

SABER-NIR

Near-infrared VCSEL illuminator

APPLICATIONS

TARGET ACQUISITION

FORCE PROTECTION

LONG-RANGE SURVEILLANCE

RECONNAISSANCE

COVERT OPERATIONS



The SABER-NIR illuminator provides high-power, near-infrared illumination for use with night vision and I2 imagers. With up to 499mW of adjustable NIR illumination, the SABER-NIR provides unsurpassed beam uniformity for the ultimate capability in feature resolution and target discrimination.

Small and lightweight, the battery operated SABER-NIR can be rifle-mounted or handheld. With variable beam divergence and variable intensity from 5.9mW to 499mW, it can be used for both close quarter, long-range, and precision applications.

Teledyne FLIR is a leader in force protection, reconnaissance and surveillance missions. The SABER-NIR is the key tool for extensive illumination operations in harsh environments both day and night.

FEATURES

VARIABLE BEAM DIVERGENCE

Speckle-free, extremely uniform beam profile up to 860nm wavelength

COMPACT & LIGHTWEIGHT

Weighs approx 10.5 oz (300g) with a self-contained battery and controls, minimizing SWaP

FLEXIBLE USE

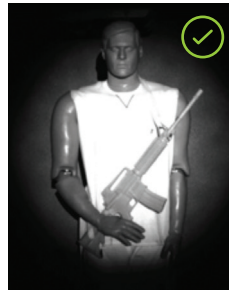
Can be rifle-mounted or used as a handheld device

SPECIFICATIONS

SYSTEM SPECIFICATIONS	
Laser Wavelength	860 nm
Output power	5.9-499mW (Adjustable)
Divergence range	0.7 - 20 degrees
Operating modes	CW, 2Hz, 5Hz, 10Hz
ENVIRONMENTAL	
Standards	MIL-STD-810G, MIL-STD-461F
Storage temperature	-40°C to 85°C
Operating temperature	-30°C to 55°C Note: Lower operating temperatures affect battery performance leading to reduced runtime. Use a warm battery and/or lower power setting.
POWER REQUIREMENTS	
Voltage	1x CR123A 3V
Battery Life	Full power: 45-60min, Half Power: >120minutes
DIMENSIONS, WEIGHT & MOUNTING	
Dimensions	4.6" x 2.8" x 1.8" (117mm x 72mm x 46mm)
Weight	286g with battery and larue mount
Mounting	MIL-STD-1913, adjustable tension
ADDITIONAL FEATURES	
Remote Fire and Mode Switch	



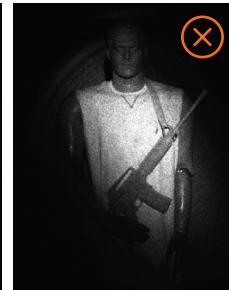
FLIR VCSEL Illumination



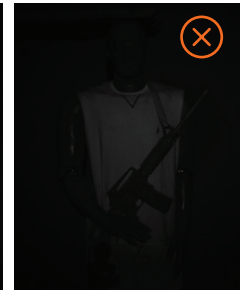
FLIR LASERS



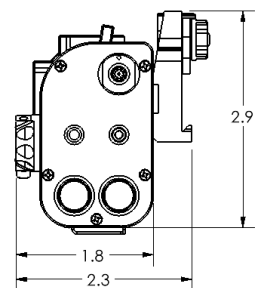
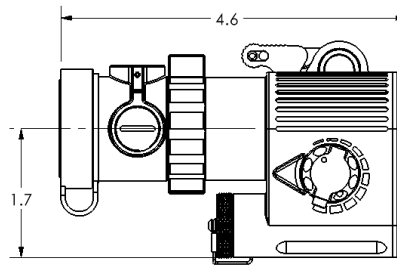
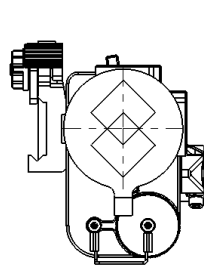
TRADITIONAL LASER
WITH SPECIAL OPTICS



TRADITIONAL LASER



LED



AMERICAS

27700 SW Parkway Ave
Wilsonville, OR 97070

EUROPE

2 Kings Hill Avenue - Kings Hill
West Malling, Kent ME19 4AQ
United Kingdom

Antennv gen 6,
PO Box 737
SE-187 66 Täby
Sweden

MIDDLE EAST

Wadi Al Fey St.
Building 60, Office # 302
New Ministries Exit /
Khalifa Park Area
Abu Dhabi, U.A.E.

Office 127, First Floor
Akaria Plaza Building, Olaya Street
Riyadh, 11481, Saudi Arabia

ASIA

Meguro Tokyo Bldg. 5F,
2-13-17
Kami-Osaki, Shinagawa-ku.
Tokyo, 141-0021, Japan

This product is subject to United States export regulations and may require US authorization prior to export, reexport, or transfer to non-US persons or parties. Diversion contrary to US law is prohibited. For assistance with confirming the Jurisdiction & Classification of Teledyne FLIR, LLC products, please contact exportquestions@flir.com. ©2021 Teledyne FLIR LLC. All rights reserved.

Revised on 08/31/21
SABER-NIR_Datasheet-LTR 21-0825