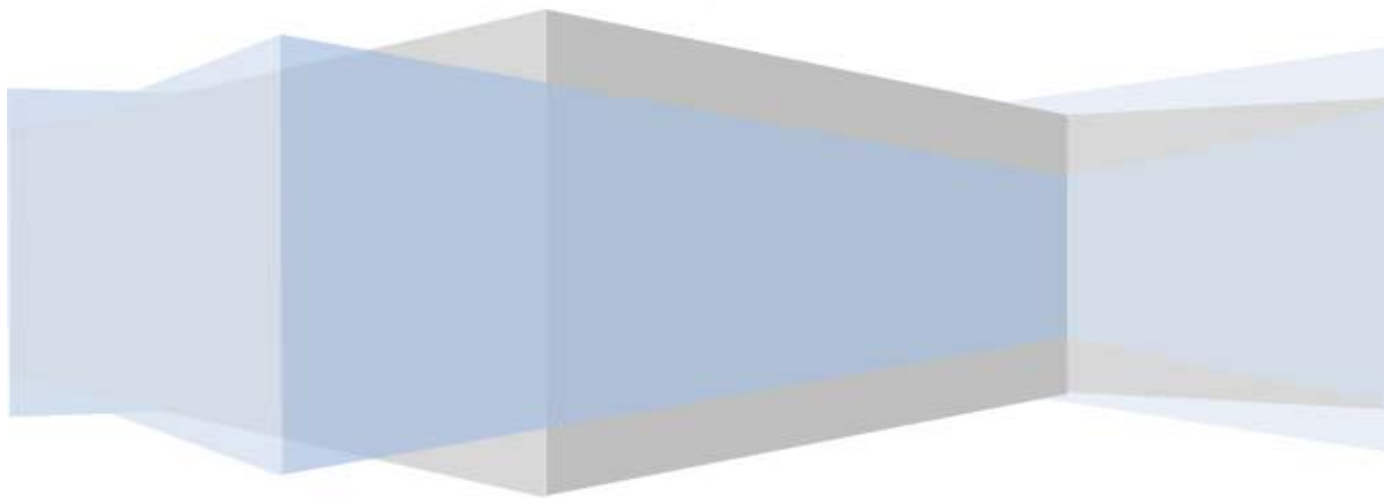


Aviation Night Vision Imaging System NL-94-AU



1 COMPONENTS

The NL-94-AU is a self-contained, helmet-mounted passive night vision binocular device that provides the capability for pilots to fly in terrain flight modes at night.

The system amplifies ambient light from sources such as the moon, stars and sky glow, so the viewed scene becomes clearly visible to the operator.

The NL-94-AU has the following important features:

- Powered by batteries
- Low-battery indicator on the helmet mount blinks, if the battery voltage drops below safe limits
- Eye-span, vertical distance, tilt, eye relief, dioptre and focus adjustable
- Binocular may be flipped and stored away from the eyes in an emergency.



Fig 2-1 : NL-94-AU Standard Set

1.1 BINOCULAR ASSEMBLY

The binocular assembly (Fig 2-2) consists of two identical monoculars mounted under an adjustment shelf. The monoculars may be moved sideways (eye span).

Each monocular is comprised of three primary sub-assemblies:

- Objective lens assembly
- Monocular housing with image intensifier assembly, and
- An eyepiece lens assembly.

The adjustment shelf contains a connection socket that allows quick and easy, mechanical and electrical interconnection of the binocular assembly with the mount assembly.

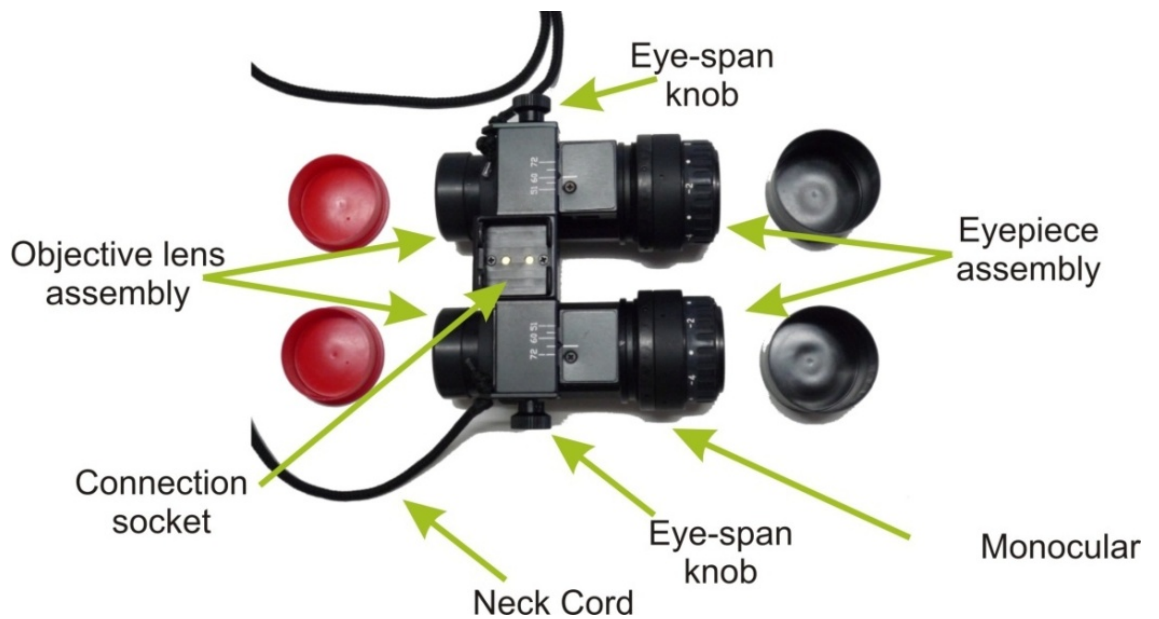


Fig 2-2 :: Binocular Assembly