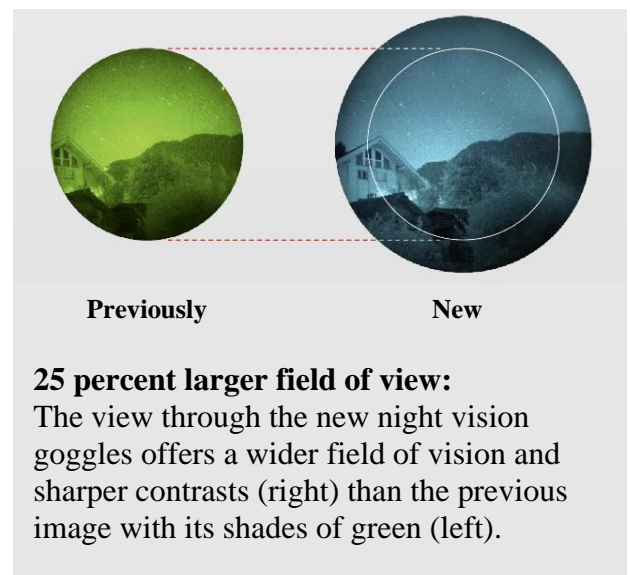
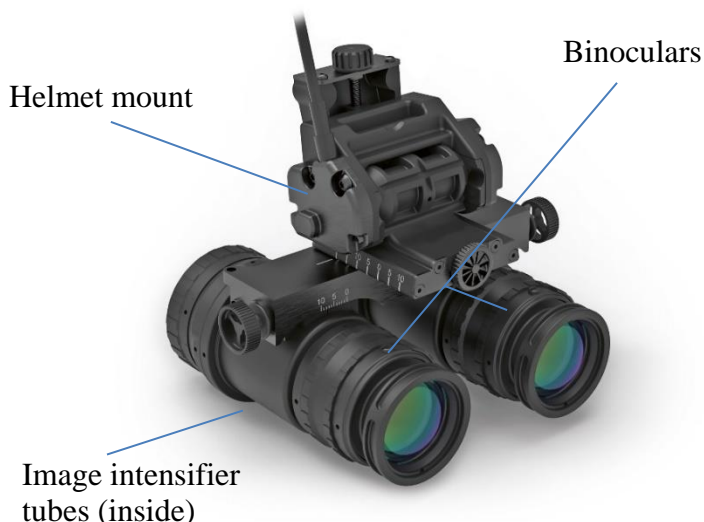


## Night Vision Goggles: the key features at a glance

- Night vision goggles amplify any residual natural or artificial light from the night sky, make it visible to the human eye, and generate an image in shades of green or black & white. To do this, it uses highly sensitive image intensifier tubes with white or green phosphor imagery.
- Rega's new NVGs now generate a black & white or greyscale image – as opposed to the previous devices which presented the viewer with contrasting shades of green. The night scene appears more natural in the greyscale image; the colours reduce strain on the eye and help prevent visual fatigue.
- Furthermore, contrasts, shapes and shadows are much more distinct, which increases the pilots' environmental and situational awareness. As a result, they can recognise danger earlier or better and react accordingly.



## The advantages of the new NVG devices:



### Optics

State-of-the-art technology in the image intensifier tubes – the core component of night vision goggles – delivers a higher resolution, more distinct contrasts and increased depth of perception, as well as a sharper image. As a result, obstacles or changes in the weather can be detected earlier and more precisely.



### Field of view

The field of view is around 25 percent larger than before, which makes it easier to perceive the surroundings in the dark. The pilot has to turn his head less, which helps re-duce fatigue.



### Housing and mounting system

The new NVGs have a more robust finish. The swivel mount supplies the binoculars with power and allows them to be moved from the operating position (in front of the pilot's eyes) to the flipped-up position.



### Weight and ergonomics

Together, the binoculars, helmet mount and battery pack are lighter than before: with the pilot's helmet, they weigh around three kilograms. This weight is optimally distributed on the helmet in order to keep the strain on the pilot's neck to a minimum.

