

## SPARK-B

### Night Vision Binocular



The Armasight Spark-B is the night vision binocular with 4x magnification built around CORE (Ceramic Optical Ruggedized Engine) image intensifier tubes. Unlike Gen 1 Image intensifier tubes that are fragile because they are made from glass, CORE™ IITs are made just like Gen 2 and Gen 3, by fusing metal alloys with ceramic compounds. CORE™ technology is based on durable elements and allows tight component stacking, resulting in image tubes that are exceptionally shockproof and vibration resistant. Robust packaging protects easy-to-break protrusions common in Gen 1 tubes, and allows for a streamlined design that is lighter, more compact, and more reliable than typical night vision devices.

The CORE™ platform offers 'best in class' resolution with 60-70 lp/mm, and increased photocathode sensitivity levels of upwards of 400µA/lm, which provide image quality in challenging ambient light conditions that rivals high-end Gen 2 image tubes.

The Armasight Spark-B is a rugged and lightweight night vision binocular. Dual tube design provides increased depth perception and outstanding clarity. A built-in, focusable short-range IR illuminator allows the units to work well even in complete darkness, and an optional long-range infrared illuminator will dramatically boost the viewing range when you need it most.



- ⓐ **High-resolution CORE image intensifier tube**
- ⓐ **4x magnification**
- ⓐ **Multi-coated all-glass optics**
- ⓐ **Compact, rugged design**
- ⓐ **Rubberized for extra protection**
- ⓐ **Ergonomic, simple, easy to operate controls**
- ⓐ **Utilizes single CR123A lithium battery**
- ⓐ **Built-in Infrared illuminator**
- ⓐ **Water and fog-resistant**
- ⓐ **Limited two-year warranty**



Image Intensifier Tube	CORE Technology
Magnification	4x
Lens system	80 mm; F/1.7
Field of view	14°
Focus range	5 m to infinity
Exit pupil diameter	8 mm
Eye relief (mm)	20
Power Supply	CR123 Lithium 3V (1) or CR123 type rechargeable batteries with voltage 3.2V (1)
Battery life	Up to 40 hours
Body material	Glass-fiber reinforced composite
Lens material/type	Multicoated heavy glass
Operating temperature	-40°C to +50°C
Dimensions	220 x 147 x 63 mm / 8.7" x 5.8" x 2.5"
Weight	1.33 kg / 2.93 lbs