

VITAL™

Rev. 22 Jan 2013

Variable Intensity Tactical Aiming Light

VITAL-2

NSN: 5855-01-468-4169
0.7 mW Infrared laser

VITAL-100

NSN: 5855-01-468-4188
100 mW Infrared laser



The VITAL is a covert laser aimer and illuminator designed for individual or crew served weapons. It contains selectable beam intensity and pulse modes to support flexible, cost effective target identification and acquisition. The VITAL contains multiple IR aimer modes plus an IR-LED illuminator beam and button activated power switch.

The VITAL has many features tailored for tactical weapon-mounted mission critical applications. The cost effective VITAL operates on just two AA batteries and includes many operator friendly features like independent azimuth and elevation adjustments. With the momentary fire button, the operator can select laser emissions only when there is a mission need. A wide array of weapon mounting options effectively integrates the VITAL into any application.

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FEATURES*

- **Integrated MIL-STD-1913 (Picatinny) Mount**
- **Windage and Elevation Adjustments for Precise Zeroing**
- **Barrel Mount is Standard for Weapons Not Equipped with Rail Systems**
- **AA Battery Operation**
- **Off-Axis Light Security Reduces Detection**
- **Interchangeable Paddle and Remote Switches**
- **CQB Illumination has High and Low Power Setting**

For more information on the VITAL or other Nivisys products call (480) 970-3222 or visit us on the web at www.nivisys.com.

VITAL™ BASIC KIT:

- VITAL-2 or VITAL-100
- Soft Case
- Barrel Mount Kit
- Full Power Remote Switch, black
- Full Power Paddle Switch, black
- AA Lithium Batteries (2ea.)
- Operator Manual
- Hard Case (-100 only, not shown)
- Remote Switch, Training Blue (-100 only)
- Paddle Switch, Training Blue (-100 only)
- Quick Reference Guide
- Cleaning Kit



FEATURES



Adjustment Knobs

Windage and elevation adjustments are designed with tactile feedback for every click.



Battery Operated

The Vital operates on 2 AA lithium batteries (supplied).



Training Switches

The VITAL-100 kit is supplied with fail-safe and eye-safe switches for training applications.



Variable Output Power

The unit delivers separate power settings for the illuminator and the laser.



Integrated 1913 Mount

The VITAL is equipped to fasten to any standard Picatinny railing system.

SPECIFICATIONS*

Size (L x W x H)
139mm x 70mm x 57mm
(including paddle switch)

Weight
221g
(with 2 AA batteries and integrated mount and paddle switch)

Mounting Provisions
MIL-STD-1913
(Picatinny, Integrated throw lever mount) and barrel mount)

IR Laser Output
0.7mW max (VITAL-2)
100mW max (VITAL-100)

Laser Class
Infrared, 3R (VITAL-2)
Infrared, 3B (VITAL-100)

Beam Wavelength
830nm ± 20nm

Beam Divergence
0.50mR max

Beam Modulation
Continuous wave and pulse

Beam Shape
Elliptical

Azimuth & Elevation Adjustments
0.4 mR per click

Power Source
AA lithium (2ea.)

Environmental
-32° C to +51° C (operating temp.)
-57° C to +71° C (storage temp.)

*Specifications are subject to change without notice.