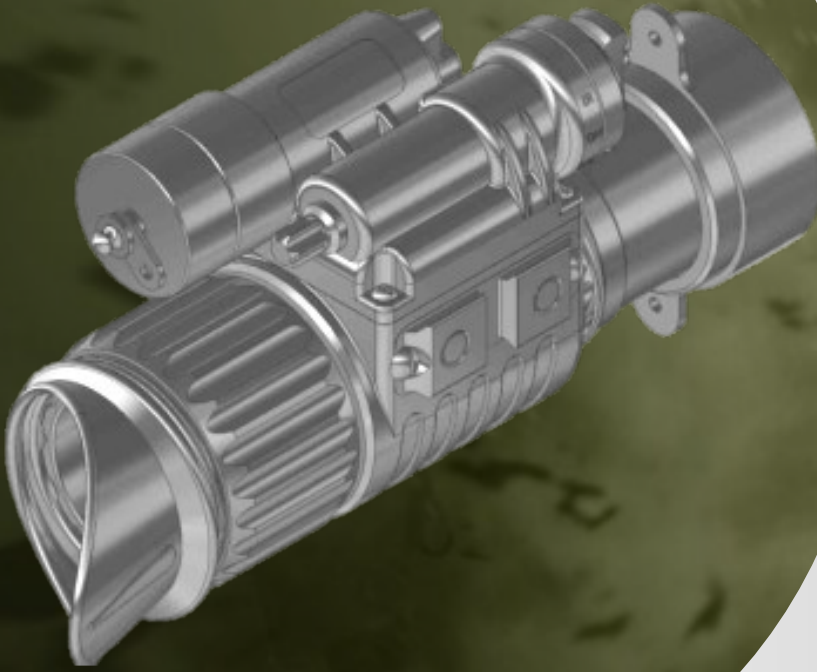


# D-FENS



## DF-NVG

# MULTI PURPOSE MONOCULAR WITH MANUAL GAIN CONTROL



## Description

DF-NVG is a Single Tube Night Vision Multi Purpose Monocular. It is intended for Surveillance, Navigation, SERE (Survival, Evasion, Resistance, Escape) or to be used as Short to medium Ranges

Weapon Sight, providing Increased Versatility while eliminating the need to carry multiple types of specialized equipment Lightweight, Ridged and well Balanced, DF-NVG can be hand-held or worn on a head-mask

for hands-free operation, NBC compatible.

DF-NVG utilizes Generation II Premium or Gen III High Performance Image Intensifier Tube with integrated power supply, which provides Automatic Brightness Control (ABC) and Bright Source

Protection (BSP) to guard against exposure to high levels of light.

DF-NVG Features manual variable gain control enabling it user to adjust best display brightness for best scenery perception.

## Mission Dedicated

- Handheld Monocular
  - Navigation
  - SERE
  - Observation
- Head Mask/Helmet mounted
  - Hands Free operation
  - Navigation, Engagement
  - NBC compatible
- Weapon mounted
  - Short ranges Rifle Scope
  - Red Dot/Reflex Sight/Laser designators compatible



# System Features

- Manual variable gain control
- Lightweight, Rugged, Humidity Protected
- Swing arm-Left or Right eye positioning
- NBC compatible
- Build-in IR illuminator for map reading
- Weapon mounted-Rifle scope
- IR operation indicator
- Low battery indicator
- Flip-Up/Flip-Down position
- Built-in sensor for High Light automatic shut down
- A-focal Clip-On Objective- x3; x4; x5 (Optional)
- Red Dot/Reflex Sight/Laser designators compatible

# Technical Specification

PARAMETER	VALUE
Optical Data	
- Magnification:	X1
- Field of View (FOV):	40°
- Focus range:	0.25m to infinity
- Diopter adjustment:	-4 to +4
- Exit Pupil:	20 mm
- Eye relief:	25 mm
Electrical	
- Input voltage:	1.5 VDC
- Battery type:	1 AA or CR123
- Voltage Polarization:	Protected
- Electrical switch:	OFF/ON/IR
- GC Electrical switch:	Tube Gain Control
- IR Operation Indicator:	Eyepiece FOV
- Low Battery Indicator:	Eyepiece FOV
Mechanical	
- Monocular weight:	360 gr
- Length/Width/Height:	118x48x69 mm
- On-Mask adjustments:	One hand
- Monocular Fixation:	Flip-up/Flip-down
- Weapon Mounting:	Picatinny or other
Environmental	
- Operating temperature:	-40° C ... +50° C
- Storage temperature:	-45° C ... +60° C
- Immersion:	1 m for 30 min.
- Shock/Recoil resistance:	500g

