

SPARK

Multi-Purpose Night Vision Monocular

For years, development and improvement of consumer-oriented, single-stage Gen 1 technology has remained stagnant – until now! Traditional Gen 1 tubes are made of glass, which makes them fragile, easily damaged, and with relatively low resolution characterized by image edge distortion.

Armasight is proud to introduce its exclusive, revolutionary new approach to Night Vision: CORE (Ceramic Optical Ruggedized Engine) image intensifier tubes. While CORE does not contain a microchannel 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 technology have removed almost all edge distortion, dramatically increased photocathode sensitivity, and most importantly, nearly doubled resolution up to 70 lp/mm.

The Armasight Spark is the perfect partner for this new hybrid tube-type – a rugged, lightweight, multi-purpose Night Vision monocular. With optional accessories, it can be hand-held or mounted to headgear. With a day scope adapter, it can convert your existing day scope into a Night Vision device at a cost-effective price. With an optional 3X a-focal lens and IR illuminator, the Spark can serve as a medium-range, ultra-high resolution spotting scope, and with the optional camcorder/ camera adapter, it can even take video or still photography in near-to-total darkness.

The Armasight Spark is the ideal Night Vision unit for the outdoorsman or first responder who demands higher resolution, better image clarity, and greater durability than any standard Gen 1 unit can offer.

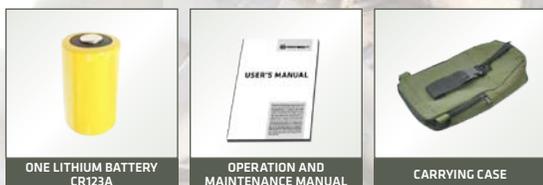
- Ⓐ **Compact, rugged design**
- Ⓐ **Weapon mountable**
- Ⓐ **Head or helmet mountable for hands-free usage**
- Ⓐ **Ergonomic, simple, easy to operate controls**
- Ⓐ **Utilizes single CR123A lithium battery**
- Ⓐ **Adaptable for use with cameras**
- Ⓐ **Built-in Infrared illuminator**
- Ⓐ **Water and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



SPECIFICATIONS

IIT Generation	CORE
Resolution	60-70 lp/mm
Magnification	1x, standard (3x, 5x optional)
Lens System	F/1.7; 35mm
Field of View	35°
Focus Range	0.25m to infinity
Exit Pupil Diameter	8 mm
Eye Relief	20 mm
Diopter Adjustment	-5 to +5 dpt
Infrared Illuminator	Yes
IR Indicator	Yes (Led)
Power Supply	CR123 Lithium 3V (1) or CR123 type rechargeable batteries with voltage 3.2V (1)
Battery Life	up to 40 hrs
Environmental Rating	Water and Fog-Resistant
Operating Temperature	-40° to +50°C (-40° to +122°F)
Storage Temperature	-50° to +70°C (-58° to +158°F)
Overall Dimensions	149 x 49 x 82 mm (5.8 x 1.9 x 3.2 in)
Weight	0.37 kg (0.8 lbs)
Warranty	2 Years

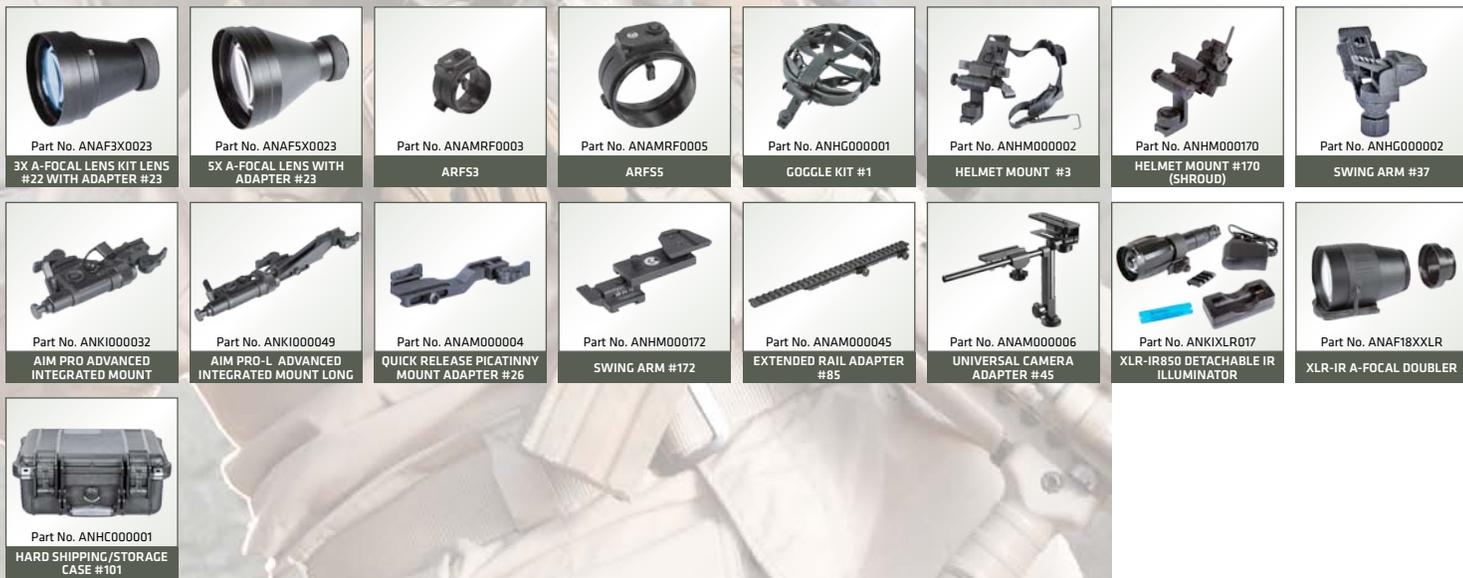
* All data subject to change without notice.


STANDARD COMPONENTS


ONE LITHIUM BATTERY
CR123A

OPERATION AND
MAINTENANCE MANUAL

CARRYING CASE

OPTIONAL EQUIPMENT


Part No. ANAF3X0023
3X A-FOCAL LENS KIT LENS
#22 WITH ADAPTER #23

Part No. ANAF5X0023
5X A-FOCAL LENS WITH
ADAPTER #23

Part No. ANAMRF0003
ARF53

Part No. ANAMRF0005
ARF55

Part No. ANHG000001
GOGGLE KIT #1

Part No. ANHM000002
HELMET MOUNT #3

Part No. ANHM000170
HELMET MOUNT #170
(SHROUD)

Part No. ANHG000002
SWING ARM #37

Part No. ANKI000032
AIM PRO ADVANCED
INTEGRATED MOUNT

Part No. ANKI000049
AIM PRO-L ADVANCED
INTEGRATED MOUNT LONG

Part No. ANAM000004
QUICK RELEASE PICATINNY
MOUNT ADAPTER #26

Part No. ANHM000172
SWING ARM #172

Part No. ANAM000045
EXTENDED RAIL ADAPTER
#85

Part No. ANAM000006
UNIVERSAL CAMERA
ADAPTER #45

Part No. ANKIXLR017
XLR-IR850 DETACHABLE IR
ILLUMINATOR

Part No. ANAF18XXLR
XLR-IR A-FOCAL DOUBLER

Part No. ANHC000001
HARD SHIPPING/STORAGE
CASE #101