

# **C4i** **communication**

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## **C4INVG-14GC** **MULTI PURPOSE MONOCULAR** **WITH MANUAL GAIN CONTROL**



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## DESCRIPTION

The C4INVG-14GC is the current military issue night vision goggles for the US armed forces for monatge on 5.56mm to 7.62mm small arms. It is also the preferred choice of many foreign (NATO) forces.

C4INVG-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, C4INVG-14GC can be hand-held or worn on a head-mask for hands-free operation, NBC compatible.

C4INVG-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.

## SYSTEM FEATURES

- Lightweight, Rugged, Humidity Protected
- Anti-Reflective, Aluminum Alloy, Corrosion Resistant
- 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



Image Intensifier	Gen 4 Auto Gated
Resolution	64 lp/mm (Min)
Immersion	IPX7 - 1 m for 30 min.
Signal to Noise Ratio	25.0 min.
Photocathode Response	2200 min.
Halo	0.8mm min.
Mean Time Before Failure (MTTF)	15,000 hours
Sensitivity	550-650 microamps /Lumen ( $\mu$ A / LM)
Light gain	25000-30000 times
Magnification	1x - 4x
Lens system	F 1.2, 24 mm
Field of View	40° + 2 Degrees.
Focus range	0.25 m to infinity
Diopter adjustment:	6 to +2
3-position switch controls	ON, OFF, IR
IR indicator	Yes (in FOV)
Low battery indicator	Yes (in FOV)
Battery Type	1 AA. (Rechargeable)
Power supply	(1) 3 V lithium, or (1) AA alkaline
Battery life	up to 60 hours
Operating temperature	-45 °C to + 65 °C
Storage temperature	-55 ° C to + 70 ° C
Dimensions	200 x 65 x 75mm
Weight	0.46 kg







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