



ADVANTAGES

- ✓ New fully multi-coated optics
- ✓ New enhanced light transmission coatings
- ✓ Phase correction
- ✓ Protective lens coating
- ✓ Waterproof, nitrogen-filled and unique hydrophobic coating
- ✓ Hybrid aspherical lens element
- ✓ Magnesium alloy construction

PENTAX

Sport Optics

Z-SERIES

ZD 8X43 WP
ZD 10X43 WP
ZD 10X50 WP

THE RUGGED MULTI -TALENT

Model	Art. Code	EAN
ZD 8X43 WP	62721	0027075288553
ZD 10X43 WP	62722	0027075288560
ZD 10X50 WP	62723	0027075288577

Magnification	8x	10x	10x
Objective lens diameter	43 mm	43 mm	50 mm
Type	Full-size Roof		
Lens Coating	New fully multi-coated optics, New enhanced light transmission coatings, Protective lens coating		
Prism	BaK4 with High Resolution Phase Correcting coating		
Twilight Factor	18.5	20.7	22.4
Field of View (at 1.000 m)	110 m	105 m	87 m
Close focus	2.0 m	2.0 m	3.5 m
Exit Pupil	5.4 mm	4.3 mm	5.0 mm
Eye Relief	22 mm	17 mm	22 mm
Eyecups	Multi-Stop Twist-Up		
Waterproof	Yes (JIS Class 6) – Nitrogen purged		
Tripod adaptor	With adapter TP-3 – PENTAX Code No. 69554		
Size (LxWxH in mm)	126 x 146 x 52	126 x 146 x 52	132 x 170 x 59
Weight (g)	695	710	840
Supplied accessories	Objective and eyepiece caps, case, strap		



ZD 8X43 WP ZD 10X43 WP ZD 10X50 WP

Z-series – This series is the flagship of the entire range, offering premium level quality and clarity, at a price that's within reach. The Z-series models are clearly built for critical observation. The new Full Multi-Coating and a new Enhanced Light Transmission Coating are designed to delight the most demanding users and inspire the most dedicated enthusiasts.

A hydrophobic, protective coating rounds off the outdoors applications.

This serie is an all-rounder! Rough and tough with an exceptional image quality, edge-to-edge sharpness, unsurpassed brightness & clarity and a resolution that will impress – especially under twilight conditions. What more could you ask for? We built this serie to weather all weather! The strong body is protected with a solid, green rubber armouring – the binocular can easily be handled when wearing gloves. To assure all-time functionality we have added a hydrophobic coating on all to-air exposed lenses – rain, fog, snow or even your own breath will no longer trouble your viewing.

Main Features

New Fully-multi-coated optics

Fully multi-coated lenses serve the essential purpose of maximizing the amount of light passing through a lens, thereby prevent flare and ghosting from interfering with your view. PENTAX applies multiple layers of coatings to every surface of every element and prism in the full Sport Optics line-up. These fully-multi-coated optics assure the maximum light transmission resulting in a clear, crisp view of the world.

New Enhanced Light Transmission Coatings

PENTAX binoculars take quality optics to the next level by applying a new, optimized film-deposition technology on lens and prism surfaces resulting in increased light transmission which creates bright images with accurate color rendition

Protective Lens Coating

All optical surfaces are delicate and must be handled with care to prevent scratching. To add to the durability of the Z- and S-series Water Proof binoculars*, PENTAX has added a protective, nano technology coating that helps deflect water, oil, dust and dirt. This allows PENTAX binoculars to withstand the harshest viewing conditions.

BaK4 prisms

Due to its outstanding refractive index, the BaK4 glass prism found in all PENTAX Sport Optics is highly acclaimed for its perfectly round exit pupil and clear, unvignetted image.

Phase Correction

The complex optical design of roof prism binoculars provide durable, compact, yet lightweight design but require a higher level of optical perfection. A phase-correction coating is applied in the full range of roof prism binoculars to maximize image viewing quality.

PENTAX Waterproofing

PENTAX waterproof products are fully sealed and purged with laboratory grade nitrogen to provide a fog proof view in the harshest weather conditions. With a JIS Class 6 rating, PENTAX waterproof binoculars can even be submerged in up to 3 feet of water.

Unique Hydrophobic Coating

Water droplets on a lens have a negative influence on the ability of light to enter the objective lens. By using a unique water repellent coating on all outer lenses we make water drops "bead" into small, deformed droplets. The deformed droplets cause less distortion and "slide" more easily off the lens. Your binocular remains fully functional even in rain, snow, fog or condensing breath.

Inner Focus Optics Design

This sophisticated optical design is critical to low-maintenance and long life guarantee. Exposure to airbourne particles and moisture is avoided, thereby ensuring that no outside influences can penetrate the housing and disrupt functionality.

Hybrid Aspherical lens elements

Edge-to-edge sharpness is a vital element to comfortable viewing. To achieve this, we utilise aspherical lens elements in our eyepieces. This is a specially shaped lens design that reduces aberration to a minimum. Hybrid-Aspherical lens elements have the additional advantage of superior functionality while being lightweight and compact.

Dielectric coating

Dielectric Coating of the prisms serves to enhance the colors of the image. Multiple layers of surface correction coatings are "vaporized" onto the surface of the prisms in a vacuum. This maximizes the quality of visible light in the color spectrum between infra-red and ultra-violet as it passes through the glass.

Nitrogen purged

Nitrogen is a chemical element and a colorless, odorless and tasteless gas. It contains very little humidity and is therefore used to "purge" binoculars and spotting scopes of the high humidity air that is part of our environment. Due to the low humidity factor, nitrogen prevents condensation from forming on the internal lenses of optical instruments during phases of rapid temperature change. Furthermore, because nitrogen is purged into the optical instrument at slightly above atmospheric pressure, dust and other miniscule particles are prevented from entering the housing.

Superb impact resistance

The body is made from magnesium, which adds toughness while keeping the binoculars light. In addition, the exterior rubber coating provides the binoculars with superb resistance to shocks and impacts.

Long eye relief design

The long eye relief offered in all PENTAX Sport Optics allows the viewer to see the entire field of view clearly and effortlessly. This is especially beneficial to eyeglass wearers, and allows viewing for extended periods of time without added eye strain.

Other Features

Helicoid four-stop eyepiece rings that permit fine adjustment for maximum viewing comfort.

Short minimum focusing distance for easy observation of nearby subjects.

Locking diopter adjuster guards against accidentally moving the diopter setting.