



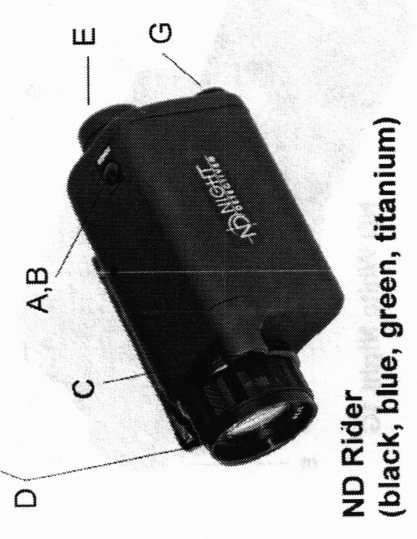
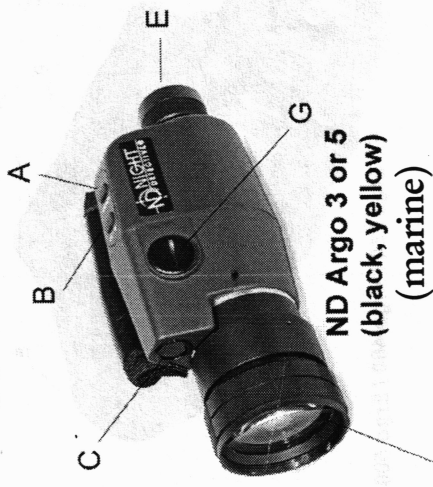
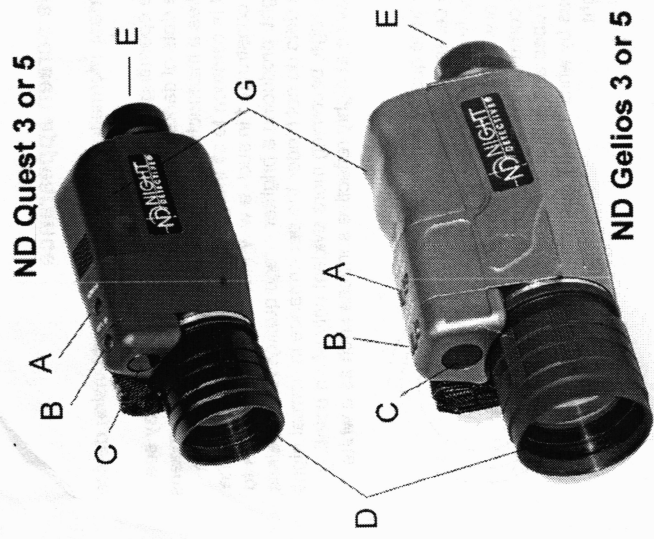
Owner's Manual

NIGHT DETECTIVE

MONOCULARS LINE

ILKO, Inc
www.nightdetective.com
 (718)272-1776

Model	NDQ3/NDG3	NDQ5/NDG5	NDE300	ND R 3	NDE250	NDE500	NDA3/Y	NDA5/Y	ND400	ND WN 1G
Generation	1/1+	1/1+	1	1	1	1	1+	1+	1	1+
Magnification	3.1x	5.0x	2.4x	2.4x	2.5x	5.0x	3.1x	5.0x	4.0x	3.5x
Range of view (ft)	585	650	556	556	575	650	575	650	625	800
Power Supply	2 AA	2 AA	2 AA	2 AA	2 AA	2 AA	3V lithium	3V lithium	2 AA	2 N
Weight (oz)	16	28	12	14	14	28	14	28	20	28
Dimensions (in)	7.2x2.4x3.2	8x2.4x3.2	6.4x2.4x2.5	6.4x2.3x2.9	7.2x2.3x3.3	8x2.4x3.2	7x2.2x3	8x2.2x3	8.4x4.5x2.2	9x2.6x2.5
Focal Length (in)	1.57	3.15	1.57	2.58	1.97	3.15	1.97	3.15	1.38	3.15
Aperture	1:1.2	1:1.7	1:1.2	1:1.2	1:1.2	1:1.7	1:1.2	1:1.7	1:1.7	1:1.8
FOV at 1000 yds	628 ft	524 ft	628 ft	628 ft	612 ft	524 ft	628 ft	524 ft	524 ft	524 ft
Focusing Range	8 ft - ∞	10 ft - ∞	5 ft - ∞	5 ft - ∞	5 ft - ∞	10 ft - ∞	5 ft - ∞	10 ft - ∞	12 ft - ∞	6 to - ∞



WARNING:

Do not remove lens cap while the unit is switched on. Do not switch on during daytime or in brightly illuminated environment without the protective lens cover on, as doing so will severely damage the device. This damage is not covered by the warranty.

General Information:

Night Vision monoculars equipped with Infrared (IR) Illuminator (C) can be used under low light condition as well as in complete darkness. IR Illuminator brightens the view in zero-light conditions.

Models ND Q3M, ND E250, ND E400, ND E500, and ND WN1G have a standard tripod mount at the bottom of the device.

Models NDA3, and NDA5 are waterproof and can be operated during rain or snow. These models, however, can not be used under water. We recommend drying up all devices with soft cloth after use in moist conditions.

1. Installing the batteries:

- 1.1. Put the protective lens cap on.
- 1.2. Open the battery compartment cover (G).
- 1.3. Put in the required batteries. Check the polarity diagram inside the battery compartment or on the compartment cover.
- 1.4. Put the compartment cover back on.

Models ND Q3, ND Q5, ND G3, ND G5, ND E250, ND E400, ND E500, ND R3 use two AA batteries.

Models ND A3 and ND A5 use CR2 type 3V lithium battery (DLCR2, ELCR2, KCR2)

Models ND E300, ND MS1 use two AAA battery.

Models ND WN 1G, ND WN 2G use two N size batteries

- 1.5. After the proper batteries are installed, the device is ready for operation.

2. Switching the unit on/off:

Models ND Q3, ND Q5.

- 2.1. Press button (A). The green indicator light will go on. To switch off, press button (A) again. The green indicator light will go off.
- 2.2. To switch the IR Illuminator on, press button (B). The red indicator light will go on. To switch off, press button (B) again. The red indicator light will go off.

Models ND A3, ND A5, ND E250, ND E400, ND E500, ND WN1G

- 2.3. To activate the device, press and hold the power button (A) for 5-7 sec. The green indicator light (if present) will go on. When the device is on, you can see the green image through the ocular. When the brightness goes down, press button (A) for 5-7 seconds again.

- 2.4. Switch the infrared illuminator on by pressing and holding button (B). The red indicator light (if present) will light up and stay on while you keep the button pressed.
- 2.5. The device will shut itself off automatically in about 1 minute.

Model ND R3:

- 2.6. In ND R3 Image Intensifier Tube (IIT) and IR Illuminator activator combined in one button.
- 2.7. To activate the Image Intensifier Tube and IR Illuminator press the button once.
- 2.8. The red light indicator located in the front of the unit will light up, indicating the device is activated.
- 2.9. To turn off the device (IIT and IR Illuminator) press the button again. The indicator light will switch off, indicating the device has been deactivated.

3. Focusing the device:

- 3.1. Direct your Night Vision monocular at an object approximately 100 Yards away.
- 3.2. Rotate the eyepiece (E) until image quality is the sharpest. This adjusts the monocular to your eyesight. It is not necessary to adjust the eyepiece again unless it was changed.
- 3.3. Direct the device at the subject of interest and adjust the main focus by rotating the objective lens barrel (D).

4. Maintaining and storing your device:

- 4.1. After you turn the unit off, the green image may still be seen in the viewer for some time. Make sure that all indicator lights are off before putting away the unit.
- 4.2. Remove the batteries if storing for an extended period of time (more than 24 hours).
- 4.3. Keep the unit in clean, dry, ventilated area avoiding dirt, and moisture. Avoid extreme cold or heat and severe temperature changes.
- 4.4. Do not disassemble or try to repair the device yourself, as doing so will void the warranty.
- 4.5. Do not keep the unit in direct sunlight.
- 4.6. Do not drop or exert force operating the device. Damage resulting from misuse is not covered by the warranty.
- 4.7. Clean the unit with soft dry fabric. Clean the lenses using the lens cleaning kit.
- 4.8. After a temperature change from extreme cold to warm, the device should be kept in the warm area for 5 hours before switching on.
- 4.9. Store your device in the accompanying carrying case along with a silica-gel pack.

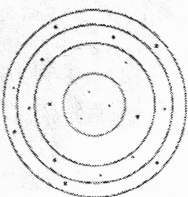
Caution: While testing the monocular in artificially illuminated conditions, or during the daylight, **NEVER** remove the protective cover from the objective lens! The lens cover has a small hole which allows sufficient amount of light for testing purposes.

Tube screen appearance

Important information concerning your night vision device:

While operating the Night Vision device a user may see some dots of darker or lighter intensity. This by no means signifies a malfunction or imperfection of the unit. Such effect is common to all Image Intensifier Tubes (IIT). The IIT is constructed in such a way that it is very sensitive to the light, producing a brighter image quality. Nonetheless, these dots do not hinder the performance in normal nighttime usage, becoming more evident only when pointing the device at highly reflective surfaces such as a white wall.

The image quality is most sharp in the center of the viewer and gradually decreases towards the outer area. This is also a normal effect common to all Image Intensifier Tubes and is due to the process by which the IIT gathers the light.



ND Ergo 250 / Ergo 400 / Ergo 500



ND White Night 1G



Night Detective® ONE-YEAR WARRANTY

ILKO, Inc; 1385 E94, BROOKLYN, NY. 11236
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Congratulations on the purchase of your new Night Detective® device. This document certifies that Night Detective® warrants this product to be free of defects in material and workmanship when used in accordance with the accompanying owner's manual. Night Detective® obligation under this Warranty shall be limited to the original purchaser to repair or replace the applicable product, free of charge within the specified period of warranty. This warranty is restricted to the original purchaser only and is not transferable. This warranty applies to products purchased in the United States only. If you purchased your product outside of the U.S.A., contact your local Night Detective® center or place of purchase.

This warranty does not apply to any Night Detective® products, which have been subjected to direct and/or indirect damage due to misuse, abuse, accident and alteration due to the attempt to repair a unit by a non-authorized repair representative. **This Warranty does not cover damage to the intensifier tube caused by using the unit in the daytime or in a lit environment.** Please refer to the precautions section of the owner's manual.

This Warranty is in lieu of all other warranties, expressed or implied and of all other obligations on our part. No representative or other person is authorized or permitted to make any warranty or assume for this company any liability not strictly in accordance with the abovementioned.

Throughout the Warranty period, Night Detective® or any of its affiliates or authorized repair agents will, at their discretion, repair or replace the defective device applicable by this warranty free of charge. When returning the unit to be fixed or substituted make sure you get the Return Authorization Number. This RA# has to be written on the package next to the address label. **The parcels without RA# will not be accepted.**

Verification of purchase in the form of **bill of sale or receipt** that is evidence that the unit is within the warranty period **must be presented** to attain warranty service. Please take the time to fill out the owner's registration information below and put it in the package when returning unit for repair.

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WARRANTY REGISTRATION CARD

Name: _____

Address: _____ City: _____ State: _____ Zip: _____ E-mail: _____

Home phone: (____) _____ Work phone: (____) _____ Fax: (____) _____

Model name: _____ Date of purchase: _____ Place of purchase: _____