



TOTAL IMMERSION,
UNIQUE PERFORMANCE.



TE-80XW

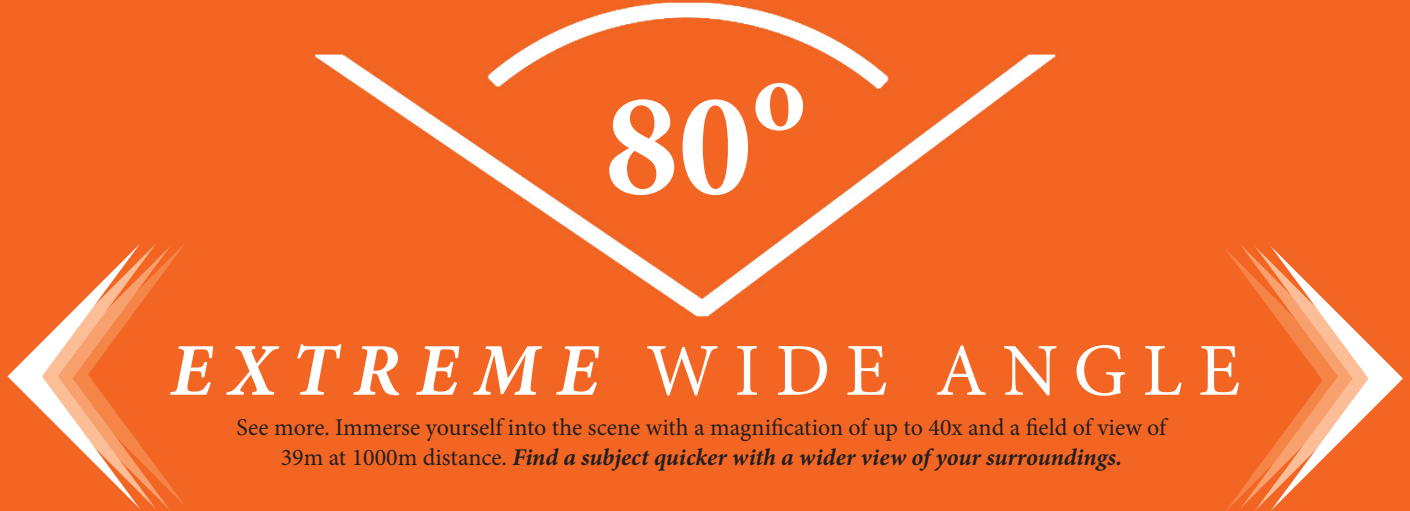


REDEFINING
WHAT IT IS
TO VIEW
NATURE.

TE-80XW



THE WIDEST FIELD OF VIEW
OF ANY SPORTING OPTIC*.



TSN-99 PROMINAR



TSN-880/770 PROMINAR

A true optical innovation. Kowa engineers have developed one of the most immersive visual experiences you can expect to see in a sporting optic device.

Featuring an advanced optical design, the view through Kowa TE-80XW can only be described as breath-taking.

We created an eyepiece with the widest field of view, an incredible 80 degrees.*



* Widest field of view in a sporting optic as of July 2021.

SPECIFICATION | TSN-99 PROMINAR

Magnification:	40x
Subjective field of view (degree):	80
Field of view at 1000m:	39m (1000yds /117ft)
Exit Pupil Diameter:	2.5
Relative Brightness:	6.3
Twilight Factor:	59.3
Eye Relief (mm):	17

Eyepiece specification when attached to Kowa TSN-99 PROMIANR series.

SPECIFICATION | TSN-880/770 PROMINAR

Magnification:	35x
Subjective field of view (degree):	80
Field of view at 1000m:	45m (1000yds /135ft)
Exit Pupil Diameter (880/770):	2.5 / 2.2
Relative Brightness (880/770):	6.3 / 4.8
Twilight Factor (880/770):	55.5 / 51.9
Eye Relief (mm):	17

Eyepiece specification when attached to Kowa TSN-880/770 PROMIANR series.

A TRUE OPTICAL INNOVATION.



The TE-80XW eyepiece is the evolution of over six decades of Japanese optical design and technology.

It utilizes the very best from our optical heritage and benefits from features, technology and engineering developed by generations of Kowa optical experts.



The TE-80XW extreme wide eyepiece is compatible with the Kowa TSN-99 PROMINAR and TSN-880/770 PROMINAR pure fluorite crystal spotting scopes. Perfect partners to enjoy the vibrancy of nature in the most incredible detail.

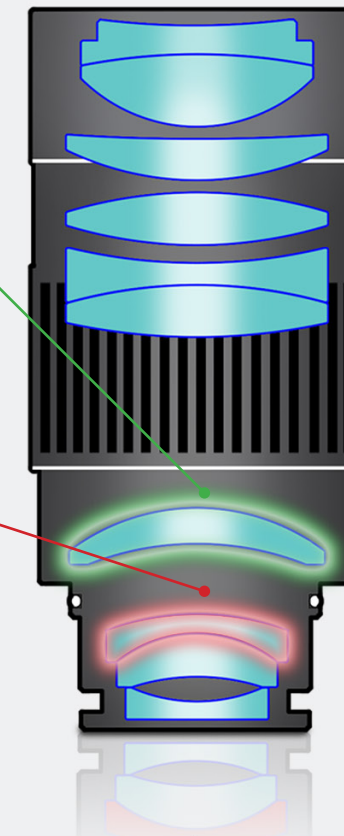


Field flattener lens

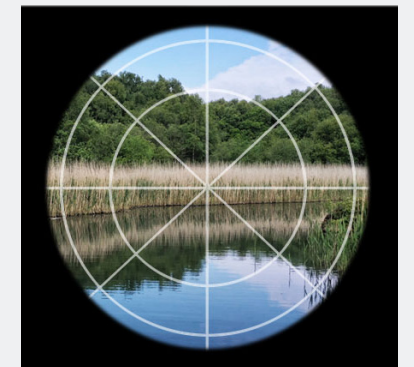
The optical design incorporates a field flattener lens maintaining a flat resolution throughout the entire 80 degree field of view.

XD lens

A Kowa XD lens is utilized to minimize chromatic aberration.



Both the field flattener and XD lens combine to produce a view that is completely uniform and ultra sharp across the entire image.



FULLY PROTECTED.

The Kowa TE-80XW is 100% waterproof and sealed to protect against the elements.

Use it with absolute confidence in the harshest of environments.

Kowa's unique KR coating is applied to the lens with enhanced protection against dirt, moisture and dust.



DIGISCOPING GAMECHANGER.



Experience the best of both worlds with an eyepiece *designed for optimum viewing with the human eye as well as digital cameras/smartphones for digiscoping.*

Not only does the eyepiece offer the widest field of view for any spotting scope delivering one of the most engaging, true to life and comfortable views on the eye, now you can experience a new level of creativity when you attach a smartphone or digital camera with zero vignetting giving you ultimate control of your image.

Example of vignetting effect when attaching most smartphones to a spotting scope



Vignetting with standard eyepiece



Zero vignetting with Kowa TE-80XW



We created an eyepiece to take your digiscoping to the next level. **No more cropping or digitally zooming** and degrading image quality. The TE-80XW gives you total creative freedom **completely eliminating vignetting** and free from chromatic aberration.

Now you can decide how to compose your image.

The TE-80XW is compatible with our huge range of Kowa smartphone adapters as well as our range of easy to use digiscoping adapters for DSLR and compact system cameras.

WIDE. BRIGHT & EXTRA POWERFUL. SYSTEM



64x
TSN-99
PROMINAR

56x
TSN-880/770
PROMINAR



The eyepiece is 100% compatible with **Kowa System** accessories.

For long range applications and an extra powerful view that still remains wide angle and bright, simply combine the eyepiece with the Kowa TSN-EX16 1.6x extender and enjoy **64x magnification***

The flexibility and cross compatibility that **Kowa System** offers means you can add our range of smartphone and digital camera adapters whilst still using the 1.6x extender for even greater telephoto reach.

64x magnification when paired with TSN-99 series. 56x when paired with TSN-880/770 series.



THE COMBINATION OF TSN-EX16 & TE-80XW DELIVERS ONE OF THE MOST POWERFUL, WIDE AND BRIGHTEST VIEWS OF THE NATURAL WORLD.

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