OPTICS TRADE

Night vision binoculars

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NIGHT VISION BINOCULARS

- Very popular among hunters
- •Offer a magnified picture for night-time observations
- Available in different magnification
- Available as analog NV binoculars or digital NV binoculars



NV GOGGLES VS NV BINOCULARS

- Often feature the same housing
- •The only difference is in the magnification
- •NV goggles have true 1x magnification
- •NV binoculars have a magnified picture (3x, 4x, 5x, etc.)
- •NV goggles are widely used by professionals (Military, Police)



ANALOG VS DIGITAL NIGHT VISION BINOCULARS

Pros and cons of each

- Analog night vision binoculars
 - (+)Available with IIT's of all 3 generations
 - (+)Direct image with no screen no refresh rate
 - (+)Longer observation distances at night
 - (+)Many NV goggles can be converted into NV binoculars
 - (+)Very long battery life
 - (-)Should not be turned on during the day the IIT can get damaged
 - (-)Not possible to take photos or videos
 - (-)No additional internal settings
 - (-)Only 1 fixed magnification



ANALOG VS DIGITAL NIGHT VISION BINOCULARS

- •Digital night vision binoculars
 - •(+)Have a sensor and a screen many possible settings
 - •(+)Can also be used durring the day
 - •(+)The magnification can be changed digital
 - •(+)Offer many additional features (GPS, stadiametric rangefinder, etc.)
 - •(-)High energy consumption
 - •(-)Are bigger and bulkier
 - •(-)Not so good image resolution than with analog devices



GREEN VS. BLACK&WHITE IIT

- •The main difference makes the generation of the IIT and not the color of the image
- •Black & white devices are available only from the 2nd generation upwards
- •For many people, observing for a long period of time is more comfortable with a night vision device that features a green IIT
- •Green IIT's have often a brighter appearance
- •The detail recognition is mostly better with a black & white IIT
- Night vision devices with a black & white IIT are more expensive





NV BINOCULARS VS NV SCOPES (NV MONOCULARS)

Night vision Monoculars:

- Smaller in size
- Lighter weight
- Cheaper
- Easy to adjust
- Not comfortable for longer time observations

Night vision Binoculars

- Much better viewing experience
- More comfortable for longer time observations
- Bigger and bulkier
- Heavier in weight
- More expensive
- More difficult to adjust on both eyes



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