

MPM-14GC

MULTI PURPOSE MONOCULAR WITH MANUAL GAIN CONTROL

Description

MPM-14GC 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, MPM-14GC can be hand-held or worn on a head-mask for hands-free operation, NBC compatible.

MPM-14GC 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.

MNVM-14GC Features manual variable gain control enabling it user to adjust best display brightness for best scenery perception.

System Features

- Lightweight, Rugged, Humidity Protected
- 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

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

Technical Specification

Optical

- | | |
|------------------------|-------------------|
| • 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

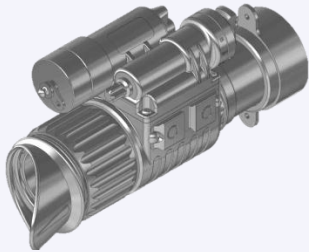
- | | |
|---------------------------|---------------|
| • Input voltage: | 1.5 VDC |
| • Battery type: | 1 AA or CR123 |
| • Voltage Polarization: | Protected |
| • Electrical switch: | OFF/ON/IR |
| • IR Operation Indicator: | Eyepiece FOV |
| • Low Battery Indicator: | Eyepiece FOV |

Environmental

- | | |
|----------------------------|-----------------|
| • Operating temperature: | -40°C ... +50°C |
| • Storage temperature: | -45°C ... +60°C |
| • Immersion: | 1 m for 30 min. |
| • Shock/Recoil resistance: | 500g |

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 |



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