



## DAY/NIGHT SYSTEM

## PS40-2I

Representing the latest advancement in Night Vision optics, the ATN PS40 gives your daytime scope Night Vision capability in a matter of seconds.

The ATN PS40 mounts in front of a daytime scope to enable nighttime operation. No shift of impact, no need to rezero nor change of eye relief occurs. The ATN PS40 uses the latest in image intensifier tube technology for outstanding resolution and performance.

Precision optical alignment is essential for a front sight system to work properly. This is why each ATN PS40 is individually tested and aligned on an optical scale by our engineers to provide perfect alignment.

The ATN PS40 is one of the most compact and lightweight NV systems in its class, at only 840 grams.

- Easily changes daytime scope to Night Vision
- Mounts in front of daytime scope, no re-zeroing required
- Multi-coated all-glass optics
- Fast catadioptric front lens system
- Equipped with remote control
- Powered by a single alkaline AA or 123A lithium battery.
- Battery life check system.
- Large 40 mm eyepiece/output window
- Included Quick Release Mount
- Optional Scope Mounting System for coupling to the objective of the day scope (47...58,7 mm diameter)
- Automatic Brightness Control
- Bright Light Cut-off System
- Resistance to severe conditions



PS-40 INSTALLED ON MIL-STD-1913 RAIL FORWARD OF DAYSCOPE



PS-40 INSTALLED ON DAYSCOPE OBJECTIVE LENS



PS-40 INSTALLED ON B.A.M. system

### BASIC KIT INCLUDES



- |                            |                          |
|----------------------------|--------------------------|
| 1 ATN PS-40 NV Front Sight | 6 Battery 123A, Lithium  |
| 2 Objective Lens Cap       | 7 Shipping /Storage Case |
| 3 Output Lens Cap          | 8 Quick Release Mount    |
| 4 Light Suppressor         | 9 Wrench                 |
| 5 Remote Control           | 10 Operating Manual      |



### SCOPE MOUNTING SYSTEM

Optional scope mounting systems are designed to install the PS-40 on riflescope/sporting scope objective lens.



### 7/8" WEAVER MOUNT

Optional Weaver mount can be used to install the PS-40 on a MILSTD-1913 rail if mounting rail on the rifle has narrow groves (4 mm).



### LONG RAIL ADAPTER

Optional long rail adapter can be used if the firearm has a short scope mounting rail which prevents the installation of the PS-40 forward of dayscope.



### B.A.M. SYSTEM

Optional B.A.M. system (Boresight Attachment Mount) is used to install the PS-40 and dayscope on the rifles having short mounting MIL-STD-1913 rail.



### PLATFORM RING WITH PICATINNY RAIL

Long range IR Illuminator can be mounted onto a daytime scope using optional Platform Ring.

### SPECIFICATIONS

MAGNIFICATION	1X
FOV	12 deg.
LENS SYSTEM	Mirror Lens
FOCAL LENGTH	80 mm
F-STOP	1:1.23
EXIT PUPIL	40 mm
FOCUS	10 m to infinity
POWER SUPPLY	One AA (1.5 V) or 123A (3 V)
BATTERY LIFE AA (1.5 V)	32 hours
BATTERY LIFE 123A (3 V)	36 hours
OPERATING TEMP	- 20 ... +50 °C
STORAGE TEMP	- 50 ... +50 °C
WATER PROOF	10 m for 30 minutes
DIMENSIONS	177 x 85 x 83 mm / 6.9" x 3.3" x 3.2"
WEIGHT	0.84 kg/ 1.85 lb

### TUBE SPECIFICATIONS

#### HIGH QUALITY 2I GEN IMAGE INTENSIFIER TUBE

DESCRIPTION	Standard
GENERATION	2+
PHOTOCATHODE TYPE	Multi - Alkali
RESOLUTION lp/mm*	40-45
FIGURE OF MERIT	<900
MTTF - MEAN TIME BEFORE FAILURE, hours	5,000
EXPORT	Dual-use: subject to EAR

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

### OPTIONAL ACCESSORY

COWSPSAM	Adapter for A.R.M.S. Mounts
ACDNPS40MWVR	Weaver Mount
	Scope Mounting System #1
	Scope Mounting System #2
ACWSRTRA	Platform Ring
ACWSLRADPT	Long Rail Adapter
	Boresight Attachment Mount (B.A.M.)
ACMUIP45B4	IR450-B4 Illuminator



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