

Z6 – 2nd GENERATION

THE ORIGINAL. PERFECTED



SEE THE UNSEEN
WWW.SWAROVSKIOPTIK.COM



SWAROVSKI
OPTIK



Wherever you go stalking - on a driven hunt, a game safari or from a hide in the woods - the new Z6(i) with its perfected product features is a sure and superior partner for that decisive moment.

WHEN SECONDS ARE CRUCIAL

Great hunting is being at one with nature. Experiencing the difference between animal behaviour and its habitat, alternating between dusk and dawn, traversing a mountainous terrain or an open field. Hunting is a challenge in itself. But one important thing never changes. What the eye sees. Only precise optics enable us to focus on what is essential: the wild game. And allow for a sure shot.



SEE MORE. IN ANY SITUATION

The Z6(i) has set new standards for the rifle scope market: concealed beneath its elegant exterior is state-of-the-art technology, which has revolutionised the practical benefits of the rifle scope. The precision optics of the Z6(i) offer uncompromising optical clarity. The larger zoom range, the optionally illuminated or non-illuminated reticle and the larger eye relief ensure more flexibility, higher precision and higher safety during the hunt. Since its launch, more than 100,000 hunters worldwide rely on the Z6(i) – for any situation.



4x Zoom



Schematic representation



6x Zoom



LOW MAGNIFICATION

Widest angle

HIGH MAGNIFICATION

More detail

WHAT ARE THE ADVANTAGES OF 6x ZOOM?

Zoom describes the adjustable magnification range in optical instruments. The greater the zoom factor, the greater this range. The lowest magnification is characterised by a large field of view, while the highest magnification enables razorsharp target acquisition. With a 6x zoom, therefore, you have the best of both worlds: the largest possible field of view combined with the finest possible detail achievable with a zoom rifle scope.

6x ZOOM 2ND GENERATION

Producing the best optics requires a high level of experience and technological expertise. This means that technical developments such as extending the zooming range will not affect the core function or compromise the excellent optical quality of a rifle scope.

MORE ELEGANT AND SMARTER

The new Z6(i) offers the same unequalled precision, flexibility and safety typical for all previous Z6(i) models. Its understated elegance and enhanced practical functionality are new: The slimmer and lower design of the illumination unit is even better suited to a wider choice of hunting weapons. Other new features support the hunter and allow for an easier and more convenient operation of the Z6(i).

NEW ELEGANT DESIGN

Slim, low form of illumination unit

NEW OPTIMISED HANDLING

Locking mechanism for Ballistic Turret
Parallax turret with lock-in position at 100 m (109yds) mark
Handy magnification adjustment ring



NEW SWAROLIGHT

Automatic shut-off with inclination sensor for reticle with illumination
Optimised electronics for longer battery life

PROVEN OPTICAL STRENGTH

50 % larger field of view range*
50 % larger magnification range*
19-50 % greater eye relief*

* Percentages refer to a similar rifle scope with 4x zoom and 80 mm exit pupil distance

NEW

SWAROCLEAN

SEE BETTER. AIM PERFECTLY

Good quality becomes even better: the controls of the illuminated reticle are simple, quick and noiseless to use in firing position. The enhanced High Grid technology ensures optimum brightness – in daylight and at night. The illuminated reticle is getting smart: With the new SWAROLIGHT technology, there is no necessity to remember to switch it on or off – you can simply focus on hunting. The new and slim form of the illumination unit gives you an unrestricted view across the rifle scope and onto its controls.

NEW EVEN SLIMMER DESIGN FOR UNRESTRICTED VIEW

More streamlined for a clearer view of the controls due to new design of the reticle illumination module.

AUTOMATIC SHUT-OFF

The automatic shut-off function differentiates between day and night mode (3 hours during the day and 5 hours at night) and prevents the batteries from being discharged unintentionally. The new SWAROLIGHT technology optimises economical use of battery.

EXTENDED BRIGHTNESS CONTROL

From sunshine and snow to darkness at night: there are 64 different brightness levels to choose from for all lighting conditions while hunting.



NEW OPTIMISED DAY/NIGHT SWITCH

Clearly switches between day and night settings and continuously displays the selected mode. The newly constructed switch prevents unintentional switching on of the reticle.

MEMORY-FUNCTION

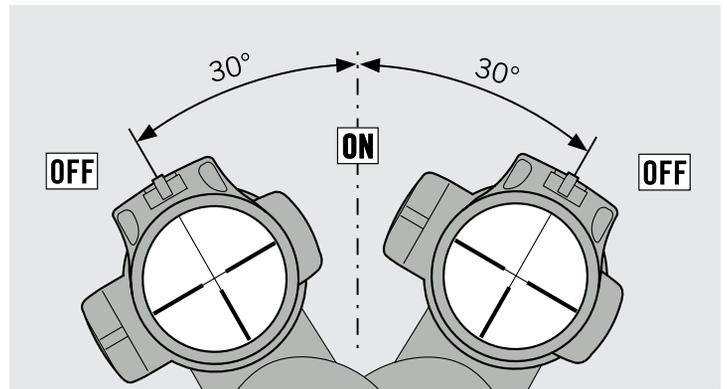
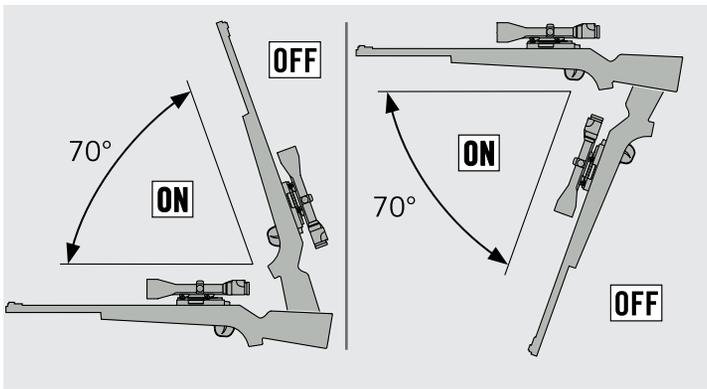
With two memory cells, one each for day and night use. The last brightness level selected is automatically available and appropriately set the next time the unit is switched on.

STURDY

A sturdy and water resistant aluminium housing protects the in-built illumination unit on the eyepiece.

READY FOR USE. WHEN THE MOMENT IS RIGHT!

An illuminated reticle that foresees your next move: with the new SWAROLIGHT technology, the reticle is switched on when you move into firing position, saving time and energy. You can now focus on important hunting matters.



NEW SWAROLIGHT – SMART ILLUMINATION

An automatic switch-on and switch-off feature recognises via an inclination sensor whether the rifle scope is in shooting position. When the weapon is not in the firing position, the illuminated reticle automatically switches off.

When moving into a shooting position, the illuminated reticle is immediately ready for use thanks to SWAROLIGHT. You can now simply focus on your target. SWAROLIGHT works on any weapon. You can also shoot without the reticle being illuminated.

The use of state-of-the-art electronics not only saves energy but also considerably increases the operating life of the battery. During the night from 450 to 1,400 hours and during the day from 120 to 180 hours.





SHARPER IMAGE FOR GREATER ACCURACY



Left image without fluoride-containing HD lenses;
right image with: colour fringing can occur without HD lenses

HIGH DEFINITION – FOR MAXIMUM CONTRAST

Our HD optics are characterised by fluoride-containing lenses for lifelike colour reproduction. This enables maximum colour fidelity and leads to a significant improvement in resolution and contrast. This is beneficial particularly during adverse lighting conditions and when shooting at great distances. To see more clearly translates into more accurate hits.

MODELS WITH HD OPTICS

Z6(i) 2.5-15x44 P (BT), Z6(i) 2.5-15x56 P (BT),
Z6(i) 3-18x50 P (BT), Z6(i) 5-30x50 P (BT)

PRECISION AT CLOSE RANGE

PARALLAX TURRET



SIMPLE AND RAPID

As a rule, rifle scopes are adjusted to be parallax-free at 100m (109yds) so that, at this distance, the target observed through the rifle scope and the reticle are located in the same plane. At longer distances, the target is not displayed in the same plane as the reticle. Aiming errors may occur if the hunter fails to look exactly through the centre of the eyepiece.

The parallax may affect the impact point particularly in the case of high-magnification rifle scopes, which are frequently used for long-range shooting. For this reason, the high-magnification models are fitted with a lateral parallax turret. This ensures a parallax-free image even at longer distances. The parallax turret can be operated quickly even in the firing position.

NEW PARALLAX TURRET WITH LOCK-IN POSITION

Using the lock-in position at the 100m (109yds) mark, the parallax turret is easy to adjust – particularly at dusk or dawn. You can lock and adjust the parallax turret for typical parallax correction at 100m (109yds) simply by feel.

MODELS WITH PARALLAX TURRET

Z6(i) 2.5-15x44 P (BT), Z6(i) 2.5-15x56 P (BT),
Z6(i) 3-18x50 P (BT), Z6(i) 5-30x50 P (BT)

FOR BETTER IMPACT AT A DISTANCE

BALLISTIC TURRET WITH LOCKING MECHANISM



Firearms, ammunition and optical instruments have become far more accurate in recent years, making long-distance shooting technically feasible. Nevertheless, the requirements on the hunter are high and, in addition to accurate rangefinding, this calls for solutions that provide an accurate aiming point to enable precise long-range target shots. The SWAROVSKI OPTIK Ballistic Turret (BT) allows you to “stay on target” when shooting at different ranges.

SIMPLE, ACCURATE AND PRACTICAL

You can assemble the Ballistic Turret yourself in a few easy steps and adjust it accurately to your weapon. You can change the distances selected yourself at any time. There are other distance settings available in addition to the four distances marked. Use our own specially developed Ballistic Programme to calculate the necessary settings (number of clicks) for the ranges you require. The alignment knob on the Ballistic Turret indicates whether or not you are using the base zero. You can also locate this quite easily in twilight.

NEW BALLISTIC TURRET WITH LOCKING MECHANISM

A locking mechanism at the base of the Ballistic Turret prevents it from being accidentally turned – this ensures that the Ballistic Turret only rotates under your control.

MODELS WITH BALLISTIC TURRET

Z6i 1.7-10x42 BT, Z6(i) 2.5-15x44 P BT, Z6i 2-12x50 BT
Z6(i) 2.5-15x56 P BT, Z6(i) 3-18x50 P BT, Z6(i) 5-30x50 P BT
The Ballistic Turret can also be factory fitted retrospectively on all of the above models.

Detailed assembly instructions (3D animation) and our ballistics programme are available at: WWW.SWAROVSKIOPTIK.COM/bt



SEE IT ALL

Narrow forest rides, dense bush and rugged terrain: on a drive, stalk or safari, it is necessary to keep track of things. The superior field of view ensures that you grasp a situation instantly. At the same time, the 6x zoom allows for precise shooting at longer distances. Specific Z6(i) models offer the best prerequisites for that.

Z6(i) 1-6x24 – DRIVEN HUNTING AND DANGEROUS GAME SPECIALIST

With an impressive 42.5 m (127.5 ft) field of view, you will certainly have the edge over others, especially when hunting moving targets – and the 6x magnification supports rapid, accurate target acquisition both within narrow forest aisles and glades.

Available reticles: 4-I, CD-I, LD-I, 4



Z6(i) 1.7-10x42 (BT) – IDEAL FOR ALL TYPES OF HUNTING

This rifle scope, designed for use with all-round rifles, especially lightweight stalking and mountain rifles, offers the widest ever range of use and is perfect for driven hunting in forest, field and mountain alike.

Available reticles: 4A-I, 4A-300-I, CD-I, 4A



Z6i 1-6x24 EE* – LARGE EYE RELIEF PERFECT ON SAFARI

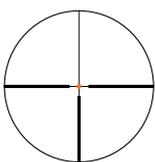
The perfect companion for large calibre rifles, with sufficient magnification capacity for driven hunting and dangerous game: long-range observation in dense bush with sufficient magnification in reserve for hunting in wide open spaces, such as antelopes on the savannah. The eye relief (12 cm), which has been extended even further in this model, offers additional safety for very strong recoil. Consequently, the Z6i 1-6x24 EE* offers one of the largest eye relieves available on the rifle scope market.

Available reticles: 4-I, CD-I

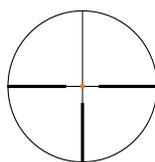


*EE = Extended Eye relief to 120 mm

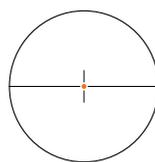
RETICLES



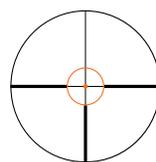
4-I



4A-I



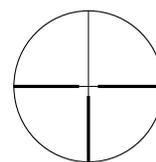
LD-I



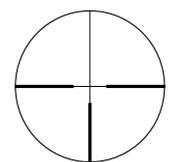
CD-I



4A-300-I



4



4A

A wide choice of time-tested reticles in the second image plane let you choose a Z6(i) that meets your own personal requirements.

The ballistic programme for the various distance reticles are available at: WWW.SWAROVSKIOPTIK.COM/ballisticprograms



SUPERIOR. ANYWHERE

When stalking, in the hide or at driven hunts – that decisive moment is governed by many variables depending on season, lighting conditions, time of day and the chosen wild game. With the new Z6(i) models, you will find first-class all-rounders, which serve you faithfully in any imaginable hunting scenario and which provide you with the optical advantage at any time for successful hunting.

Z6(i) 2-12x50 (BT) – THE PERFECT ALL-ROUNDER

This universal rifle scope provides you with a reliable twilight scope for any terrain, which is just as able to cope with hunting moving targets in woodland as it is with extremely long shots in open fields.

Available reticles: 4A-I, 4A-300-I, BRX-I, 4A, 4A-300



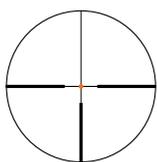
Z6(i) 2.5-15x56 P (BT) – THE BRIGHT ALL-ROUNDER

This rifle scope is specifically designed to give excellent light-gathering qualities when light conditions are poor. The 6x zoom offers an effective range of use from a field of view suitable for driven hunting through 15x magnification, which is particularly advantageous for accurate long-range shots. The HD optics and lateral parallax correction give you a highly accurate image at any distance.

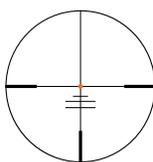
Available reticles: 4A-I, 4A-300-I, BRX-I, 4A, 4A-300



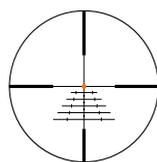
RETICLES



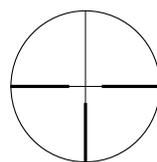
4A-I



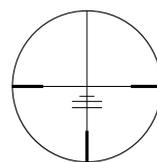
4A-300-I



BRX-I



4A



4A-300

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DISTANCE TURNS INTO DETAIL

When shooting at long distances, every hunter needs to rely not only on his expertise and experience – but also on his equipment. Long-range shots are particularly challenging for the precision and optical perfection of any rifle scope. These three Z6(i) models, especially developed with this in mind, offer the perfect solution.

Z6(i) 2.5-15x44 P (BT) – THE CHOICE WHEN HUNTING OVERSEAS

With this slim rifle scope, devotees of short, easy to manage weapons need compromise no more. The 15x magnification with parallax correction and HD optics provides the hunter with the necessary reliability for shots at long distances. Particularly suitable for difficult, rough terrain or when hunting abroad where weight and distance often play a decisive role. Available reticles: 4A-I, BRX-I, 4A



Z6(i) 5-30x50 P (BT) – PRECISION OVER VAST DISTANCES

Small aiming dot size of reticle, 30x magnification, lateral parallax turret and HD optics are the big advantages of this specialist for vast distances. For perfect aiming, you need to see precisely. Available reticles: 4A-I, 4A-300-I, BRX-I, Plex, BRH

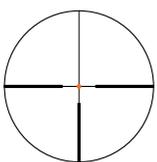


Z6(i) 3-18x50 P (BT) – THE LONG-RANGE EXPERT

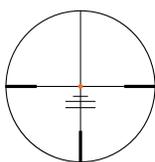
The 18x magnification is perfect for acquiring very distant targets. This magnification, combined with the new, lateral parallax correction and HD optics, make the rifle scope perfect for long-range hunting. The 3x magnification also offers you the assurance of a large field of view. Available reticles: 4A-I, 4A-300-I, BRX-I, 4A-300, Plex



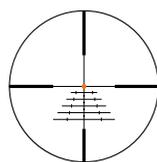
RETICLES



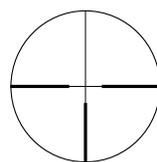
4A-I



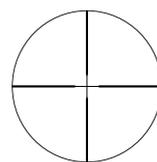
4A-300-I



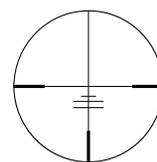
BRX-I



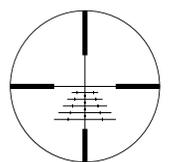
4A



Plex



4A-300



BRH

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The ballistic programme for the various distance reticles are available at: WWW.SWAROVSKIOPTIK.COM/ballisticprograms

THE Z6(i) AT A GLANCE

OPTICS

- 6x zoom in a 30mm central tube
- Outstanding field of view
- Centred reticle in the second image plane: the target is enlarged while the reticle remains the same size
- Dioptic compensation
- Microstructure grooves for high efficiency baffling prevent residual reflections inside the tube for crystal clear, high-contrast images, even in intense light
- Eye relief increased from 95 mm to 120 mm (in Z6i 1-6x24 EE) for greater safety
- HD technology for models with 15x magnification
- Ultra-precise adjustment turrets and guaranteed shock resistance, even with high calibre firearms
- High Grid technology
For even greater clarity and sharper delineation in the reticle of illuminated rifle scopes: even illumination for perfect reticle visibility, maximum brightness in daylight and high-precision control into the night
- **NEW** SWAROCLEAN
This non-stick coating on the lenses makes it easier to clean away dirt such as water marks, insect repellents, or tree resin.
- **NEW** Parallax correction with lock-in position at 100 m (109 yds)

FEATURES

- Quadratic or rectangular range of adjustment for full range of elevation/windage, even in the marginal areas of the adjustment range
- Zero-point adjustment without tools
- Sturdy, lightweight main tube – also available with SR mounting rail (except for: non-illuminated Z6 models, Z6i 1-6x24 EE, Z6(i) 5-30x50 P)
- Watertight to a depth of 4 m (13 ft) (0.4 bar) – filled with nitrogen
- **NEW** SWAROLIGHT
Automatic shut-off with inclination sensor for illuminated reticles, optimised electronics for higher battery life
- **NEW** Optimised, slimmer illumination unit for unrestricted view
- **NEW** Ballistic Turret with locking mechanism
- **NEW** Handy magnification adjustment ring

SUPPLIED WITH

- Transparent protective caps
- Z6i: incl. battery for reticle illumination, spare battery holder plus spare battery and coin opener

ACCESSORIES

- SG Scope Guard



For detailed information, 3-D animations and tips, refer to:
Z6.SWAROVSKIOPTIK.COM

TECHNICAL DATA

Functional temperature: -20 °C/+55 °C (-4 °F to +131 °F) · Storage temperature: -30 °C/+70 °C (-22 °F to +158 °F) ·

Submersion tightness: 4 m / 13 ft water depth (filled with nitrogen) · Parallax-free at 100 m / 109 yds (exception: models with parallax turret)

										
		Z6/Z6i 1-6x24	Z6i 1-6x24 EE	Z6/Z6i 1.7-10x42	Z6/Z6i 2-12x50	Z6/Z6i 2.5-15x44 P	Z6/Z6i 2.5-15x56 P	Z6/Z6i 3-18x50 P	Z6/Z6i 5-30x50 P	
Magnification		1-6x	1-6x	1.7-10x	2-12x	2.5-15x	2.5-15x	3-18x	5-30x	
Effective objective lens diameter (mm)		9.6-24	10.9-24	16-42	19.3-50	24.2-44	24-56	29-50	48.2-50	
Exit pupil diameter (mm)		9.6-4	10.8-4	9.6-4.2	9.6-4.2	9.5-2.9	9.5-3.8	9.5-2.8	9.5-1.7	
Exit pupil distance (mm) (Eye relief)		95	120	95	95	95	95	95	95	
Field of view (m/100 m / ft/100yds)		42.5-6.8 127.5-20.4	33.5-5.4 100.5-16.2	25.2-4.2 75.6-12.6	21-3.5 63-10.5	16-2.7 48-8.1	16.5-2.7 49.5-8.1	13.3-2.2 39.9-6.6	7.9-1.3 23.7-3.9	
Field of view (degrees)		23.8-3.9	18.9-3.1	14.3-2.4	11.8-1.95	9.2-1.5	9.4-1.5	7.6-1.3	4.5-0.75	
Field of view, apparent (degrees)		23.4	18.8	23.7	23.4	23.3	23.2	22.8	22.8	
Dioptric compensation (dpt)		-3 to +2	-2.8 to +1.8	-3 to +2	-3 to +2	-3 to +2	-3 to +2	-3 to +2	-3 to +2	
Light transmission (%)		90	91	90	90	90	91	90	90	
Twilight factor acc. to DIN 58388		2.8-12	2.8-12	4.7-20.5	5.7-24.6	7.1-25.7	7.1-29	8.5-30	14.1-38.7	
Impact point corr. per click (mm/100 m / in/100yds)		15 0.54	15 0.54	10 0.36	10 0.36	10 0.36	10 0.36	5 ¹ 0.18 ¹	5 ¹ 0.18 ¹	
Max. elevation/windage adjustment range (m/100 m / in/100yds)		2 72	2.1 75.6	1.5 54	1.5 54	1.8/1 64.8/36	1.8/1 64.8/36	1.8/1 64.8/36	1.2/0.7 43.2/25.2	
Parallax correction (m / yds)		-	-	-	-	50-∞ 55-∞	50-∞ 55-∞	50-∞ 55-∞	50-∞ 55-∞	
Objective filter thread		M 27x0.75	M 27x0.75	M 44x0.75	M 52x0.75	M 46x0.75	M 58x0.75	M 52x0.75	M 52x0.75	
Length (mm / in) non-illuminated / illuminated		293/296 11.54/11.65	-/315 -/12.40	321/324 12.63/12.75	340/343 13.38/13.50	356/359 14.02/14.13	364/367 14.33/14.45	381/384 15/15.12	395/398 15.55/15.67	
Weight (g / oz)	L	Non-illuminated/ illuminated	420/440 14.8/15.5	-/430 -/15.2	470/490 16.6/17.3	520/540 18.3/19	555/575 19.6/20.3	635/655 22.4/23.1	595/615 21/21.7	600/620 21.2/21.9
	SR	Non-illuminated/ illuminated	-/460 -/16.2	-	-/500 -/17.6	-/550 -/19.4	-/590 -/20.8	-/665 -/23.5	-/635 -/22.4	-
Central tube diameter (mm / in)		30 / 1.18	30 / 1.18	30 / 1.18	30 / 1.18	30 / 1.18	30 / 1.18	30 / 1.18	30 / 1.18	
Reticles	Non-illuminated	4 ²	-	4A ²	4A ² ,4A-300 ²	-	4A ² ,4A-300 ²	4A-300 ²	BRH ² , Plex ²	
	Illuminated	4-I, CD-I, LD-I	4-I ² , CD-I ²	4A-I, CD-I, 4A-300-I	4A-I, BRX-I ² , 4A-300-I	4A-I ² , BRX-I ²	4A-I, BRX-I, 4A-300-I	4A-I ² , BRX-I ² , 4A-300-I ²	4A-I ² , BRX-I ² , 4A-300-I ²	
Reticles with Ballistic Turret		-	-	4A-I	4A-I	4A ² , 4A-I	4A ² , 4A-I	Plex ² , 4A-I	Plex ² , 4A-I ²	
Illumination unit	Brightness levels	Night: 0 - 32 / Day: 33 - 64								
	Operating time (h)	Night factor at medium brightness: 1.400; daylight factor at medium brightness: 180								

L = Light alloy · SR = Light alloy with SWAROVSKI OPTIK Rail · P = Parallax turret · ¹ for models with BT 10 mm/100 m (0.36 in/100 yds) ·

² Only available in L version



EN 01/2012 We reserve the right to make changes regarding design and delivery. We accept no liability for printing errors.

For further information, please contact:



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