

# LN-QD-B50-PRO

QUANTUM DIGITAL DAY-NIGHT VISION BINOCULAR



**LN-QD-B50-PRO** OPENS A NEW CHAPTER IN DIGITAL NIGHT VISION TECHNOLOGY. ARMED WITH THE NEWEST GROUND-BREAKING QUANTUM DIGITAL™ IMAGE SENSOR, IT PICKS UP THE TORCH FROM OUR BEST-SELLING G3 LINE OF BINOCULARS AND BRINGS IT TO NEW HEIGHTS OF PERFORMANCE. WITH 30% BETTER LOW LIGHT SENSITIVITY COMPARED TO THE G3 SENSORS, IT PROVIDES MUCH BETTER NIGHTTIME VISIBILITY AND TOGETHER WITH OUR PROPRIETARY ULTRA NIGHT VISION MODE, IT ALLOWS YOU TO SEE MORE DETAILS AT NIGHTTIME WITHOUT USE OF IR ILLUMINATOR. FEATURING MOTION-STABILIZED HD VIDEO RECORDING UP TO 2560X1440 (TRUE 2K) RESOLUTION AND CAPTURES DETAILED 16.1 MP STILL IMAGES. BINOCULARS ALLOW YOU TO STORE DATA UP TO 512GB MICRO-SD MEMORY CARD OR STREAM IT LIVE TO YOUR IOS OR ANDROID DEVICES VIA WI-FI. WITH THE MATCHING PAIR OF BRAND-NEW RUGGED AMOLED COLOR DISPLAYS INSIDE THE EYEPIECES, YOU ARE ABLE TO OPERATE THE DEVICE IN FRIGID COLD TEMPERATURES AS LOW AS MINUS 30 DEGREES CELSIUS (-22F) AND WILL GET AN UNPARALLELED VIEWING EXPERIENCE EITHER IN VIVID NATURAL COLOR OR BRIGHT MONOCHROME MODES LIKE BLACK-AND-WHITE, 'NIGHT VISION GREEN PHOSPHOR,' 'NIGHT VISION WHITE PHOSPHOR' AND AMBER COLORS. TO INCREASE THE CONTRAST EVEN MORE DURING THE DAY, THE UNIT ALSO INCLUDES A FIRST-IN-THE-INDUSTRY AUTOMATIC INTERNAL DAYLIGHT COLOR-ENHANCING FILTER (ALSO DOUBLES AS AN IR FILTER), WHICH ENHANCES COLORS TO THEIR NATURAL HUE AND SPECTRUM DURING DAYLIGHT, WHILE BLOCKING THE INFRARED LIGHT AND AT NIGHTTIME, ONCE THE IR ILLUMINATOR IS ACTIVATED, THE FILTER AUTOMATICALLY DISCONNECTS AND NOW IR LIGHT CAN BE FULLY UTILIZED BY THE IMAGE SENSOR TO ALLOW FOR FULL NIGHTTIME ILLUMINATION. A FULLY INTEGRATED LASER RANGEFINDER HELPS YOU OBTAIN DISTANCE INFORMATION UP TO 1500M OR 1635YDS – UNMATCHED FOR ANY COMMERCIAL DIGITAL NIGHT VISION AND THE MIGHTY INFRARED ILLUMINATOR IN COMBINATION WITH SUPER LIGHT SENSITIVE IMAGE SENSOR ALLOWS EXTENDING THE VISIBILITY RANGE TO 600M (654 YARDS) AWAY IN NEAR DARKNESS.

THE ERGONOMICALLY CONTOURED BODY WITH RUBBER INSERTS AND KNURLED FOCUSING RINGS OFFER COMFORTABLE AND SNUG GRIP, AND THE INCLUDED DELUXE CASE KEEPS IT CLEAN AND DUST-FREE DURING TRANSPORT AND STORAGE. ABLE TO OPERATE FOR UP TO 4.5 HOURS ON READILY AVAILABLE CR123A BATTERIES, CONNECT TO AN HDTV MONITOR VIA STANDARD HDMI OUTPUT OR RUN FROM EXTERNAL 5V/2A POWER BANK VIA STANDARD USB-C POWER INPUT, THIS BINOCULAR CAN BECOME A FAITHFUL PARTNER ON YOUR NIGHT OR DAY ADVENTURE FOR YEARS TO COME.



## FEATURES

### SENSOR, DISPLAY, WI-FI, MEMORY

- QHD CMOS QUANTUM DIGITAL™ SENSOR
- ALLOWS FOR SAFE DAY AND NIGHT OBSERVATIONS
- 5360 X 3008, 16.1 MP STILL IMAGES
- 60/30 FPS VIDEO CAPTURING IN VARIOUS HD FORMATS
- ELECTRONIC IMAGE STABILIZATION
- NEW AMOLED DISPLAYS DELIVER VIVID IMAGES AND OPERATE AT MUCH COLDER TEMPERATURES.
- DAYTIME COLOR, NIGHTTIME COLOR, B&W, 'NV GREEN PHOSPHOR', 'NV WHITE PHOSPHOR' AND AMBER COLOR MODES
- WI-FI VIDEO STREAMING TO IOS OR ANDROID
- UP TO 512GB MICROSD MEMORY CARD SLOT

### LASER RANGEFINDER, OPTICS, ILLUMINATOR

- LASER RANGEFINDER 1500M (1635YDS)
- INTEGRATED IR ILLUMINATOR (850NM)
- 50MM, F/1.0, ALL-GLASS OPTICAL SYSTEM
- WIDE 10° ANGULAR FIELD OF VIEW AT 6X
- 36X MAXIMUM DIGITAL MAGNIFICATION
- AUTOMATIC (INTERNAL) IR/DAYLIGHT COLOR ENHANCING FILTER

### BUILD AND ERGONOMICS

- USB-C POWER PORT
- HDMI OUTPUT (1080P)
- -22°F TO 122°F TEMPERATURE RANGE
- KNURLED RINGS ASSURE A TIGHT GRIP.
- ERGONOMIC EXTERNAL DESIGN
- FOLDING RUBBER EYECUPS
- SILENT PUSH BUTTONS

### ACCESSORIES INCLUDED

- DELUXE CASE
- PADDED NECK STRAP
- UP TO 512GB MICROSD MEMORY CARD SLOT
- USB-C CABLE
- HDMI CABLE

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

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## TECHNICAL SPECIFICATIONS

- **SENSOR TYPE:** CMOS, QUANTUM DIGITAL™, QHD SENSOR
- **SENSOR RESOLUTION:** 2560X1440 PIXELS
- **SENSOR LIGHT SENSITIVITY:** 0.0015 LUX
- **DISPLAYS:** 1024X768 AMOLED 0.39 IN (0.99 CM)
- **IMAGE COLOR MODES:** DAYTIME COLOR, NIGHTTIME COLOR, B&W, NV GREEN PHOSPHOR, NV WHITE PHOSPHOR AND AMBER
- **STILL IMAGE RESOLUTION:** 5360X3008, 16.1 MP
- **VIDEO RESOLUTION:** 60 FPS: FHD; 30 FPS: QHD, HD
- **IMAGE STABILIZATION:** YES, ELECTRONIC (AVAILABLE AT OPTICAL 6X ONLY)
- **WI-FI TRANSMITTER:** YES
- **MOBILE COMPATIBILITY:** IOS, ANDROID
- **MAGNIFICATION:** 6X-36X
- **OBJECTIVE LENS:** 50MM, F/1.0
- **MINIMUM FOCUSING DISTANCE:** 80CM (2.6FT)
- **LASER RANGEFINDER MAX RANGE:** 1500M (1635YDS)
- **NIGHTTIME VISIBILITY RANGE:** 600M (654YDS)
- **INTEGRAL IR ILLUMINATOR:** YES, 850NM, 1W, CLASS-3R
- **FIELD OF VIEW:** 10° AT 6X OPTICAL MAGNIFICATION
- **MEMORY CARD SLOT:** MICRO-SD, UP TO 512GB
- **BATTERY TYPE / POWER OPTIONS:** FOUR 3V CR123A BATTERIES / 5V/2A POWER BANK
- **OPERATING TIME, BATTERIES / POWER BANK:** 4.5HRS (IR OFF) / UP TO 24HRS CAPACITY LIMITED
- **OPERATING TEMPERATURE:** -22°F TO 122°F (-30°C TO 50°C)
- **VIDEO OUTPUT:** MICRO-HDMI (1080P)
- **EXTERNAL POWER PORT:** USB-C
- **DIMENSIONS:** 190 X 126 X 76 MM (7.5" X 4.9" X 2.9")
- **WEIGHT:** 800G (1.76LBS)
- **WARRANTY:** 2YRS



LN-QD-B50-PRO-Rev2024

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