



NACHTSICHTTECHNIK
JAHNKE

HUNT AT NIGHT.
SEE LIKE IN DAYTIME.

THE DARKNESS SHARPENS OUR SENSES:
OUR HEARING PICKS UP EVERY CRACK
OF A TWIG. THE SCENT OF THE FOREST
SEEMS MORE INTENSE. THE CLOSENESS
OF THE GAME CAN LITERALLY BE FELT. IN
THIS BROCHURE, WE WOULD LIKE TO GIVE
YOU A BETTER UNDERSTANDING OF HOW
NO DETAILS REMAIN HIDDEN FROM YOUR
EYES EVEN IN THIS SITUATION.

BECAUSE, AS A LEADING SUPPLIER
OF NIGHT VISION TECHNOLOGY IN THE
ABSOLUTE PREMIUM SECTOR, WE MAKE
NO COMPROMISES ON QUALITY – SO
THAT WHAT IS CONCEALED BECOMES
VISIBLE EVEN IN THE MOST DIFFICULT
CONDITIONS.



WE MAKE
QUALITY VISIBLE.

MADE IN GERMANY

What sets our night vision devices apart? And what makes them the reference in the premium sector? It is the mission to offer you the ultimate in performance and reliability. The care that we take to optimise all the components. The experience that goes into each of our devices. And last but not least, the conviction that manufacturing quality and the “Made in Germany” promise cannot be replaced by anything. But the best thing is to see this for yourself. And to experience with your own senses what makes our devices so special.

WE SET WORLDWIDE STANDARDS.
SO THAT NOTHING ESCAPES YOU
IN YOUR TERRITORY.



THE GREATEST BOOST FOR YOUR HUNTING OPTICS. DJ-8 NSV COMPACT 1×48 AND 1×56



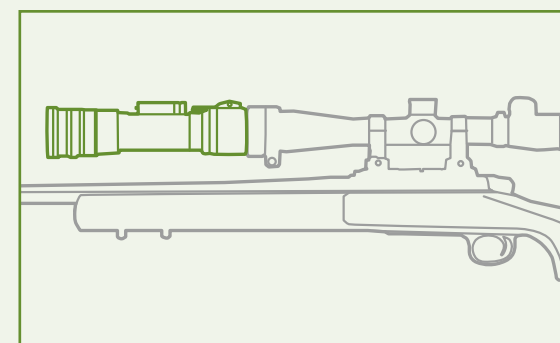
Afford no weaknesses: the world's first and only high-performance lenses made of magnesium, high-quality image intensifier tubes by Photonis and years of experience – that is what makes up our new night vision devices, the DJ-8 NSV compact 1×48 and the even higher performance DJ-8 NSV compact 1×56 model. For maximum light intensity with minimum dimensions – developed and produced in Germany.

When you go on the hunt at night, as an experienced hunter, you know what it comes down to: unbeatable precision, sharp vision and the right balance.

Our latest night vision attachments in the DJ-8 NSV compact series combine these properties in a quality that sets standards worldwide.

Standards in terms of precision, because as the first civilian German night vision attachments, they can make use of up to 20× magnification without restriction. And standards in terms of balance, because they feature the world's first serially produced magnesium lenses in this class.

The DJ-8 NSV compact series not only improves light at night, but also your equipment. Whether combined with your daytime lenses or with your telescopic sight when hunting abroad. These night vision attachments are made for hunters who know what is important.



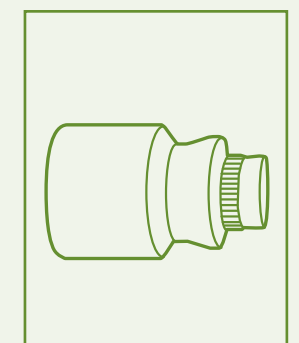
DJ-8 NSV IN USE

Thanks to its extremely lightweight design, the DJ-8 NSV never sets you off your normal balance.



ADAPTER RING

Ensures unbeatably fast assembly.



OPTICS UNIT

Enables flexible use on its own, even without telescopic sight.

THE EYE IS A PERFECT CREATION.
THAT IS WHY IT DESERVES
THE BEST HELP.



EXPERIENCE PERFECTION TIMES TWO: THE DJ-8 TWIN.

INTEGRATED IR SUPPORT

- PHÖNIX 5 Ultra included in delivery
- Additional improvement of the image quality



TWO IMAGE INTENSIFIER TUBES

- Two brand-new, perfectly matched image intensifier tubes of type GEN-2S-XX1441, SUPER-GEN®, HYPER-GEN® or ONYX®
- Uniquely three-dimensional viewing experience

LIGHTWEIGHT, COMPACT DESIGN

- Length: from 14 cm
- Weight: from 850 g (in the basic version)
- Ultralight magnesium lenses (for the models 5×56 and 7.5×56)

A pitch-black night. You are sitting on your raised hide and hear the sounds of a pack of wild boar. Yet you see nothing. It is moments like these that make our night vision devices such valuable companions. The groundbreaking technology can easily be explained: with our devices, you always have your personal 'hog light' with you.

Our DJ-8 Twin can be described an absolute king on the hunting ground. Because this device provides a viewing experience that you will not find anywhere else. For cost reasons, with binocular night vision devices it is normal to only use one image intensifier tube and to divide the image across two oculars using several prisms. Yet not only does this system mean a considerable loss in quality, but genuine three-dimensional vision is not naturally possible this way.

The DJ-8 Twin supplied by us is one of the very few devices on the market that works with two

image intensifier tubes and is designed on the basis of two individual DJ-8 monoculars. Doing without prisms achieves an image quality that cannot be produced by binocular devices working with the single-tube system. At the same time, the uniquely three-dimensional and natural viewing experience enables distances to be correctly estimated at night. Together with the 2.7× magnification, it soon becomes clear why the DJ-8 Twin is the king on the hunting ground.

The basic version of the DJ-8 Twin weighs a mere 850 grams despite its dual design. And it shows that outstanding technology does not have to carry a lot of weight. Hunting is therefore made easier for you without weighing down your equipment.

Every DJ-8 Twin includes IR support in the form of a PHÖNIX 5 Ultra. You can therefore rely on outstanding image quality, even in the most difficult operating conditions.



It is our philosophy to develop the most effective night vision devices – not the cheapest. The DJ-8 is the follow-up model to the well-known and very successful Viper night vision device (DJ-3). It was not easy to improve this residual-light amplifier, which became a reference device in specialist circles.

Nevertheless, the numerous new features are not superficial, but substantial: we have significantly developed all the key components to a new level. In this respect, the groundbreaking technology and high image quality astound even those who are used to the best.

1. THE OCULAR

The company Nachtsichttechnik Jahnke is the first manufacturer to have produced civilian night vision devices with so-called spacing oculars. Having a possible gap to the eyes of more than 6 cm not only achieves a more comfortable image, but also reduces misting on the ocular. A spacing ocular is also especially important when the device is intended for hunting abroad. For the DJ-8, this ocular was considerably improved a step further. In addition to the benefits mentioned, it also has much better magnification whilst maintaining the same image quality.

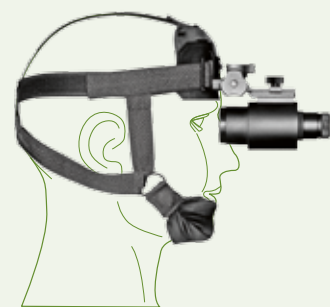
2. THE LENS

The company Nachtsichttechnik Jahnke takes an exceptional position regarding the lens as

well, as we are the only civilian manufacturer in Germany that has special IR lenses produced for it. The lenses used for the DJ-8 have also been completely redeveloped. They are distinguished not only by a very high light quality, but are also IR-corrected. That means that the infrared light, which is so important for night vision devices and is present at night, is not 'swallowed' like it is by normal lenses, but instead is directed to the image intensifier to a high degree. A particularly clear and high-contrast image is thus ensured.

3. THE IMAGE INTENSIFIER TUBE

The image intensifier tube is at the heart of any night vision device. We only use brand-new image intensifier tubes made by Photonis, which currently guarantee the highest resolutions, because it all comes down to the details. What's more, these image intensifiers have an excellent signal-to-noise ratio and a high IR sensitivity level. The DJ-8 thus offers sophisticated technology and proven perfection – as can be expected from a quality product made in Germany. The long lifespan particularly of the SUPER-GEN®, HYPER-GEN® and ONYX® image intensifier tubes, which are seven times superior to those of the second generation, makes this residual light amplifier a purchase for life.



COMFORTABLE HEADSET

Observe in relaxed style and keep both hands free at the same time – no problem with our comfortable headset. The night vision device can also be simply flipped up if necessary. Thus you always have everything in your sight – and in your hands.

ARE YOU LOOKING FOR A DEVICE FOR HUNTING WILD BOAR? YOU WILL FIND THE TOP DOG WITH US: THE DJ-8 MONOCULAR.

STURDY ALL-METAL DESIGN

- Extremely durable
- For the harshest operating conditions
- Handy and compact

IMAGE INTENSIFIER TUBE

- Only brand-new image intensifier tubes of the type SELECTED TUBE-XX1441, SUPER-GEN®, HYPER-GEN® or ONYX®, which have been optimised according to our specifications
- Extremely high light quality and long-lasting
- Ultimate shock resistance



LENS

- Specially developed according to our specifications
- Very high light quality
- Infrared-corrected

THE OCULAR

- Special finish
- Comfortable observation even over long periods
- High-contrast image

ALSO WITH 25 MM LENS

The DJ-8 monocular can also be used with a 25 mm lens.



UNIQUE SHOCK RESISTANCE, LIGHT QUALITY
AND DURABILITY: **THE ONLY WAY TO SURVIVE
OUR QUALITY CHECK.**



It all comes down to the inner qualities. That is especially true of night vision devices, because the built-in image intensifier tubes are critical for their overall performance. Below we would like to introduce you to the models used by us along with their special features. They all have one thing in common, however: they are optimised according to our requirements and are guaranteed new from the factory.

YOU WILL BE THRILLED BY THE DIFFERENCE. THE WILD BOAR PROBABLY LESS SO.

With the following comparative images, we want to show you the performance of the image intensifier tubes used by us. Even if these images only provide an initial impression, one thing is clear: with our devices, you have your wild boar simply better in your sights.

SELECTED TUBE



HIGH-PERFORMANCE SUPER-GEN®



HIGH-PERFORMANCE HYPER-GEN®



ONYX®



No matter which image intensifier tube you opt for, you will always choose maximum quality. After all, in our night vision devices we only fit brand-new image intensifiers made by the leading manufacturer, Photonis.

SELECTED TUBE

In our entry-level models of the DJ-8, we only use brand-new SELECTED TUBE image intensifier tubes of type XX1441 and XX2015 manufactured in western Europe. Thanks to this guarantee, you have a night vision device that is considerably superior to models offered by other suppliers. They work mainly with used image intensifier tubes. To put it plainly, this means that more than half of their expected lifespan has already passed. In addition, their performance continually deteriorates after a certain operating period.

Light sensitivity (min.)	450 µA/lm
Resolution (min.)	45 lp/mm
Shock resistance	5,000 m/s (500 g)
Expected lifespan	10,000 hours
Guarantee period	36 months

SUPER-GEN®

Anybody wanting a DJ-8 with much more performance should opt for a device with a brand-new SUPER-GEN® image intensifier tube. Its resolution and light sensitivity are absolutely exemplary and are even greatly superior to third generation tubes produced in the US. Furthermore, it impresses with a particularly calm image that is kind on your eyes – even during longer observation periods. And something else has a calming effect: we give you a 48-month guarantee on tubes from this family.

Light sensitivity (min.)	600 µA/lm
Resolution (min.)	60 lp/mm
Shock resistance	5,000 m/s (500 g)
Expected lifespan	10,000 hours
Guarantee period	48 months

HYPER-GEN®

Is only the best good enough for you? Then a DJ-8 with XX1865-HYPER-GEN® image intensifier tube is exactly the right one for you. Resolution and light sensitivity that set standards are a matter of course here. As is the calm image that is kind on the eyes and has a low signal-to-noise ratio. One thing makes this image intensifier tube very special, however: the trueness of the image. There are no numerical values for this quality, but a look through it says it all. Because a special type of phosphorous achieves an extremely high degree of contrast – and hence a particularly realistic image. This version of image intensifier tubes is made especially for us. You will therefore only get this quality from us. Just like the 48-month guarantee.

Light sensitivity (min.)	700 µA/lm
Resolution (min.)	68 lp/mm
Shock resistance	5,000 m/s (500 g)
Expected lifespan	15,000 hours
Guarantee period	48 months

ONYX®

In the image intensifier tubes belonging to the ONYX® family, the company Photonis uses a completely new form of technology. It creates a black-and-white image whose contrast is perceived by the eye as particularly pleasant. Details can therefore be picked up sooner. This time advantage is often what decides between success and failure.

Light sensitivity (min.)	700 µA/lm
Resolution (min.)	68 lp/mm
Shock resistance	5,000 m/s (500 g)
Expected lifespan	15,000 hours
Guarantee period	48 months

ITS BIGGEST STRENGTH: IT AFFORDS
NO WEAKNESS. OUR NEW IMAGE
INTENSIFIER TUBE, JAHNKE EVOLUTION.



When it comes to developing our night vision devices, we follow a clear target: we do not want you to lose sight of yours in the full darkness of night. We achieve this by consistently optimising every component for hunting use – in order to give you the best possible support on the hunting ground. This claim is now expressed in the form of our latest product premiere: Jahnke Evolution.

With Jahnke Evolution, we are taking the next big step – and providing you with the strict embodiment of our company philosophy. An image intensifier tube that is explicitly matched to the conditions in the field and sets new standards in the civilian sector. With an impressive resolution and unique light sensitivity, which almost doubles the performance potential of infrared lamps. And even without IR support, Jahnke Evolution offers up to 30% more performance than the highest performance image intensifier tubes that came before it. In short: a development step with which we hit our target dead centre once again.

FOR RAZOR-SHARP GAME: OUR NEW PHÖNIX FOCUS IR LAMP.

Our latest LED infrared lamp is a real all-rounder. Its infinitely adjustable pool of light allows the Phönix Focus to be set to extreme wide angles and to focus on objects at a great distance. No matter what mode you use it in, the Phönix Focus always impresses with its evenly illuminated pool of light, and puts conventional IR lasers in the shade in terms of depth of field and image quality.

Besides its performance values, the Phönix Focus offers you another plus point: the squaring of the circle. When focusing on far off objects, the round pool of light turns into a square of light. In this way, far away game can be literally lit up – without interference from ground reflection and with a maximum light width.

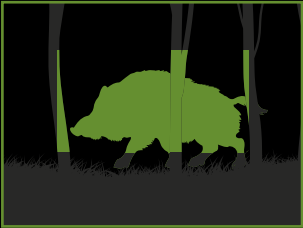
VISIBLE INVISIBLE – THE WORKING RANGE OF THE PHÖNIX FOCUS

Did you know that the human eye only detects light in the wave spectrum from 380 nm to 780 nm? Longer wave light remains hidden to us. But only to us. Red deer, roe deer and foxes partly react to infrared light of up to 840 nm.

With IR lasers, there is increasingly an unwanted reaction from game. The reason behind this is a small reflected beam angle, which significantly increases the probability of two light particles colliding. The result is a visible flash of light, which is perceived by wild animals as a threat. This is where the Phönix Focus brings the strengths of its LED technology to bear. Its larger reflected beam angle and the working range of 875 nm effectively prevent reactions from game.



At a wide angle the Phönix Focus illuminates the surroundings with an even pool of light.



When focused on far away objects, the circle of light turns into a rectangle – for a maximum light width without ground reflection.

WITHOUT INFRARED LAMP



There are often situations where it is too dark even for the best residual-light amplifier. Under such conditions, an infrared lamp can provide help. But even otherwise, image quality is considerably increased with their help. For instance – in many cases – only the use of an IR lamp enables you to correctly set the image focus. Another interesting point is the reflection of the invisible light in the eyes of the game being hunted. For example, by pivoting the night vision device, it is possible to quickly discover a pack of sows on the edge of the forest. Due to the significant improvement in performance and image quality, we generally recommend using an IR lamp even with high-performance devices.

GREATER PERFORMANCE, GREATER FLEXIBILITY

The crucial point with infrared lamps is their illumination. The PHÖNIX sets new standards here in its revised version. Firstly, its performance has been increased by 50%, and secondly, the field of illumination has been expanded by 20%. That means that nothing stays hidden any longer when you are out hunting.

WITH PHÖNIX



The way it is operated has also been improved, however. For instance, there is now a brightness control with a step switch. This can be used to increase the brightness in 25% increments or to go directly from 0% to 100%. You are therefore in a position to quickly react to all circumstances. This function was developed by us and is totally new to the market. And the best thing is: the newly developed switch is also suitable for all previously produced PHÖNIX IR lamps.

EVERYTHING IN THE GREEN AREA

High performance alone is not everything. Because with many suppliers, high performance is fiddled by a lower working range. That means that the light emitted does not come from the right spectrum range. In this case, the light is also perceived by the game, unfortunately. In order to be able to use a lamp for hunting over a long period, the working range should not fall below 830 nm.

The working range of the PHÖNIX happens to be 850 to 875 nm. That makes the PHÖNIX the most powerful IR lamp that is harmless to health, as there is no danger of eye damage here like there is with a laser. So for you, too, everything here is in the green area.

EVERYTHING IN SIGHT EVEN BEYOND THE FOREST: A SUMMARY OF OUR INFRARED LAMPS.



PHÖNIX IR+

This system lamp for hunting abroad provides up to 500% better performance compared to older models and at the same time an up to 80% bigger pool of light. If required, it is also possible to additionally focus the pool of light.



PHÖNIX 2 AND PHÖNIX 5

This completely revised success model comes in two designs. The PHÖNIX 2 illuminates a smaller area more intensely and is therefore suitable for use in the field. In the case of the PHÖNIX 5, although the illumination is somewhat reduced, the range is much bigger. It therefore provides a better overview for use in the forest.



PHÖNIX 8

The new PHÖNIX 8 is the power package when it comes to support lamps. With 300% greater performance than the PHÖNIX 2 Ultra with almost the same pool-of-light diameter, it offers the support that every hunter needs in absolute darkness. This improvement in performance brings clarity to the night. And makes the game's eyes shine.

	PHÖNIX FOCUS	PHÖNIX 2	PHÖNIX 5	PHÖNIX 8	PHÖNIX IR+ COMPACT
Diameter (at 50 metres)	4–40 m	6–7.5 m	10–12 m	6–7 m	
Weight incl. sheet	145 g	89 g	86 g	206 g	186 g
Length	11–13.8 cm	13.2 cm	12.6 cm	17.5 cm	2.8 cm ²
Max. range ¹	500 m	400 m	300 m	600 m	800 m
Operating time (hours)	10–100	30–200	30–200	10–100	25–150
Working range	875 nm	850 nm	850 nm	850 nm	850 nm
Lens	Infrared-enhanced	Infrared-enhanced	Infrared-enhanced	Infrared-enhanced	
Power supply	1× 123 A	1× 123 A	1× 123 A	2× 123 A	1× 123 A

¹ Range very much depends on residual-light amplifier used. ² without rubber protector

WE BRING LIGHT TO THE DARKNESS.

WITH ANSWERS TO IMPORTANT TECHNICAL QUESTIONS.

We want to make the hunt for wild boar easier for you. But we are also happy to help you in the search for the right night vision device – with some important information that will help you make your choice.

WHAT ARE THE DISADVANTAGES OF A USED IMAGE INTENSIFIER TUBE?

Many suppliers fit their night vision devices with used image intensifier tubes from military stocks. At first they appear reasonable, but can get expensive in the long run, because the rate of repair with these devices during the first three years is around 37%. As the image intensifier tube is the main cost factor on a night vision device, the financial layout of a repair equates to that of buying a new one. And the quality is also limited. Tubes of up to 20 years old are not rare in the case of the suppliers mentioned. Such tubes only achieve around 60% of the performance of a new one. All in all, therefore, you will not pay any less – but probably even more. With us, however, you are guaranteed to only get brand-new image intensifier tubes from the factory. They come at a price – but pay for themselves nevertheless.

WHY ARE GOOD OPTICS IMPORTANT?

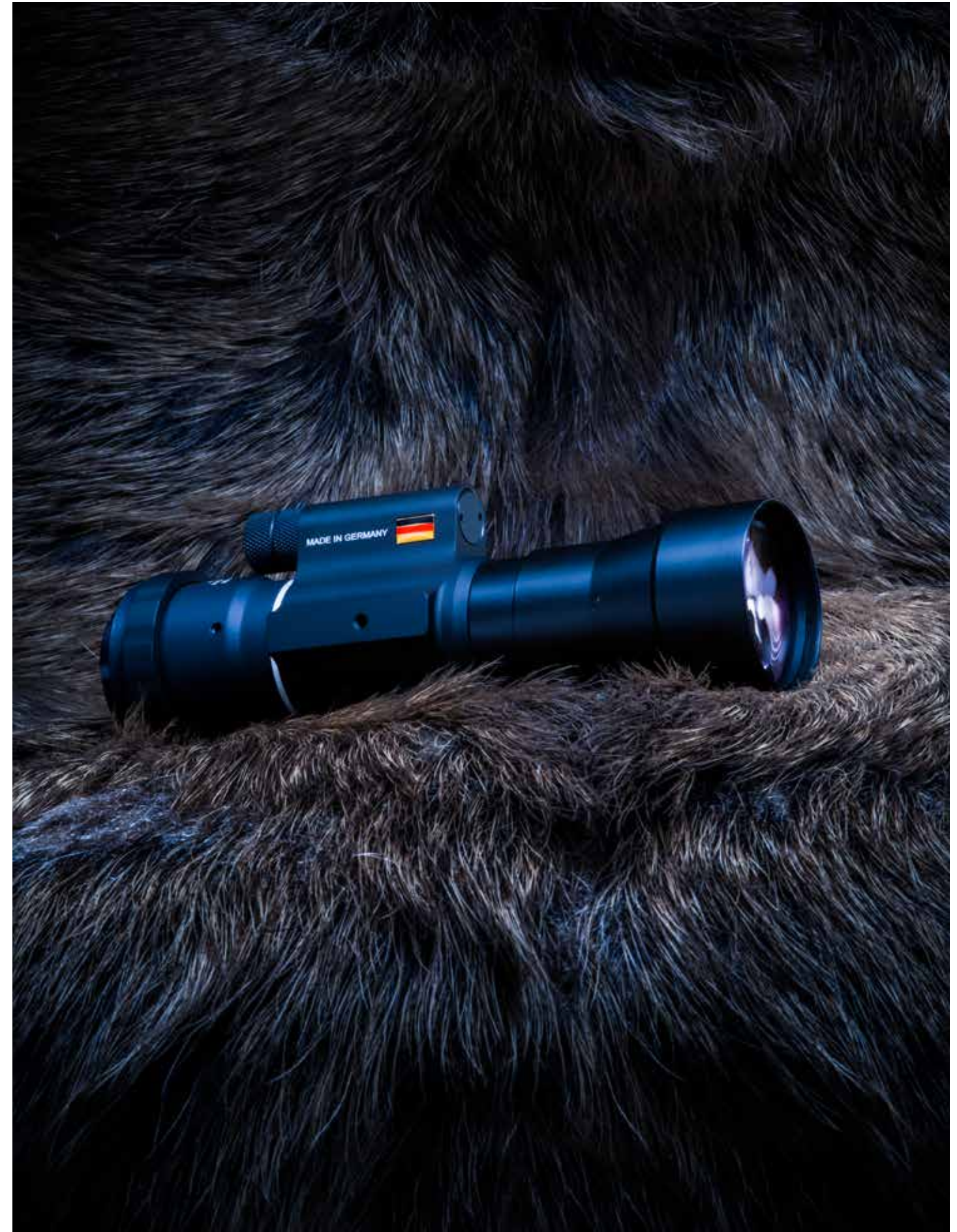
The lens and ocular come together under the term *optics*. Only if both are of the highest quality will you also get a perfect image in the end. Conversely, even the best image intensifier tubes cannot reach their potential with poor optics. This can be seen from other suppliers, who often use C-mount lenses from surveillance cameras.

These even partially filter out the infrared light which is important for image intensifier tubes to work. The IR lenses supplied by us, however, are designed for maximum infrared light penetrability and coated accordingly. The result is a clear, high-contrast image plus an optimal ability to be combined with IR lamps.

HOW RELIABLE ARE PERFORMANCE DETAILS?

Figures speak for themselves, as the saying goes. Yet in the case of night vision devices, the matter is not so simple. Unfortunately, it can be seen time and time again that many suppliers work with estimated values or even present you with completely made-up figures. Yet even correct values do not always have the necessary force of expression. For example, an image intensifier tube with high light amplification can produce a poor result if the signal-to-noise ratio is too low. In contrast, the high IR sensitivity of third generation tubes should be treated with caution. That is because these either contain an ion barrier, which in turn reduces the sensitivity by up to 70%, or they are produced without this barrier, which leads to a dramatic reduction in their lifespan.

All these consequences can only be fully appreciated by experts. Nevertheless, the way to find the optimal night vision device is very easy: simply test different devices on the same evening. By doing so, you will realise that one thing speaks louder than figures: your personal impression.





TO FINISH, AN OLD HUNTERS' SAYING: ONLY TRUST YOUR OWN EYES.


One thing you have definitely learned in this brochure: when buying a night vision device, it is worth taking a very close look. That applies in two respects.

Only a test can show which night vision device is the best for you and which model is really convincing. That is why you should test your preferred device from us extensively and under real conditions. If other suppliers refuse to offer you this service, in your own interest make sure you get a money-back guarantee in case you are not impressed by the result.

Furthermore, you should take time to take a closer look at the guarantee conditions. An increasing number of dealers give no guarantee, just the warranty prescribed by law.

For you this means in the event of damage that occurs after more than six months, as a customer, you are required to prove that there was a defect from the outset. That can be difficult. That is why we offer you a genuine guarantee – and this for up to 48 months. During this period, you are legally entitled to have your device repaired without ifs or buts. Even if it is highly unlikely that this will be necessary.

As you can see, when looking for the perfect night vision device, you should only trust your own eyes.



NATURALLY WE WILL NOT KEEP YOU IN
THE DARK IF YOU HAVE ANY QUESTIONS.
SIMPLY GET IN TOUCH WITH US
SO THAT IN FUTURE, YOU WILL SEE AT
NIGHT LIKE YOU DO IN DAYTIME.

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With kind regards

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