

ATN OTIS-G7

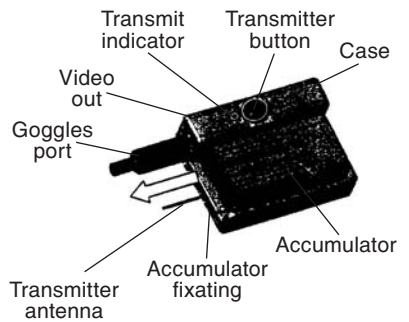
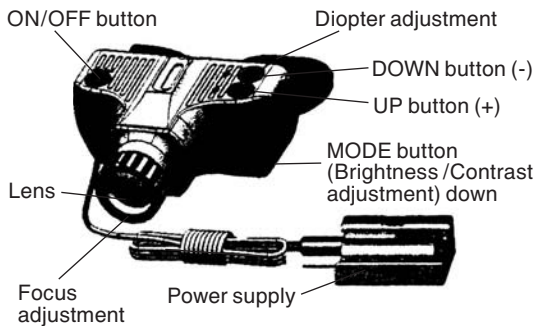


u s e r ' s g u i d e

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**AMERICAN
TECHNOLOGIES
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FEATURES

- High resolution digital thermal imaging
- Compact, light weight and durable housing
- Head and helmet mountable
- Tripod mountable
- High Quality Germanium lenses
- Video output (Standard RCA cable)
- Video/Image polarity selection, white-hot or black-hot

SPECIFICATIONS

System Specifications:

LensF25/ 1.1
 Dimensions (mm)150x126x74
 Magnification1.4

Weight0.45kg (0.9 lb)
 Field of view40°
 Battery7.4V, CGR-D16S

Thermal Specifications:

Focal Plane Array

Material & Structure: Amorphous Silicon Microbolometer (160 x 120 pixel array)
 Spectral Response: -14 μm (filter bandwidth)
 Thermal Sensitivity: ≤100 mK

Thermal Imaging System Performance

Start-up Time: ~ 5 sec
 Contrast/Brightness: Automatic Gain/Level Control Enhanced Image Processing
 Range to Detect: Human Activity Up to 1000 Feet (305 meters)

Output Format

Field of View: 17°horizontal X 12° Vertical Optics
 Focus: Manual adjust

Environmental

Operating Temperature: -4°F to 140°F (-20°C to 60°C)
 Storage Temperature: -40°F to 185°F (-40°C to 85°C)

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APPLICATION

The OTIS-G7 is a long wavelength infrared goggle system intended for law enforcement, Military and commercial uses. It is built around state of the art uncooled thermal imaging technology, highly integrated DSP-based electronics and a compact, light weight dual eye goggle system.

The OTIS-G7 thermal goggle provides the excellent image quality that is unaffected by lights or shadows that seriously hamper the image quality of image intensified night vision. Total darkness, camouflage or bright lights will not affect the sensitivity of these units.

The ATN OTIS-G7s superior performance, compact size, comfort of wear and cost efficiency makes it the perfect thermal imaging goggle.

OPERATION

- Charge the accumulator battery before use. Install the battery onto the power supply. The fixing must be hold on.
- Plug in the goggles to the port on the power supply.
- Place the power supply to the pocket or to the belt.
- Mount the goggles onto the headset. Get on the headset onto the head. Adjust the headgear for head size.
- Press the button ON/OFF to turn the unit on.
- Remove the lens cap.
- While looking through the goggles at an object, turn the diopter until the grain in the image is sharp.
- Next focus the front lens until the image and the grain are both sharp.

NOTE: *The front lens should be readjusted as you view objects at different distances.*

- Press the MODE button one time. The indicator of "Brightness" adjustment light on in the field of view. Change the brightness by pressing of buttons UP(+) and DOWN(-).
- Press the MODE button second time. The indicator of "Contrast" adjustment light on in the field of view. Change the contrast of image by pressing of buttons UP(+) and DOWN(-).
- Simultaneous pressing of three buttons MODE, UP and DOWN start the adjustment of "Red Balance". Adjust the the Red Balance by pressing of buttons UP(+) and DOWN(-).
- Second simultaneous pressing of three buttons MODE, UP and DOWN start the adjustment of "Blue Balance". Adjust the the Blue Balance by pressing of buttons UP(+) and DOWN(-).
- Simultaneous pressing of four buttons POWER, MODE, UP and DOWN set all parameters to the middle values.
- To turn the unit off, press the POWER button. Detach the power supply from goggles. Detach the accumulator from the Power Supply. Pack the unit to the caring case..

VIDEO TRANSMITTER (OPTIONAL)

- Plug the Transmitter to the VIDEO OUT connector.
- After devices switching-on push the TRANSMITTER button on the power supply. The signal transmission begin.
- Video receiver can be placed on the distance less 400m from transmitter.
- Plug the 12v adapter to the video receiver.
- Connect the videocable of receiver to TVset. Turn on the TVset in AV mode. You can see a black-white picture on the screen.
- Also you can record the video on the videorecorder.

TROUBLESHOOTING

- Q:** The image is absent on the screen of goggles.
- S:** The battery is not charged. Charge the battery in the adapter.
- Q:** The brightness of the image on the screen is low.
- S:** The battery has a low voltage. Charge the battery in the adapter.

1 YEAR PRODUCT WARRANTY

This product is guaranteed to be free from manufacturing defects in material and workmanship under normal use for a period of 1 (one) year 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. Please complete the form below and immediately mail it to our Service Center: ATN Corporation, 20 South Linden Ave., Suite 1B, South San Francisco CA 94080. Products qualifying for warranty repair will be either repaired or replaced within 10 business days of receipt of merchandise unless the customer is notified otherwise.

OBTAINING WARRANTY SERVICE

To obtain warranty service on your unit, 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.

For customer service and technical support, please contact

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