

BINOCULARS

# KOWA BINOCULARS

Kowa's Binocular Technology Creates Irreplaceable Memories.

A Crystal Clear View of the World  
Always at Your Fingertips



**HIGH LANDER**

HIGH LANDER  
SERIES



**GENESIS/XD44**  
**SERIES**      **GENESIS/XD44**

# GENESIS/XD44 Series

\*GENESIS44 : for the USA and Japan, XD44 : for other countries



\*Image shown is actual size.

**High-End Binoculars with PROMINAR Lenses**  
The optical technology of the PROMINAR XD lens has been passed from spotting scope to binocular to bring the world of chromatic aberration free views to binoculars.



# The World of Binoculars Free of Chromatic Aberration High-End Model with 44mm PROMINAR XD Lenses



## PROMINAR XD Lens



This is the first Kowa full size binocular to use the PROMINAR brand name, utilizing four XD lenses. These high performance binoculars use the technology of the TSN-880/770 series spotting scopes and pair XD lenses with convex lenses made of glass with special dispersion properties to reduce chromatic aberration to a further degree. This advanced technology creates a bright image with high contrast and remarkable color reproduction that can not be duplicated by a normal achromatic lens.



GENESIS/XD44 PROMINAR  
8.5X44



GENESIS/XD44 PROMINAR  
10.5X44

## High Refractive Index Prism

The new prism system of the GENESIS/XD44 allows for a wide field of view and edge to edge sharpness with minimal loss of light. This high refractive roof prism (Bak4 + SK15) offers near total reflectance and when combined with Kowa's proprietary C<sup>3</sup> coating the ultimate viewing experience is achieved.

## Phase-Coated Roof Prism

The prism is phase-coated to ensure sharp images and outstanding contrast.

## Magnesium Alloy Body

The magnesium alloy body decreases the weight of the binocular while providing a rugged structure that can withstand the severest conditions.

## Close Focus of 1.7 m (5.5 feet)

Ideal for observation of plants, insects, and other objects within close range.

## Waterproof and Filled with Dry Nitrogen Gas

\*Not intended for underwater use.

## Diopter Lock

The diopter control is equipped with a locking mechanism that keeps the diopter from accidentally being changed.

## Filter Threads on the Objective Barrels

Filters can be attached in front of the objective lenses. (Filter Size: 46 mm)



XD Lens

## Kowa C<sup>3</sup> Coating

Kowa's roof prism binoculars use the Schmidt-Pechan prism. One surface of the Pechan prism does not provide total reflection, so we have applied a highly reflective multi-coating called C<sup>3</sup> coating. This allows for a higher reflectivity than with silver or optically enhanced aluminum, offering a reflectance of 99% or higher across the entire visible spectrum (400 to 700 nm). Not only does this provide bright and sharp images, but accurate color reproduction is also achieved. Furthermore, the roof prism of the Schmidt prism is phase coated to prevent the loss of contrast and image resolution.

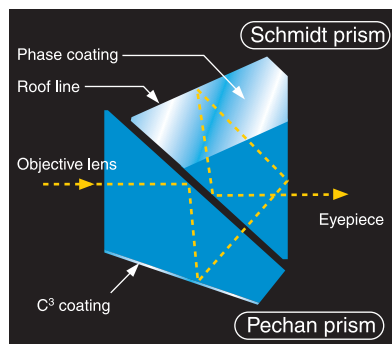


Fig.1 Prism Construction

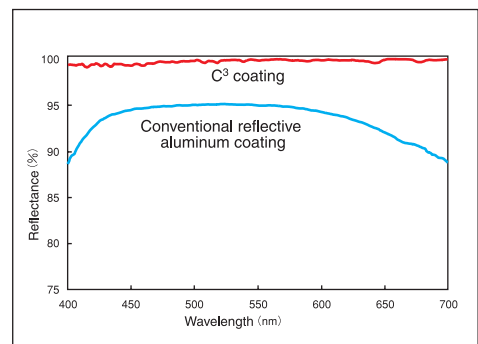


Fig.2