430	335	341	288	183		377
Close Focus Distance (ft.)	16.4	16.4	23	23	23	23		33
Exit Pupil (mm)	5	5	7.1	5	4.2	3.1		7.1
Relative Brightness	25	25	50.4	25	17.6	9.6		50.4
Eye Relief (mm)	17.3	17.2	17.1	17.2	16.1	17.8		22.7
Size (L&W) Inches	4.7 x 7.2	5.4 x 7.4	7 x 7.7	7 x 7.7	7 x 7.7	7 x 7.7		7.6 x 8
Weight* (oz.)	28.2	30.2	35.3	36	36.9	36.7		39.9

\* Weight without batteries.

COMPACT BINOCULARS								
	PROSTAFF		TRAVELITE EX		TRAVELITE			
Model	8x25	10x25	8x25	10x25	8x25	10x25	12x25	
Black	7483	7485	8217	8218	7277	7278	7279	
Focusing System	CF	CF	CF	CF	CF	CF	CF	
Magnification x	8	10	8	10	8	10	12	
Objective Diameter (mm)	25	25	25	25	25	25	25	
Angular Field (Real)	6.3°	5°	8.2°	6.5°	5.6°	5°	4.2°	
of View (Apparent)	47.5°	47.2°	59.7°	59.2°	42.7°	47.2°	47.5°	
FOV @ 1000 yds. (ft.)	330	262	429	342	293	262	220	
Close Focus Distance (ft.)	9.2	9.2	8.2	11.5	9.8	9.8	13.1	
Exit Pupil (mm)	3.1	2.5	3.1	2.5	3.1	2.5	2.1	
Relative Brightness	9.6	6.3	9.6	6.3	9.6	6.3	4.4	
Eye Relief (mm)	15.5	15.9	10	10	14.0	11.1	11.1	
Size (L&W) Inches	3.9 x 4.5	4 x 4.5	4.1 x 4.5	4.1 x 4.5	4.5 x 4.6	4.3 x 4.6	4.3 x 4.6	
Weight (oz.)	12.5	12.9	9.9	9.9	9.3	9.5	9.7	

ACULON BINOCULARS										
	ACULON A211							ACULON A211 ZOOM	ACULON A30	ACULON T11 ZOOM
Model	7x35	8x42	10x42	7x50	10x50	12x50	16x50	10-22x50	10x25	8-24x25
Black	8244	8245	8246	8247	8248	8249	8250	8252	8263	7334
Realtree Xtra® Green	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8264	N/A
Focusing System	CF	CF	CF	CF	CF	CF	CF	CF	CF	CF
Magnification x	7	8	10	7	10	12	16	10-22	10	8-24
Objective Diameter (mm)	35	42	42	50	50	50	50	50	25	25
Angular Field (Real)	9.3°	8°	6°	6.4°	6.5°	5.2°	4.2°	3.8°@10x	5°	4.6°@8x
of View (Apparent)	59.3°	58.4°	55.3°	42.7°	59.2°	57.2°	60.8°	36.7°@10x	47.2°	35.6°@8x
FOV @ 1000 yds. (ft.)	488	420	314	335	341	272	220	199@10x	262	241@8x
Close Focus Distance (ft.)	16.4	16.4	16.4	26.2	23	26.2	29.5	49.2@10x	9.8	13.1
Exit Pupil (mm)	5	5.3	4.2	7.1	5	3.1	3.1	5@10x	2.5	3.1@8x
Relative Brightness	25	28.1	17.6	50.4	25	17.6	9.6	25@10x	6.3	9.6@8x
Eye Relief (mm)	11.8	12	11.6	17.6	11.8	11.5	12.6	8.6@10x	13	13@8x
Size (L&W) Inches	4.6 x 7.3	5.7 x 7.3	5.7 x 7.3	7.1 x 7.8	7 x 7.8	7 x 7.8	7 x 7.8	7.8 x 7.8	4.8 x 4.5	4.8 x 4.3
Weight (oz.)	24.2	26.6	26.8	31.9	31.7	32.1	32.6	33.9	9.7	10.8

**SPECIALTY OPTICS**

	WX	
Model	7x50	10x50
Black	16033	16034
Focusing System	IF	IF
Magnification x	7	10
Objective Diameter (mm)	50	50
Angular Field (Real) of View (Apparent)	10.7° 66.6°	9° 76.4°
FOV @ 1000 yds. (ft.)	563	472
Close Focus Distance (ft.)	40.4	65.6
Exit Pupil (mm)	7.1	5
Relative Brightness	50.4	25
Eye Relief (mm)	17.7	15.3
Size (L&W) Inches	10.7 x 6.7	11.5 x 6.7
Weight (oz.)	85.4	88.4

## FIELDSCOPE SPECIFICATIONS

**MONARCH FIELDSCOPES**

	60MM FIELDSCOPES		82MM FIELDSCOPES	
Model	60ED-S	60ED-A	82ED-S	82ED-A
Product Number	16102	16103	16100	16101
Magnification x	16-48	16-48	20-60	20-60
Objective Diameter (mm)	60	60	82	82
Close Focus Distance (ft.)	10.8	10.8	16.4	16.4
Filter-Attachment Size (mm)	67 (P=0.75)		86 (P=1.0)	
Length* with & without hood fully extended (Inches)	10.3/11.2	10.6/11.5	12.8/14.0	13.1/14.3
Height & Width (Inches)	4.9 x 3.7	4.3 x 3.9	4.9 x 4.1	4.4 x 4.3
Weight* Body Only (oz.)	44.4	44.1	58.2	57.8
Waterproof Performance	Fieldscope unit: waterproof and fogproof (up to 1m for 10 min., nitrogen gas purged)			

Note: Above specifications do not include eyepieces. \* Without caps

**MONARCH FIELDSCOPE MEP EYEPIECES**

Model	30x/38x WIDE EYEPIECE (MEP-38W)		16-48x/20-60x* EYEPIECE (MEP-20-60)		24-48x/30-60x WIDE EYEPIECE (MEP-30-60W)	
	w/60mm Fieldscope Body	w/82mm Fieldscope Body	w/60mm Fieldscope Body	w/82mm Fieldscope Body	w/60mm Fieldscope Body	w/82mm Fieldscope Body
Product Number	16108		16109		16110	
Magnification x	30	38	16-48	20-60	24-48	30-60
Angular Field (Real) of View (Apparent)	2.5 66.4	2.0 66.4	2.6-1.2*** 40.4-54.3***	2.1-1.0*** 40.4-54.3***	2.5-1.5*** 55.3-65.6***	2.0-1.2*** 55.3-65.6***
FOV at 1000 yds. (ft.)	132	105	135-63***	111-51***	132-78***	105-63***
Exit Pupil (mm)	2	2.2	3.8-1.3***	4.1-1.4***	2.5-1.3***	2.7-1.4***
Relative Brightness	4	4.8	14.4-1.7***	16.8-2.0***	6.3-1.6***	7.3-2.0***
Eye Relief (mm)	18.5	18.5	16.1-15.3***	16.1-15.3***	15.2-14.2***	15.2-14.2***
Size (L/O.D.)** (Inches)	2.9/2.4	2.9/2.4	3.5/2.4	3.5/2.4	3.6/2.4	3.6/2.4
Weight** (oz.)	9.5	9.5	12.3	12.3	14.1 (with TS) 13.1 (with DS)	14.1 (with TS) 13.1 (with DS)
Waterproof Performance	Eyepiece: Not waterproof. With Fieldscope attached: Waterproof (water equivalent to 5mm per minute for a duration of 30 minutes.)					

\*Included with MONARCH Fieldscopes \*\*Without caps \*\*\*Designed reference value at highest magnification TS-Turn Slide ring attachment DS-Digiscoping ring attachment

**PROSTAFF 5 FIELDSCOPES**

Model	60MM FIELDSCOPES		82MM FIELDSCOPES	
	16-48x60mm Straight Body	16-48x60mm Angled Body	20-60x82mm Straight Body	20-60x82mm Angled Body
Product Number	6976	6977	6974	6975
Outfit*	N/A	N/A	6982	N/A
Magnification x	16-48	16-48	20-60	20-60
Objective Diameter (mm)	60	60	82	82
Close Focus Distance (ft.)	13.1	13.1	20	20
Size (L&W) Body Only (Inches)	11.4 x 3.3	12 x 3.3	14.8 x 3.7	15.4 x 3.7
Weight Body Only (oz.)	26.1	26.5	33.5	33.9

**PROSTAFF 5 FIELDSCOPE EYEPIECE**

Model	16-48x/20-60x* EYEPIECE (SEP-20-60)	
	w/60mm Fieldscope Body	w/82mm Fieldscope Body
Product Number	6980	
Magnification x	16-48	20-60
Angular Field (Real) of View (Apparent)	2.6 39.9	2.1 39.9
FOV at 1000 yds. (ft.)	136	109
Exit Pupil (mm)	3.8-1.2	4.1-1.3
Relative Brightness	14.4	16.8
Eye Relief (mm)	16.9	16.9
Weight (oz.)	7.9	7.9

**PROSTAFF 3 OUTFIT**

Model	16-48x60mm
Product Number*	6983
Magnification x	16-48
Objective Diameter (mm)	60
Angular Field (Real) of View (Apparent)	2.3°@16X 35.6°@16X
FOV @ 1000 yds. (ft.)	120
Close Focus Distance (ft.)	32.8
Exit Pupil (mm)	3.7 - 1.25
Relative Brightness	14.4@16X
Eye Relief (mm)	19
Size Body Only (Inches)	12.3 x 2.9
Weight Body Only (oz.)	21.9

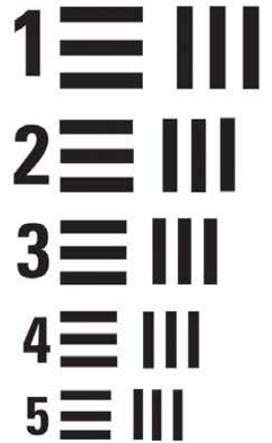
**50MM ED FIELDSCOPE**

Model	13-30x50mm Straight Body	13-30x50mm Angled Body
Product Number	8320	8321
Magnification x	13-30	13-30
Objective Diameter (mm)	50	50
Angular Field (Real) of View (Apparent)	3°@13x 38.5°@13x	3°@13x 38.5°@13x
FOV @ 1000 yds. (ft.)	157@13x	157@13x
Close Focus Distance (ft.)	9.8	9.8
Exit Pupil (mm)	3.8@13x	3.8@13x
Relative Brightness	14.4@13x	14.4@13x
Eye Relief (mm)	12.9@13x	12.9@13x
Size (L&W) Body Only (Inches)	8.2x2.8	8.1x2.8
Weight Body Only (oz.)	16	16.6

\*Outfit includes fieldscope body, zoom eyepiece, compact tripod and carry case.



# OPTICS RESOLUTION C H A R T



## Optics Comparison Test

Test 1: To test for lens distortion:

Focus on the top and sides of the image above. There should be no bowing or curvature of the lines.

Test 2: To test for edge-to-edge sharpness:

Focus on the poster as a whole. You should be able to focus sharply on the photo above and the Nikon logo at the same time

Test 3: To test for barrel alignment:

Focus on the close-up of zebra stripes. When it's sharp, put binocular down and rest your eyes for a few seconds. Bring binocular back up with one hand over a lens, then drop your hand. Image should stay sharp, not slipping into focus when you drop your hand.

Test 4: To test for image resolution:

Start with the smallest objective you are considering – say 32mm. Compare several models. Which offers the sharpest view of these test questions?



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