

## YSG Night Vision Goggles



It is a PVS 7 type night vision goggle, but more light weight and compact. It can be assembled with Gen 2+ or Gen 3 tube.

### Feature:

- IP67 weatherproof
- No power consumption when in standby
- Embedded spring in battery's cap
- Optional battery type: One CR123 or two AA batteries can power this unit
- Auto operating mode: In this mode, the IR illuminator will turn on automatically when the ambient light is less than 0.05Lux and will turn off automatically when the ambient light is more than 0.1Lux.
- Fully adjustable head mount: The head mount can be adjusted according to head size.
- Mil-spec mufti-coated optic: Multi anti reflection film can restrain the reflex of lens, which can reduce the loss of light so more light can go through the lens to get a sharp image.
- Automatic brightness control: When the ambient light changes, the brightness of the image detected will keep the same to insure a stable viewing effect and also to protect users' eyesight.
- Bright source protection: The device will shut off automatically in 10 seconds to avoid the damage of the image intensifier tube when the ambient light exceeds 40 Lux.
- Low battery indication.

**Specifications**

IIT	Gen2+
Resolution (lp/mm)	45-64
Photocathode type	S25
S/N (dB)	21
Luminous sensitivity ( $\mu\text{A}/\text{lm}$ )	450-600
MTTF (hrs)	10,000
Magnification	1x
FOV (deg)	40
Detection distance (m)	220-280
Diopter (deg)	+5/-5
Lens system	F1.2, 25.8mm
Range of focus (m)	0.25-- $\infty$
Dimensions (mm)	149x121x51
Weight (g)	413 (with battery)
Power supply (v)	2.0-4.2V
Battery type (v)	CR123A (1) or AA (2)
Battery life (hrs)	80(w/o IR) 40(w IR)
Operating temperature( $^{\circ}\text{C}$ )	-50/+60
Environmental rating	IP67
Inter pupillary Distance	75mm

**Buttons**



1. Operation button
2. battery compartment
3. objective lens
4. protective cover
5. eyepiece
6. rubber eye cap
7. mounting part
8. IR illuminator
9. Light detector
10. IR brightness regulator