



# FLIR CLIP NIR™

## Compact Laser Illuminator Pointer™ Near-Infrared

Designed for demanding Joint Terminal Attack Controller (JTAC) requirements, FLIR's CLIP™ NIR is a military-qualified 830 nm NIR illuminator and pointer incorporating advanced (patent pending) illumination technology. The CLIP optical design produces a brighter, richer beam with better performance over temperature. CLIP features three operating modes: pointer only, illuminator only, and a unique combination mode that places a bright point in the center of the illuminated scene. The output power is rated at 600 mW with an illumination beam width of 4 degrees and a beam divergence of <math><1\text{ mrad}</math> in pointer mode. Output power is user selectable between 600 mW (high), 300 mW (medium) and 20 mW (low) as a user selectable power.

The compact design is shorter than current 1-W class pointers, taking up less rail space and enabling the unit to be mounted on a wide range of systems including the Handheld Laser Marker (HLM). CLIP NIR is mil-spec and features a standard rail mount and compliant safety interlocks. The unit also features an easy-to-adjust alignment setting for bore sighting. The illuminator module is also available as a component to military electro optical systems developers.

### Features

### User Benefits

Patented laser technology	Improved beam quality in pointer mode; low speckle in illuminator mode
Rugged, compact	Shorter length takes up less rail space; easy to stow in pocket
Lightweight, ergonomic	Ideal for rail mount and handheld operation; easy-to-manipulate controls
Identify Friend or Foe (IFF) pulse mode	Works in illuminator mode – easy to light up combat ID patches
Single battery operation	Operates on a single CR123 for up to 6 hours
Unique multi-mode operation	Pointer mode, illuminator mode and combination mode

### Applications:



Dismounted Soldier



Handheld



Fixed Mount

## Imaging Specifications

PARAMETER	VALUE
Wavelength	830 nm
Output Power (max.)	600 mW
Pointer Divergence	<1 mrad
Illuminator Divergence	4°
Laser Class	3B
Triggering	CID/IFF
Power Supply	1 CR123
Dimensions	1.44" x 1.33" x 4.44" 36.6 x 33.8 x 112.8 mm
Weight (with battery)	230 g
Environmental Rating	IP-67 (waterproof to 20 meters)
Nominal Ocular Hazard Distance (NOHD) - Unaided Eye	261 m
Built-In Alignment Adjustment	Yes (+/- 1 degree)
Battery Run Time	6 hours in low power mode (1 hour in high power mode)
Effective Range Pointer	> 30 km
Effective Range Illuminator	> 5 km

## Operating Modes

### Pointer Mode



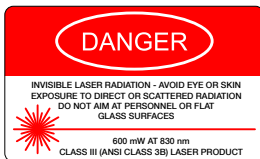
### Illuminator Mode



### Dual Mode



## ITAR



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