



A large-aperture and high-performance spotting scope, featuring the latest optics in a compact, portable body

	ART. CODE	EAN
SPOTTING SCOPE PF-85EDA	070970	0027075305328
SPOTTING SCOPE PF-85EDA KIT	070971	0027075305335
incl. SMC PENTAX ZOOM EYEPIECE 8-24MM		

Nature observation, and bird spotting in particular, is increasingly becoming a popular sport, offering a wide range of activities from animal observation to excursions to the stars. More and more often, the performance of binoculars is no longer sufficient. This is where PENTAX spotting scopes offer significantly extended fields of view and are able to show even the finest details sharply and with excellent contrast.

1. Bright, clear field of view

The PENTAX PF-85EDA features ED (Extra-low Dispersion) glass optical elements to effectively minimize chromatic aberrations, and the latest multi-layer coating process to drastically reduce reflectance when compared with conventional models. With the combination of a full multi-coating process applied to all optical elements and a phase coating process applied to the roof prism, this spotting scope delivers a clear, high-contrast field of view for high-quality observations.

2. Compact body for excellent portability

Despite its large, 85mm-diameter objective lens, this spotting scope is designed to be compact and highly portable, thanks to the incorporation of the latest optical design featuring a roof prism. This compact design makes it easy for the user to casually carry it to a destination, and also comes in handy in a variety of applications, including birdwatching, nature and astronomical observations, and score checking in archery contests.

3. Compatibility with a range of eyepieces

The eyepiece mount features an American-standard 31.7mm (1.25 inches) sleeve to accept a range of eyepieces, including the XF series specifically designed for PENTAX spotting scopes, and the XW series perfect for astronomical observation. This compatibility allows the user to choose the eyepiece that best accommodates a specific application.

4. Slanted-barrel design

The eyepiece section is slanted upward at a 45-degree angle, allowing the user to easily adjust the eye level and observe the subject in a natural, relaxed posture without the need to look up. This slanted-barrel design even allows the user to observe the subject over a long period of time in comfort while sitting in a chair.

5. Waterproofed for use in a rain

By inserting a dust-proof glass element in the eyepiece mount, the spotting scope is designed to be airtight for outstanding waterproof performance (equivalent to JIS Class 7; with water resistance to a depth of one meter*) for dependable use even in the rain or mist.

* This model cannot be used underwater.

6. Nitrogen-filled body for a clear field of view without fogging

The interior of this spotting scope is filled with nitrogen gas to prevent fogging caused by sudden temperature changes, assuring a clear field of view even in demanding weather conditions.

Included Accessories

- CASE 070972 | 0027075305342
- EYELENS CAP 070932 | 0027075048843
- LENS CAP O-LC86 031507 | 0027075293656

Kit Accessories

- SMC PENTAX ZOOM EYEPIECE 8-24MM 070509 | 0027075048737

Packaging

- DIMENSIONS: 545 x 220 x 175mm
(Width x Depth x Height)
- WEIGHT: 2870g / 3430g (Kit)

PENTAX PF-85EDa

MODEL	PF-85EDa > Kit Zoom Eyepiece 8.0–24.0
TYPE	Roof prism (45° tilted)
LENS CONSTRUCTION	5 elements in 4 groups, ED glass elements with 85mm effective aperture
ATTACHMENT DIAMETER	31.7mm (1.25 in.)
FOCUS RANGE	About 5m to infinity
EYEPIECE RING	Collet type
DIMENSIONS (H W D)	approx.347 x 116.5 x 101.8mm / approx.13.7 x 4.6 x 4.0in.
WEIGHT	approx.1,600 g / approx.56.5 oz.
WATERPROOF RATING	1m depth of water, Nitrogen filled
MAGNIFICATION	20x – 60x
REAL FIELD OF VIEW	1.9° – 1.0°
APPARENT FIELD OF VIEW	38° – 60°
FIELD OF VIEW AT 1000M	33m – 17m
FIELD OF VIEW AT 1000YARDS	99ft – 51ft
EXIT PUPIL APERTURE	4.3mm – 1.4mm
EYE RELIEF	18mm – 22mm
DISTANCE FROM EYEPIECE RUBBER IN PARENTHESSES	5mm – 9mm
RELATIVE BRIGHTNESS	18.1 – 2.0



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