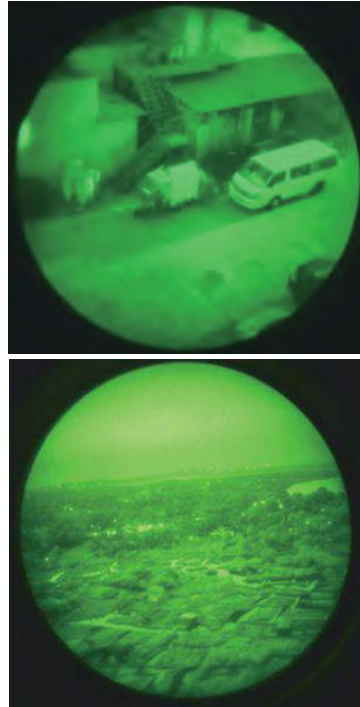


ZX-NV14D Low-Light Night Vision Goggle



Product Introduction

The ZX-NV14D is a helicopter pilot night vision goggle, which is designed for current pilot helmet platform interfaces.

It features a lightweight structural design for comfortable and flexible wear. Equipped with a domestically produced 3rd-generation image intensifier, it delivers clear imaging in extremely low-light environments.

Powered by an external battery compartment, it offers a continuous operational duration up to 60 hours. This product enhances pilots' visual capabilities in dark environments, improves situational awareness, and boosts flight safety as well as special mission performance.

It can also be utilized for nighttime visual training of helicopter pilots in darkroom settings.

Specifications

Type	Binocular, dual-tube night vision goggles
Magnification	1×
Image Intensifier Grade	3rd generation
System Resolution	64–72 lp/mm
Overall Resolution	0.94 mrad (contrast 85%–90%, illumination 1×10^{-1} lx)
	1.67 mrad (contrast 35%–40%, illumination 1×10^{-3} lx)
Observation Range	Under clear starlight conditions, recognition distance for ground building is no less than 1,000m
Mean Time Between Failures (MTBF)	30,000 hours
Field of View	40°
Continuous Operation Time	≥60 hours
Sensitivity	≥1,800 μ A/lm
Environmental Resistance	Water and dust protection rating: IP67 or higher
Diopter Adjustment Range	-4D ~ +4D
Weight	480g
Interpupillary Distance (IPD) Adjustment	Continuously adjustable
IPD Range	51–75mm
Bright Light Protection	Equipped with automatic brightness protection
Mounting Compatibility	Adaptable to T/TK40 series helmets
Storage Temperature Range	-55°C ~ +70°C
Operating Temperature Range	-40°C ~ +60°C