# LEICA RANGEMASTER CRF 1600-B LASER RANGEFINDER



Precise Rangefinder With Built-In Ballstics Computer

Leica's compact monocular rangefinder features an integrated ballistics computer that automatically adjusts for barometric pressure, temperature and angle of incline.

The eye-safe invisible laser gives true target range in meters or yards out to 1,600 yards, no matter how steep the angle or what the altitude is. The scan feature lets you constantly range moving targets. The Rangemaster 1600-B also lets you choose data output from three different modes, depending on what kind of scope you use: inches of holdover for traditional-reticle hunting scopes, true hold distance for scopes with ballistic reticles or ballistic turrets, and MOA adjustments for Mil-Dot reticles. It includes data on a variety of ballistic curves to help you match your particular load's performance as closely as possible. The featherweight carbon-fiber reinforced body and magnesium chassis means you can easily carry it all day long. The Aqua-Dura lens coating repels dirt and water. Runs on one 3v lithium battery, included.

#100-011-162AN Leica Rangemaster CRF 1600-B Rangefinder, 9E799Q00 . . . . . . \$ 799.00



### SWAROVSKI EL SWAROVISION BINOCULARS

#### Elegant, Compact Design & Superb Functionality

The EL series binoculars provide a razor-sharp display up to the image periphery for capturing important details at lightning speed. They give you high-contrast, color-neutral observation, with a 100% field of view - even for users who wear eyeglasses enabling you to make out crucial details even better. Coatings are optimized for superb transmission values and impressive viewing experiences, even in poor light conditions. The SWAROCLEAN treatment makes cleaning the lenses easy, too. The lightweight,



balanced housing has non-slip rubber armor coating, and it's extremely comfortable - perfect for long periods of observation. An ergonomically shaped focus wheel requires only two complete turns to go from infinity to an astonishingly short 4.9 ft. focus.

Items ship directly from manufacturer. Please allow 5 ad ditional business days for shipping.

#100-011-800AN	8x32 EL Swarovision,	
	7Z2199K00\$	2,199.00
#100-011-803AN	8x32 EL Swarovision Traveler,	
	7Z2199E00	2,199.00
#749-011-203AN	8.5x42 EL Swarovision,	
	7Z2529E00	2,529.00
#100-011-802AN	10x32 EL Swarovision,	
	7Z2299C00	2,299.00
#100-011-804AN	10x32 EL Swarovision	
	Traveler, 7Z2299A00	2,299.00
#749-011-205AN		
	7Z2579A00	2,579.00
#100-011-805AN	10x50 EL Swarovision,	
	7Z2769E00	2,769.00
#100-011-806AN	12x50 EL Swarovision,	
	7Z2829E00	2,829.00



#### SWAROVSKI BINOCULARS

Superb Edge-To-Edge Clarity; Range-Finding Model Available

The Swarovski name is synonymous with the highest quality optics. Swarovski binoculars combine advanced roof prism technology with highly specialized coatings to provide extraordinarily bright images. Field Flattener lenses give consistent edge-to-edge clarity and natural reproduction of shapes and colors while virtually eliminating the "rolling ball" edge distortion when panning. Magnesium frames provide a rugged housing that's less dense than aluminum so it keeps Swarovski binoculars light enough to pack everywhere. Adjustable eye cups let you find the perfect eye relief, even if you wear glasses, and the dioptric adjustment rings let you quickly and easily adjust for any differences between eyes. Swarovski binoculars come with an attractive nylon carrying case, lens caps, neck strap, manual and other accessories.

#### **EL RANGE BINOCULARS**

EL Range binoculars combine an advanced laser rangefinder with Swarovski EL binoculars, creating an all-in-one system that lets you see and range targets in the field at the push of a button. The range finder reads in both meters and yards, and works from 30 yards out to 1,500 yards, both



on stationary targets and moving targets in scan mode. It includes an inclinometer and gives both the actual range and corrected range for shooting at steep angles. Available in both 8x and 10x, the EL Range runs on one CR2 battery, included.

#100-011-783AN	EL Rangefinding Binoculars,	
	8x, 7Z3129I00	\$ 3,129.00
#100-011-784AN	EL Rangefinding Binoculars,	
	10x, 7Z3179K00	3,179.00

#### **CL COMPANION**

Swarovski's CL Companion binoculars offer their customary high-quality glass and lens coatings in a compact, lightweight package that forms one of the smallest 30mm binoculars available. Weighing only about 18 oz. and measuring only 4.7" long, CL Companion binoculars can focus on objects as



close as 9.8 feet away. Available in 8x and 10x, CL Companion binoculars represent a great entry-level model for high-end optics

#100-011-781AN	<b>CL Companion Binoculars,</b> 8x, 7Z979Q00	\$ 979.00
#100-011-782AN	CL Companion Binoculars, 10x, 7Z1059J00	1,059.00

#### **ELITE DISTRIBUTORS LENSPEN**



Clean Scope Lenses Without Surface Damage

Pocket sized cleaning pen features a unique circular tip with special cleaning compound that

leaves the lens spotless without damaging the lens surface or coating. Includes a retractable brush for removing loose particles, plus a flexible tip that easily bends to match the contour of the lens and reach into the tightest corners for complete removal of stubborn debris. Air tight cover prevents the cleaning tip from drying out, plus automatically replenishes it with cleaning compound each time it's installed. Environmentally safe. MiniPro is specially designed to fit smaller optical lenses. Recommended for lenses between 7mm - 13mm in diameter. Lenspen is recommended for lenses 13mm diameter and larger.

SPECS: Housing - Polymer, black or sliver. Brush - Natural bristles.
<b>LensPen -</b> 4 <sup>15</sup> / <sub>16</sub> " (12.5cm) long x <sup>11</sup> / <sub>16</sub> " (1.7cm) dia. Tip - <sup>1</sup> / <sub>2</sub> " (13mm) dia.
<b>MiniPro -</b> $3^{1}/2^{m}$ (9.1cm) long $x^{-11}/16^{m}$ (11mm) dia. Tip $-\frac{5}{16^{m}}$ (7.9mm) dia.
<b>#100-003-512AN LensPen,</b> Black, <i>9B10C36</i> <b>\$ 11.99</b>
<b>#100-003-513AN MiniPro,</b> Silver, <i>9B10D36</i> <b>11.99</b>

### **INTRODUCTION TO NIGHT VISION**

Night vision devices (NVD) gather ambient light through the front lens, multiply it, and display the image through the eyepiece – typically with a green tint or in black and white. NVDs are classified by their "generation" of development. **Generation 1** devices multiply available light by approximately 1,000 times. **Generation 2** devices multiply light by approximately 20,000 times. Generation 2 also includes Commercial Grade Tubes (CGT) and High-Performance Tubes (HPT); both increase the resolution and tube life as compared to standard Gen 2 technology. Another variant of Gen 2 is White Phosphor Technology (WPT), which displays the image in black and white for better contrast and resolution. **Generation 3** devices – currently used by the U.S. Military – multiply existing light by approximately 50,000 times. Gen 3 also includes "Generation 3A" optics that are an improvement in resolution over standard Gen 3 systems. **Generation 4** – an ATN innovation – uses proprietary, state-of-the-art technology that enables greater target detection range, higher resolution, and reduces the "halo" effect created by street lights, vehicle lights, and similar light sources.

#### ATN ARIES MK

#### NIGHT VISION WEAPON SIGHTS

Gen 1+ Night Vision Sights Ideal For Law Enforcement, Military or Hunting Applications

Rugged night vision weapon sight is ideal for nighttime law enforcement, military or hunting applications. Fully multi-



coated optics combine with ATN's high-resolution Generation 1+ image intensifier tube to amplify ambient light by approximately 1,000 times. Brightness-adjustable, green-on-red cross-hair

reticle adjusts in precise ½ MOA increments to ensure accurate shots on targets out to 200 yards under full moonlight conditions. The detachable 450mW infrared illuminator increases light to enable better target identification when ambient light is at a minimum. Easy-to-operate controls make this water- and fog-resistant unit very user-friendly. Attaches to Picatinny or Weaver-style rails. Models available with 2.5x, 4x, and 5x magnification levels.

SPECS: Aluminum, hardcoat anodized, matte black. Mounts to

Picatinny or Weaver-style rails. Battery life: approximately 40 hrs. Operating temperature range: -59°to 113°F (-51 to 45°C). Water and fog resistant. Includes (2) CR-123 batteries, IR450 illuminator, mounting tools, carry bag, and instructions.

FOV DIMENSIONS LXWXH WEIGHT PRICE

STOCK #	MODEL	GEN.	MAGNIF.	RESOLUTION	FOV	DIMENSIONS LXWXH	WEIGHT	PRICE
#100-010-903AN	MK350	1+	2.5x	40 lp/mm	14°	11.5" x 3.2" x 4.1"	2.8lbs/1.3kg	2H399A00 \$ 399.00
#100-010-904AN	MK390	1+	4x	40 lp/mm	12°	11.5" x 3.3" x 4.1"	3.2lbs/1.5kg	2H449B00 \$ 449.00
#100-010-905AN	MK410	1+	5x	40 lp/mm	10°	11.5" x 3.6" x 4.3"	3.7lbs/1.7kg	2H499J00 <b>\$ 499.00</b>

## ATN NIGHT ARROW ON SIGHT



Weapon-Mounted NVD Delivers Superb Nighttime Observation & Sighting

High-performance night vision weapon sight allows you to spot and sight targets that would otherwise be concealed by darkness. ATN's "Red-On-

Green" reticle with illuminated red center dot provides a clear aiming reference for targets out to approximately 300 yards in full moonlight. One-knob operation and automatic brightness control makes this weather-resistant unit easy and straightforward to use. Detachable 450mW infrared illuminator provides additional illumination for a higher-contrast image when ambient light is at a minimum. Attaches easily and quickly to Picatinny or Weaver-style rails. Available in 2x, 4x, or 6x magnifications with a choice of Standard Gen 2 tube or Gen 2 CGT tube. Ships directly from manufacturer. Please allow 5 additional business days for shipping.

STOCK #	GEN.	MAGNIF.	RESOLUTION	ADJUSTMENTS	FOV	TUBE LIFE	MODEL	PRICE
#100-010-948AN	2	2x	40-45 lp/mm	½ MOA	17°	5,000 hrs	Night Arrow 2-2	2H1299I00 \$ 1,299.00
#100-010-949AN	2 (CGT)	2x	45-54 lp/mm	½ MOA	17°	10,000 hrs	Night Arrow 2-CGT	2H1399M00 \$ 1,399.00
#100-010-950AN	2	4x	40-45 lp/mm	1/4 MOA	7.5°	5,000 hrs	Night Arrow 4-2	2H1399M00 \$ 1,399.00
#100-010-951AN	2 (CGT)	4x	45-54 lp/mm	1/4 MOA	7.5°	10,000 hrs	Night Arrow 4-CGT	2H1499J00 \$ 1,499.00
#100-010-953AN	2 (CGT)	6x	45-54 lp/mm	1/6 MOA	5°	10,000 hrs	Night Arrow 6-CGT	2H1599K00 \$ 1,599.00

BROWNELLS

ONLY THE BEST ... PAGE 25

SATISFACTION GUARANTEED
SINCE 1939

Office/Tech: 641-623-5401

#### **DIGITAL NIGHT VISION MONOCULAR**

Compact NVD Fits Comfortably In Palm & Turns Night Into Day -In Full Color

Affordable night vision monocular employs the latest vivid color display technology give the



user a sharp, full-color image, even in the darkest conditions. Advanced low-light sensor technology combines with a powerful, fully-integrated IR illuminator to ensure the unit delivers maximum performance. Adjustable gain/brightness control and diopter allow users to fine-tune picture quality and clarity for their specific eyesight. Compact, ergonomically designed body fits comfortably in the palm of your hand.

SPECS: ABS polymer housing, black. 16 oz. (453g) wt. Focus range: 5 yards/meters to infinity. Operating temperature range: -22°F (-30°C) to 140°F (60°C). CR-123A battery and instructions included.

STOCK #	MODEL	MAGNIFICATION	OBJ. DIAMETER	FOV	DIMENSIONS	PRICE
#100-011-193AN	DNVM-2	2x	24mm	15°	7"x 3"x 2½ "	2H199A00 \$ 199.00
#100-011-194AN	DNVM-4	4x	42mm	12°	71/4"x 3"x 21/2"	2H249L00 \$ 249.00
#100-011-195AN	DNVM-6	6x	52mm	8°	7½"x 3"x 2½"	2H299C00 \$ 299.00

#### — ATN -

#### **NVM14 NIGHT VISION MONOCULAR**

Brings Light To The Darkness: Gen 2, 3 & 4 Models Available

Ultra-versatile, high-performance night vision monocular allows you to continue your hunt, hike, or surveillance activities well after sunset. Excellent for law enforcement, military, or hunting/spotting applications,



this compact unit may be carried in the hand or mounted to your rifle for convenient hands-free operation (Picatinny mount

sold below). ATN's Total Darkness Technology enables you to see vivid images - even when ambient light is minimal - using an integrated, infrared light-emitting source. Compatible with most IR lasers, night-vision compatible red-dot sights, and cameras, the waterproof NVM14 features easy-to-operate controls, auto-brightness adjustment, and bright-light cutoff to keep you from being dazzled and losing awareness due to sudden light exposure. Ships directly from manufacturer. Please allow 5 additional business days for shipping.

SPECS: Polycarbonate resin. black, 4.7" (12cm) long x 1.9" (4.9cm) wide x 2.7" (6.9cm) tall). 12 oz. (340g) wt. Approx. 50 hour battery life. FOV 40°. Includes one CR-123 battery, battery adapter, neck

cord. carry case, and instructions.

STOCK #	MODEL	GENERATION	RESOLUTION	SIGNAL TO	PHOTOCATHODE TYPE	DISPLAY	TUBE LIFE	PRICE
#100-010-895AN			40-45 lp/mm	12-20	Multi-Alkali	Green	5.000 hrs	2H1699H00 \$ 1.699.00
						Green		
#100-010-896AN	NVM14-CGT	2 (CGT)	45-54 lp/mm	16-22	Multi-Alkali	Green	10,000 hrs	2H2199G00 <b>\$ 2,199.00</b>
#100-010-897AN	NVM14-HPT	2 (HPT)	54-72 lp/mm	16-24	Multi-Alkali	Green	10,000 hrs	2H2099H00 <b>\$ 2,099.00</b>
#100-010-900AN	NVM14-WPT	2 (WPT)	60-74 lp/mm	18-26	Multi-Alkali	Black/White	10,000 hrs	2H2699P00 \$ 2,699.00
#100-010-898AN	NVM14-3	3	64 lp/mm	22 Typical	GaAS	Green	10,000 hrs	2H2999P00 \$ 2,999.00
#100-010-899AN	NVM14-3A	3	64-72 lp/mm	26 Typical	Thin Film GaAS	Green	10,000 hrs	2H3199J00 \$ 3,199.00
#100-010-901AN	NVM14-4	4	64-72 lp/mm	25-30	Filmless GaAS	Green	10,000 hrs	2H5199Q00 \$ 5,199.00

 $\textbf{NVM14 PICATIONY MOUNTADAPTER} \cdot Quickly secures to the integrated cross-slot on NVM14 mon-slot of the control of the contr$ oculars to enable them to be installed on a Picatinny rail for convenient, weapon-mounted operation. SPECS: Aluminum, hardcoat anodized, matte black. Fits on Picatinny rails.



#### — ATN —

#### ThORTHERMAL WEAPON SIGHT

Heat-Detecting Weapon Sight Pierces Darkness, Fog & Smoke

Thermal Optical Riflescope employs advanced thermal imaging technology to allow you to spot and target heat-emitting sources through dense fog, heavy smoke, and even total darkness. Developed for law enforcement and



military applications, these water/dustproof sights can detect definable heat signatures at distances in excess of 600 yards, depending on model. High-resolution OLED color screen acts as your target viewfinder, and displays an icon-based menu that allows you to select polarity modes, reticle color, and windage/elevation adjustments. Four reticle options: 4 bars with or without center dot, and 3 bars with or without the center dot. Video-out

connection so that you can record your operation. The integrated E-Zoom feature, for spotting only, enables you to view your target under a higher magnification level (not recommended for actual sighting). Integral mount clamps to MIL-STD Picatinny Rail. Models are available in 1x, 1.5x, 3x, or 4.5x magnification, with a choice of two frame rates, 30 Hz frame rate refreshes 30 times/ second for fast imaging; 60 Hz frame rate refreshes 60 times/ second for enhanced imaging and ultra-smooth tracking. ATN Video Output Cable measures 6" long and connects sights to a TV or similar device using standard RCA connections; sold separately below. Ships directly from manufacturer. Please allow

5 additional business days for shipping.

SPECS: 6061 T6 aluminum. Type III hardcoat anodized, matte black. 320x240 image resolution; (\*) indicates 640x480 resolution. Reticle colors: Red, Green, Blue, Black, or White. Polarity modes include white-hot, black-hot, or multi-color. Attaches to MIL-STD 1913 Picatinny rails. 8+ hour battery life. Uses (2) CR-123 batteries included

	SIGHTING	FRAME	E-ZOOM	HEAT SIG.					
STOCK #	MAGNIF.	RATE	MAGNIF.	RECOGNTN	FOV	EYE RELIEF	LENGTH	WEIGHT	PRICE
#100-010-910AN	1x	60Hz	2x, 4x	245 yards	24°h x 18°v	1.1" (2.8cm)	6.7" (17.1cm)	1.5 lbs (.68kg)	2H4499K00 \$ 4,499.00
#100-011-473AN	1.5x*	30Hz	3x, 6x, 12x	400 yards	21°h x 16°v	1.1" (2.8cm)	6.7" (17.1cm)	1.5 lbs (.68kg)	2H9999L00 \$ 9,999.00
#100-010-912AN	3x	60Hz	6x, 12x	435 yards	9°h x 7°v	1.1" (2.8cm)	8" (20.3cm)	1.9 lbs (.85kg)	2H6999N00 \$ 6,999.00
#100-010-909AN	4.5x	30Hz	9x, 18x	655 yards	6°h x 4.7°v	1.1" (2.8cm)	8" (20.3cm)	1.9 lbs (.85kg)	2H7499H00 \$ 7,499.00
#100-010-913AN	4.5x	60Hz	9x, 18x	655 yards	6°h x 4.7°v	1.1" (2.8cm)	8" (20.3cm)	1.9 lbs (.85kg)	2H7999A00 \$ 7,999.00

#### MOROVISION -

#### **NEPVS-14 NIGHT ENFORCER®** MONOCULAR NIGHT VISION SYSTEM

A Highly Adaptable, Combat-Proven, Night Vision System For The Most **Demanding Law Enforcement** Applications

Highly versatile, multi-function Gen 3 night vision device can be operated handheld or helmet-/ head-/ weapon-mounted or even adapted to a video recording device. Designed

for the most demanding night time law enforcement applications, the NEPVS-14's lightweight, single-battery design features the latest image intensifier technology. Generation 3 ITT Pinnacle® Image Intensifier Tube with variable gain control lets you adjust image brightness from 25 to 3,000+ fL/fL to adapt to different lighting conditions. High-resolution 64 lp/mm (Typ) high-gain and high-photoresponse in visible and near-infrared. For outstanding operational simplicity, the NEPVS-14 runs on one, ordinary AA battery; 50 hours runtime at room temperature. Standard accessories included with the base unit consist of:

- · Head Mount Assembly and Brow Pad for secure, direct fit to the head and hands-free operation
- Helmet/Head Mount Adapter that enables the user to position the monocular in front of either eye.
- Eye Cup to prevent the emission of stray light or facial
- · Daylight Filter to filter out excessive light and protect the objective lens from the elements
- Demist Shield that snaps onto the eyepiece to prevent condensation from forming on the optics.
- · Sacrificial Window to shield the front objective optic from sand, dust and dirt
  - Diopter Lens Cap to protect diopter lens from the elements
- Soft carrying case for the NEPVS-14 unit itself, plus a separate soft carrying case with shoulder strap for convenient storage of the entire NEPVS-14 suite with accessories

• Special lens paper for gentle cleaning of the objective and eveniece glass surfaces

The NEPVS-14 is also available in three kits, sold below, with additional accessories tailored to specific user needs. Ships directly from manufacturer. Please allow 30 additional business

days for shipping. 'SPECS: 4.5" (11.3cm) long x 2" (5.1cm) wide x 2.25" (5.7cm) high. 12.4 oz (351.5g) wt., including battery. Magnification: 1x. Field of view: 40 ±2°. Objective lens: F/1.2. Eyepiece lens: EFL 26mm. Diopter adjustment: +2 to -6 diopters. Range of focus: 25cm to infinity. Includes Operator's Manual.

#### #100-008-146AN NEPVS-14 Monocular NVD,

4D3795F00...... \$ 3795.00

FIRST RESPONDERS KIT - Contains critical gear most often requested by first-response teams. Kit includes the basic NEPVS-14 system described above, plus a military-type 3x Magnifier lens, magnetic compass, 2 dual-function IR laser sticks, and an SKB hard-molded polymer carry case. Ships



directly from manufacturer. Please allow 30 additional business days for shipping.

#100-008-149AN NEPVS-14 First Responders Kit, 4D4460P00 . . . . . . . . . . \$ 4,460.00

HELMET MOUNT KITS - Two separate kits specifically developed for use with MICH or PAS-GT helmets. Each kit contains the  $basic\,NEPVS\text{-}14\,system\,described$ above, plus a Helmet Mount Assembly, military-type 3x Magnifier lens, magnetic compass, 2 dual-function IR laser sticks, and an SKB hard-molded polymer carry case. Ships directly from manu-



facturer. Please allow 30 additional business days for shipping.

#100-008-147AN NEPVS-14 Monocular Delta Kit, 4D4749N00 . . . . . . . . \$ 4749.00

#100-008-148AN NEPVS-14 Delta PASGT Kit, 

#### — MOROVISION ——

### **AN/PVS-22 UNIVERSAL NIGHT SIGHT**



Add-On Unit Gives An Existing Scope Full Night Vision Capability

High-resolution night vision weapon sight quickly mounts on any MIL-STD 1913 Picatinny rail interface forward of an existing scope to add night vision capability to daytime target acquisition platforms. No tools

installation: built-in throw-lever mount clamps to the Picatinny rail ahead of scope. Permanent boresight alignment - unit can be installed and removed without affecting boresight. Can also be mounted on a spotting scope, used as a hand-held device, or adapted to other operational requirements. Shock Mitigation System<sup>TM</sup> protects electronics so the unit to be mounted on weapons up to and including .50 caliber bolt action rifles. Opti-



mized for use on M16, SCAR-H, M24. M110, and long-range rifles chambered in .300 Win Mag. and .338 Lapua. Uses the thin-film, auto-gated Generation 3 ITT Pinnacle® Image Intensifier Tube. Fast f/1.15 catadioptric lens gives an exceptionally bright, sharp image in starlight. Runs on two (2) type AA batteries;

40 hours runtime at 70° F. Ships directly from manufacturer. Please allow 30 additional business days for shipping.

SPECS: 7.1" (18cm) long x 3" (7.6cm) wide x 3" high. 50 oz. (1.9 kg) wt. Magnification: 1x. Field of view: 13°. Objective lens: f/1.12, 68mm. Range of focus: 10mm to infinity. Boresight accuracy: 1 MOA or better. Boresight repeatability: within ½ MOA or better. Reticle adjustment step size: 0.2 mil. Compatible day scope magnification: 1x to 12x

#100-008-144AN AN/PVS-22 Universal Night Sight, 4D10089M00.....\$ 1,0089.00



#### **GG&G PVS-14 QD MOUNT**

**Enables Fast Switch From Helmet-Mounted** To Firearm-Mounted Operation

Quick-detach Picatinny mount lets you easily move a Morovision PVS-14/NEPVS-14/ ITT 6015 night vision unit from head/helmet operation to firearm. The mount's adapter ring attaches permanently to the NVD and does not interfere with helmet mounts. When the NVD is removed from the helmet, the ring slides into the GG&G mount's base and locks securely with the quick-throw locking lever. Base height allows optical co-alignment of EOTech and Aimpoint devices. SPECS: 6061 T6 aluminum, hard-anodized, matte black. Accepts PVS-14, NEPVS-14, and ITT 6015 NVDs. Fits MIL-STD 1913 Pica-

tinny rails. Includes ring, base, Allen wrench, and instructions. #336-000-049AN GG&G PVS-14 Mnt. 6C202B90... \$ 229.99

order on the web www.hrownells.com

