

SPARK

Multi-Purpose Night Vision Monocular

For years, development and improvement of consumer-orientated single stage Gen 1 technology has stood still – until now. Traditionally, Gen 1 tubes are made of glass – making them quite fragile and easily damaged, and have relatively low resolution, with very evident image edge distortion.

Introducing an Armasight exclusive – CORE (Ceramic Optical Ruggedized Engine) technology image intensifier tubes! While CORE does not contain a micro channel plate (and so by definition lands in the Gen 1 category) that is where the parallels end. Instead of glass, CORE tubes use a specially formulated ceramic compound fused with metal alloys similar to those used in production of Gen 2 and Gen 3 image intensifier tubes. Further advances in CORE have almost removed edge distortion, dramatically increased photo-sensitivity and most importantly, almost doubled resolution up to 70 lp/mm!

The Armasight Spark is the perfect partner for this new hybrid tube-type – a rugged, but light-weight multi-purpose night vision monocular. With optional accessories, it can be used hand-held or head-mounted; with a day scope adapter, it can convert your existing day scope to night vision at a budget price. With optional 3X afocal lens and IR illuminator, it can serve as a medium range, ultra-high resolution spotting scope and with optional camcorder/camera adapter, you can even take footage or stills though it in darkness.

The Armasight Spark is the ideal night vision unit for the outdoorsman or first responder who demands more resolution, image clarity and durability than standard Gen 1 can offer.

- Ⓐ **Compact, rugged design**
- Ⓐ **Weapon mountable**
- Ⓐ **Head or helmet mountable for hands-free usage**
- Ⓐ **Ergonomic, simple, easy to operate controls**
- Ⓐ **Utilizes single CR123A lithium battery**
- Ⓐ **Adaptable for use with cameras**
- Ⓐ **Built-in Infrared illuminator**
- Ⓐ **Water resistant**
- Ⓐ **Limited two-year warranty**

Generation	CORE Technology
Magnification	1x (optional 3x)
Lens system	F1.7, 35mm
Field of view (°)	30
Focus range (m)	0.25 to infinity
Diopeter adjustment (dpt)	+5 to -5
Exit pupil diameter (mm)	8
Eye relief (mm)	20
Power Supply	CR-123 Lithium (1) 3V
Battery life (hour)	40
Infrared Illuminator	Yes
Environmental Rating	Water Resistant
Operating temperature (°C)	-40 to +50
Dimensions (LxWxH, mm/in)	159 x 49 x 82 / 6.3 x 1.9 x 3.2
Weight (kg/lbs)	0.37 / 0.8

