



NIGHT VISION WEAPON SIGHT

MARS4-31

ATN Night Vision Weapon sights – the world’s most complete line of professional night vision sights – has a new flagship – the ATN MARS Series. Inspired by ATN’s quest for technical perfection and named after the Roman God of War, the ATN MARS NV riflescopes represent the absolute latest in the world of night vision equipment. Similar to all ATN scopes the ATN MARS features only the purest grades of heavy glass and computer-aided optical designs to create multi-element, high-speed, multi-coated lenses for ultra-fast light transmission and resolution beyond current military standards. All optical lenses on the MARS scopes are individually fitted and calibrated to achieve optimum performance.

The ATN MARS uses the highest quality MX10160 type hand-selected image intensifier tubes (IIT) based on the latest night vision technologies.

Compact, lightweight and rugged one-piece construction is CNC milled from solid aerospace-quality aluminium billet and fitted with titanium inserts. The ATN MARS gives the weapon operator 50% more (45mm!) of eye relief than Raptor (4X and 6X) and ITT F7001 (A) and offers superior performance over other manufacturer’s models in regard to step of windage and elevation precision as well as in other characteristics and features.

ATN MARS is the only night vision scope with new ATN proprietary feature – Two-Color Manual Brightness control of the aiming reticle. This feature allows for a choice of color (red or amber) of the projected reticle depending on operator’s preference and tactical situation.

- Powerful 4x magnification
- Superior quality Multi-coated all-glass optics
- Precision windage and elevation adjustments
- Tactical digital remote control
- Waterproof and submersible to 66 feet for 1 hour
- Included mount for Piccatinny or 7/8” Weaver-style rail
- Unit accepts either, (1) 3V CR123A or (1) AA battery
- Nitrogen-purged for resistance to internal fogging
- Free Pelican Hard case included
- Limited Two-Year Warranty

SPECIFICATIONS

Magnification	4x
Lens System	F 1.5; 108 mm
FOV	9°
Exit Pupil	7mm
Eye Relief	45 mm
Range of Focus	10 m to infinity
Diopter Adjustment	-5 to +5
Controls	Direct
Remote Control	Yes
Automatic Brightness Control	Yes
Bright Light Cut-off	Yes
IR Indicator	Yes
Low Battery Indicator	Yes (in FOV)
Power Supply	1 x 1.5 V AA type battery or 1 x 3 V CR123A type battery
Battery Life	55 hours (3V) / 40 hours (1.5V)
Environmental Rating	Waterproof
Operating Temperature	-51 to +45 °C
Storage Temperature	-55 to +70 °C
Dimensions	235x90x95 mm / 9.3x3.5x3.7"
Weight	1.3 kg / 2.9 lbs

TUBE SPECIFICATIONS

HIGH QUALITY 3I GEN IMAGE INTENSIFIER TUBE

PHOTOCATHODE TYPE	GaAs
GENERATION	3rd
RESOLUTION, lp/mm *	51-64
SIGNAL TO NOISE RATIO*	18-24
FIGURE OF MERIT	<1400
PHOTOSENSITIVITY	1000-1500
MTTF - MEAN TIME BEFORE FAILURE, hours	10,000
EXPORT	State License Req.

* Specifications are provided for informational purposes only. Actual values may vary



IR-450 Infra-red Illuminator

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1341 San Mateo Ave,
South San Francisco, CA 94080.

www.atncorp.com
e-mail: sales@atncorp.com, info@atncorp.com

Tel: 800-910-2862, 650-989-5100,
fax: 650-875-0129