

# Voyager

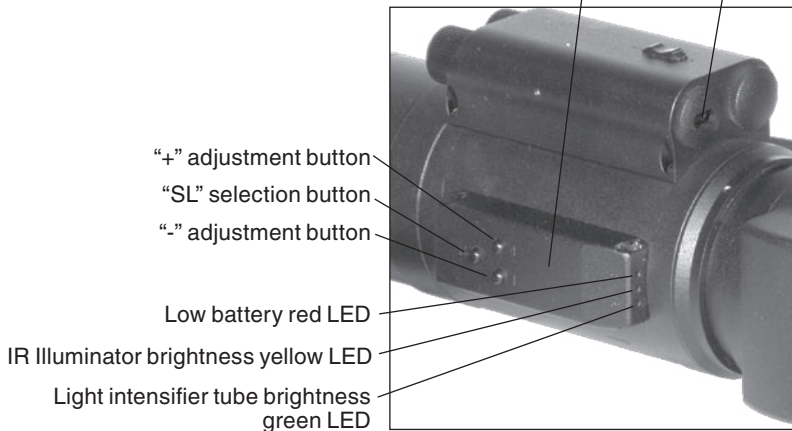
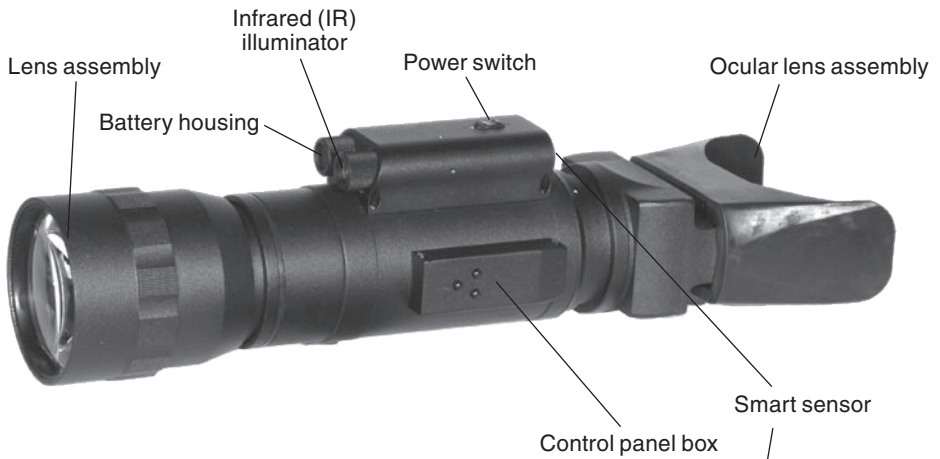


## *u s e r ' s   g u i d e*

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**AMERICAN  
TECHNOLOGIES  
NETWORK  
CORP.**



## CAUTION:

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# FEATURES

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- Automatic and manual brightness control
- IR illuminator
- Camera/Camcorder adaptable
- Manual focus
- 25mm flash resistant intensifier tube
- Water resistant
- Panoramic eyepiece for better viewing
- Superb multi-coated 6 element lens system
- Daylight filter
- Computerized Controls activate Voyager automatically
- Proximity Sensor increases the life of Voyager fivefold.
- Adjustable tube and IR brightness

# SPECIFICATIONS

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Magnification .....	4.5x
Intensifier Tube .....	2nd Gen+; 25mm
Lens System .....	120mm; F1.8
Field of View .....	15°
Range of Focus.....	3' to ∞
Power Supply.....	Two 3V Battery
Battery Life .....	60 hours
Operating Temperature .....	-40°C to +50°C
Storage Temperature .....	-50°C to +70°C
Dimensions.....	37.5x10.0x11.2cm
Weight.....	1.8kg

\* ATN reserves the right to change the above specifications at any time without notice

# APPLICATION

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The Voyager Night Vision Monocular is designed for observation and identification of objects at low light levels (less than 1.0 lux) in the temperature range from -40°F up to +110°F.

The Voyager Night Vision Monocular is a complex optic-electronic system for individual use. The device consists of the objective lens assembly, ocular lens assembly, IR illuminator, and the body. The body contains the image intensifier tube assembly with the integrated high voltage power source and the battery housing. The battery housing cover houses two 3 Volt Lithium, CR#123A batteries. Objective lens protective cover (not shown) is designed to protect the Voyager from high-level illumination. The pinhole in the center of the protective cover allows the user to check the operation ability of the device in daylight conditions.

## MASTER POWER SWITCH

The device is switched on by turning the main switch located on the top of the scope. The Voyager is controlled by a built-in computer that regulates the functions of the scope.

## LIGHT INTENSIFIER TUBE BRIGHTNESS

To adjust the brightness of the Voyager you will need to press the “SL” (Select key) key until the green light lights up on the control panel. You can then adjust the power of the scope using the “+” (increase) and “-” (decrease) key.

## INFRARED ILLUMINATOR

To adjust the magnitude of the IR you will need to follow the same procedure as above, except when pressing the “SL” key, please wait for the yellow light to light up.

## SLEEP MODE

One of the greatest new features your Smart scope has is a “SLEEP” mode. This feature greatly extends the life of your scope. Your scope will be automatically shut down if idle more than 20 minutes. Activity means pressing any of the buttons or simply moving it back and forth away from your face (when the smart sensor is activated). If your intention is to continue using the Voyager simply press “SL” and it will come back on.

**NOTE:** *The scope will be capable of running on “SLEEP” mode for more than 10 days and will be ready to use at any moment. You don’t have to turn the unit off while you are using it (Voyager will remember all your setting while “sleeping”). Use “ON/OFF” switch only to store the scope. The proximity sensor will snap into action better in dark environment. Daylight testing and/or other situations with intensive lighting may cause a temporary decrease of the proximity sensor’s performance.*

## FOCUSING

To focus the Voyager simply adjust the front lens as needed.

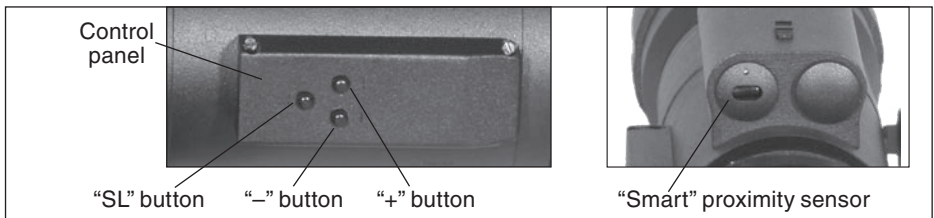
## LOW BATTERY INDICATOR

When the red LED on the control panel lights up it is time to change batteries.

# SMART DIGITAL TECHNOLOGY

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Smart Total darkness Technology finally provides the user total control in the hi-tech industry of night vision. The Smart Series night vision monoculars have been designed with the latest computer technology. Onboard computer detects the users intention of looking through the oculars. When the ocular is brought to the users eyes the unit will be automatically turned on. When removed from the eyes the monocular will be turned off (you must activate the proximity sensor). The user will never have to worry about turning his or her monocular on or off. Smart series monocular automatically sense when it is no longer being used, and will shut down and



enter into sleep mode. All the controls and buttons are digital. Even if your batteries are low, don't worry the smart series will let you know.

To use the smart sensor of the Voyager and save the life of the scope as well as your batteries, press both the "SL" key and the "+" key. The Voyager will be now turned off when you move away from the scope. It will be turned on when you move back to the scope.

## OPERATING

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The Voyager is the second generation computerized night vision device that provides a big performance advantage over the first generation devices. This system requires substantially less light to function and produces an increased light amplification at all levels. Eventually you will see a much brighter, well defined image in the eyepiece.

As well as generally out performing their first generation counterparts, second generation tend to have a longer operating life. Our patented Smart Technology increases that life in 5 times. Your Voyager is also equipped with auto brightness control to avoid for scope to be overexposing to ambient light, while it maintains a balanced level of light in the eyepiece.

Generation two technology employs a complex micro channel plate consisting of tens of thousands of tiny electrically charged tubes that concentrate and increase the charge from the photo-cathode, and create a highly accurate electron beam, recreating the visual image on the phosphor screen.

## PREPARATION FOR OPERATION

Before getting started make sure to follow these steps:

- Take the monocular out of the case.
- Install the batteries into their housings with the polarity order shown on the battery housing cover. Battery type: 3 Volt Lithium, #CR123A
- Switch on the monocular **with the protective lens cover still attached to the lens.**
- Make sure that the green luminance of the light intensifier tube is present.
- If the device is not to be used for extended period of time (more than 10 days) remove the battery.
- Avoid touching lenses. If fingerprints or traces of dirt or dust appear, clean surface with a soft dust cloth and glass cleaner.
- **Keep lens cap/daylight filter on when not in use.**
- Avoid contact with dust, steam, and gas.

- The Voyager is not harmful to the user or the environment.
- Do not disassemble except to clean the front lens and the eyepiece: it will void your warranty.
- Evaluate the scopes function by looking through it in a lit environment with the daylight filter lens cap on. **Never use in daylight without the daylight filter lens cap on.**

## STORAGE AND CARE

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- If the device is not to be used for extended period of time (more than 10 days) remove the battery.
- Avoid touching lenses. If fingerprints or traces of dirt or dust appear, clean their surface with a Photographic lens cleaning tissue.
- Keep lens cap/daylight filter on when not in use.
- The Night Leopard is not harmful to the user or the environment.
- Do not disassemble except to clean the front lens and eyepiece: **it will void your warranty.**
- Evaluate the monocular function by looking through it in a lit environment with the daylight filter lens cap on. Never use in daylight without the daylight filter lens cap on.
- Never point the Night Leopard at a bright light source.
- Adverse atmospheric conditions such as fog, smog or haze and a lack of ambient light (moon or starlight) may diminish the effective viewing distance.
- If you use the rubber eyecaps for a long period of time, you may suffer skin inflammation. If you develop any symptoms, consult a doctor immediately.

## TROUBLESHOOTING

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**Q:** Flashes, flickers, or clicking occur while operating

**S:** If it occurs within the first five minutes of inserting new batteries, it is normal and the device will resume normal operation soon thereafter. If it occurs for more than 10 minutes, contact your dealer or other authorized representative for instructions.

**Q:** Dark spots on screen.

**S:** These are cosmetic blemishes in the intensifier tube or dust particles accumulated on the screen. Just like a TV, night vision intensifier tubes attract dust particles. These are easily cleaned using photo-type cleaning equipment.

**Q:** Image not clear.

**S:** Adjust front lens at night. If problem persists, turn on IR.

**Q:** Fixed-pattern noise in a honeycomb shape.

**S:** Usually a cosmetic blemish characterized by a faint honeycomb-type pattern. It usually occurs when viewing very bright lights. Adjust the brightness of the unit to reduce noise.

**Q:** LED's keep turning off after a few moments.

**S:** This is the normal mode of operation. It will increase your scope batteries life and make you harder to detect

# 2 YEAR PRODUCT WARRANTY

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This product is guaranteed to be free from manufacturing defects in material and workmanship under normal use for a period of 2 (two) years from the date of purchase. In the event a defect that is covered by the foregoing warranty occurs during the applicable period stated above, ATN, at its option, will either repair or replace the product, and such action on the part of ATN shall be the full extent of ATN's liability, and the Customer's sole and exclusive remedy. This warranty does not cover a product (a) used in other than its normal and customary manner; (b) subjected to misuse; (c) subjected to alterations, modifications or repairs by the Customer or by any party other than ATN without prior written consent of ATN; (d) special order or "close-out" merchandise or merchandise sold "as-is" by either ATN or the ATN dealer; or (e) merchandise that has been discontinued by the manufacturer and either parts or replacement units are not available due to reasons beyond the control of ATN. ATN shall not be responsible for any defects or damage that in ATN's opinion is a result from the mishandling, abuse, misuse, improper storage or improper operation, including use in conjunction with equipment which is electrically or mechanically incompatible with or of inferior quality to the product, as well as failure to maintain the environmental conditions specified by the manufacturer. **CUSTOMER IS HEREBY NOTIFIED THAT OPERATION OF THE EQUIPMENT DURING DAYLIGHT HOURS OR UNDER ANY EXCESSIVE LIGHT CONDITIONS MAY PERMANENTLY DAMAGE THE INTERNAL COMPONENTS OF THE UNIT AND SAID DAMAGE WILL NOT BE COVERED UNDER THIS WARRANTY.** This warranty is extended only to the original purchaser. Any breach of this warranty shall be waived unless the customer notifies ATN at the address noted below within the applicable warranty period.

The customer understands and agrees that except for the foregoing warranty, no other warranties written or oral, statutory, expressed or implied, including any implied warranty of merchantability or fitness for a particular purpose, shall apply to the product. All such implied warranties are hereby and expressly disclaimed.

## LIMITATION OF LIABILITY

ATN will not be liable for any claims, actions, suits, proceedings, costs, expenses, damages or liabilities arising out of the use of this product. Operation and use of the product are the sole responsibility of the Customer. ATN's sole undertaking is limited to providing the products and services outlined herein in accordance with the terms and conditions of this Agreement. The provision of products sold and services performed by ATN to the Customer shall not be interpreted, construed, or regarded, either expressly or implied, as being for the benefit of or creating any obligation toward any third party of legal entity outside ATN and the Customer; ATN's obligations under this Agreement extend solely to the Customer. **ATN's liability hereunder for damages, regardless of the form or action, shall not exceed the fees or other charges paid to ATN by the customer or customer's dealer. ATN shall not, in any event, be liable for special, indirect, incidental, or consequential damages, including, but not limited to, lost income, lost revenue, or lost profit, whether such damages were foreseeable or not at the time of purchase, and whether or not such damages arise out of a breach of warranty, a breach of agreement, negligence, strict liability or any other theory of liability.**

## PRODUCT WARRANTY REGISTRATION

In order to validate the warranty on your product, ATN must receive a completed Product Warranty Registration Card for each unit or complete warranty registration on our website at [www.atncorp.com](http://www.atncorp.com). Please complete the included form and immediately mail it to our Service Center: ATN Corporation, 1341 San Mateo Avenue, South San Francisco, CA 94080.

## OBTAINING WARRANTY SERVICE

To obtain warranty service on your unit, please contact our Customer Service department and request an RMA number. Once you have received your RMA # please mark this # on the outside of the shipping box and take or send the product, postage paid, with a copy of your sales receipt to our service center, ATN Corporation at the address noted above. All merchandise must be fully insured with the correct postage; ATN will not be responsible for improper postage or missing or damaged merchandise during shipment. Packages that do not have an RMA # clearly marked on the outside of the package will be delayed in being processed.



For customer service and technical support, please contact  
American Technologies Network Corp.

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