



## LN-TB35-LRF (3.5-14x) & LN-TB50-LRF (5-20x)

LONG RANGE THERMAL BINOCULARS  
WITH BUILT-IN LASER RANGEFINDER

# THERMAL IMAGING

- INTEGRATED 700M LASER RANGE FINDER
- SHUTTER-FREE TECHNOLOGY
- OPTICAL MAGNIFICATION 3.5X OR 5.0X
- DIGITAL ZOOM 2X AND 4X
- DETECTION RANGE UP TO 1700M
- VIDEO OUTPUT
- IMAGE DISPLAY WITH INFORMATION SETTINGS;
- BLACK HOT / WHITE HOT AND 9 COLOR PALETTES IMAGE INVERSION
- POSSIBILITY TO USE EXTERNAL POWER SOURCE (12V)
- MANUAL ADJUSTMENTS OF SENSOR GAIN AND MICRO DISPLAYS BRIGHTNESS
- MOISTURE-CONTROL CARTRIDGE
- POSSIBILITY TO MOUNT TO A STANDARD 1/4" TRIPOD



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OUR NEW SHUTTER-FREE TECHNOLOGY THERMAL BINOCULARS ARE INTENDED TO BE USED FOR OBSERVATION, SEARCH AND DETECTION IN A GREAT VARIETY OF AMBIENT CONDITIONS (DAYLIGHT, TWILIGHT, NIGHTTIME) AS WELL AS LIMITED VISIBILITY (FOG, SNOW, RAIN ETC.). IT ALLOWS DETECTION OF MOVING AND STILL OBJECTS, WHICH HAVE TEMPERATURE CONTRASTING WITH ENVIRONMENT, (PEOPLE, ANIMALS, BUILDINGS, VEHICLES, ETC.) WE OFFER INDUSTRY-FIRST ACCURATE DISTANCE MEASURING WITH THE USE OF INTEGRATED LASER RANGEFINDER, ALLOWING FOR PRECISE DISTANCE MEASUREMENT IN CONDITIONS WHERE OTHER OPTICAL SIGHTS, INCLUDING TRADITIONAL NIGHT VISION SIGHTS ARE NOT ABLE TO FUNCTION WELL. ANOTHER UNIQUE FEATURES OF THESE BINOCULARS ARE THE ABILITY TO ADJUST THE SENSOR GAIN QUICKLY, ALLOWING TO SEE MORE CLEARLY BEHIND THE TARGET IN A VARIETY OF ATMOSPHERIC CONDITIONS (HIGH HUMIDITY ETC.) AS WELL AS THE MOST USER-FRIENDLY CONTROLS, WHICH RELY ON COMBINATION OF CLASSICAL MECHANICAL SWITCHES AND TURRETS AND JUST A FEW PUSH BUTTONS, ALLOWING FOR VERY QUICK LEARNING PROCESS AND EASY AND COMFORTABLE FIELD USE, EVEN WITH GLOVES. VIDEO OUTPUT ALLOWS VIEWING AND RECORDING ON EXTERNAL VIDEO SOURCES AND EXTERNAL POWER CONNECTOR ALLOWS FOR LONGER OPERATION TIME.

***Techincal Specifications on reverse side of this page.***



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# THERMAL IMAGING

## LN-TB35-LRF (3.5-14x) & LN-TB50-LRF (5-20x)

- SENSOR, ARRAY FORMAT/PIXEL PITCH ..... 384 x 288 / 17  $\mu$ M SHUTTER-FREE
- LENSES, FOCAL LENGTH, MM ..... F50 (F75)
- MAGNIFICATION ..... 3.5x (5.0x)
- DIGITAL ZOOM ..... 2x, 4x
- ANGLE OF VISION ..... 6.2° x 4.6°
- DIOPTRER ADJUSTMENT .....  $\pm$  4
- EYE RELIEF DISTANCE ..... 25MM
- SPECTRAL RESPONSE ..... 8-14
- FRAME RATE ..... 50HZ
- PALETTE INVERT ..... BLACK HOT / WHITE HOT + 9 COLOR PALETTES
- POWER SUPPLY (TYPE OF BATTERIES) ..... 9V / 3XCR123A
- OPERATING TIME (AT 20°C) ..... 5HRS
- OPERATING TEMPERATURE RANGE, °C (WITH REMOTE SOURCE) ..... -20 / +50
- DETECTION RANGE (HUMAN OBJECT 1.8M) ..... MIN 1,200M (MIN 1,700M)
- INTEGRATED RANGEFINDER MEASUREMENT RANGE ..... 10 – 700M
- DEGREE OF PROTECTION ACCORDING TO IEC 60529 (BY ORDER) ..... IPX5 (IPX7)
- DIMENSIONS, MM ..... 165 x 139 x 66
- WEIGHT, KG ..... 1.4



LN-TB50-LRF (5-20x)



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**QUALITY YOU CAN SEE...EVEN IN THE DARK.®**