B.E. MEYERS® ADVANCED PHOTONICS

INFORMATION SHEET

DAGIR®-V2

MULTI-PLATFORM ADVANCED LASER SYSTEM

UNPARALLELED PRECISION AND RELIABILITY.

The DAGIR®-V2 represents a significant advancement in weapon-mountable aiming technology, seamlessly combining a Near-Infrared (NIR) illuminator with both NIR and visible aiming capabilities.

The DAGIR®-V2 is the culmination of advanced optical engineering, delivering unmatched flexibility while also excelling in illumination quality, ergonomics, and form factor. It features an on-board VIS Override button that instantly activates the visible pointer, bypassing all current settings.

Part Number : **DAGR-V2-M01-FD01-K01**

CAGE: 6U501
UEI: XVUVLU5FK1X9

To purchase or for info, contact:
+1.425.881.6648
SALES@BEMEYERS.COM

Proudly made in the USA

WWW.BEMEYERS.COM

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DAGIR®-V2

MULTI-PLATFORM ADVANCED LASER SYSTEM

UNEQUALED NIR ILLUMINATION

At the core of the DAGIR®-V2 is the groundbreaking MINIRVA™ diode system, harnessing advanced VCSEL (Vertical Cavity Surface Emitting Laser) technology to deliver unmatched beam precision and clarity. This best-in-class optical engine produces sharper, more defined illumination, enabling superior target identification, environmental awareness, and threat assessment—even in the most demanding operational environments.

BEAM QUALITY

- VCSEL-based emitters deliver a uniform, artifact-free beam at any divergence setting.
- Dual 350 mW NIR illuminators punch through photonic barriers and project to extended ranges.
- Rapid, intuitive controls allow instant adjustment of divergence and output to match evolving mission demands.
- High-efficiency VCSEL technology extends operational runtime compared to conventional systems.
- Consistent laser wavelength minimizes visible red “glow” signature, outperforming LED-based illuminators in low-visibility engagements.
- Co-aligned pointer and illuminators guarantee the aiming laser remains perfectly centered within the illumination beam for consistent point-of-aim/point-of-light alignment.

BEAM EFFICIENCY

- Enables higher beam output powers and increased battery life.
- Extended runtime allows users to focus more on the mission at hand.

BEAM POWER

- B.E. Meyers & Co. VCSEL technology allows users to break through photonic barriers.
- Enables illumination, aiming, and communication at farther distances.

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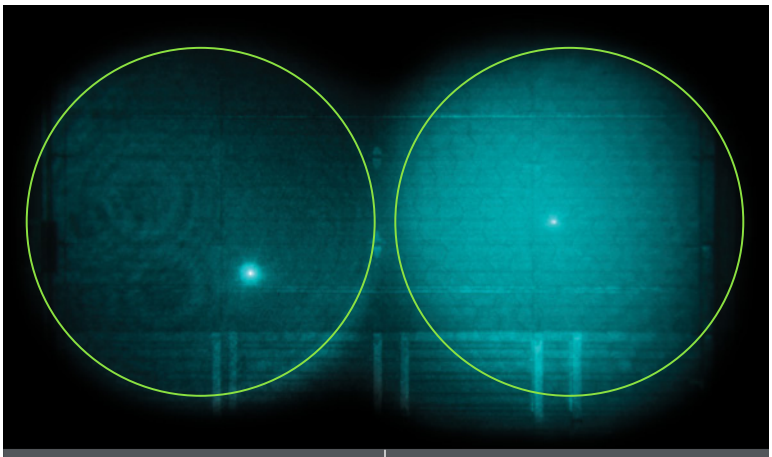

COMPETITOR	B.E. MEYERS & CO.
• Uneven Laser Artifacts • Unaligned Point & Flood	• VCSEL Illumination • Co-Aligned Laser & Illuminator

TECHNICAL INFORMATION	
Dimensions	3.9” L x 2.0” W x 1.0” Height over rail
Power Source	3V CR123A Battery (Qty. 1)
Output Modes	OFF // VIS // IR-1, IR-2
Weight	7 oz MAX without battery
Divergence: VIS Pointer)	0.5 mrad (0.03°)
Divergence: NIR Pointer	0.5 mrad (0.03°)
Divergence: Illuminator	0.8° min – 12° max
Azimuth & Elevation Adjustments	Adjustable with a common multi-tool or spent cartridge
Environmentally Sealed	Waterproof to 20m up to 2 hrs.

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MULTI-PLATFORM ADVANCED LASER SYSTEM

Part Number : **DAGR-V2-M01-FD01-K01**

The DAGIR®-V2 is a versatile, weapon-mounted NIR/Visible pointer and NIR illuminator engineered for elite operational demands. Its powerful overbore 40 mW IR pointer and dual 350 mW VCSEL IR illuminators deliver uncompromising performance—even through oppressive photonic barriers and high-ambient-light environments.

The DAGIR®-V2 features a secondary VIS Override button that immediately fires the visible pointer, overriding current settings.

Controlled via a best-in-class human-machine interface, operators can intuitively adjust beam divergence and output without dismounting the weapon. All optical and electronic components are environmentally sealed within a compact, rugged aluminum housing, built to thrive in the harshest conditions and the most demanding missions.

FEATURES

- VIS Override is a secondary button that immediately fires the visible pointer, overriding the current settings.
- Intuitive interface allows for quick and easy adjustment of output power and divergence settings.
- Illumination maintains a uniform beam pattern, free of artifacts across all divergence and power settings.
- Adjustable divergence IR illuminator from 0.8° to 12°.
- Adjustable power output across five modes.
- Wakizashi® port allows for control of divergence and output settings via remote, and the use of external power supplies.
- Training Mode reduces the maximum output power of all modes, both IR and VIS, to a maximum of a **Class 3R** hazard.
  Training mode **IS NOT** Class 1 across the output range.
  NIR = Class 1/Class 3R ; **VIS** = Class 2/ Class 3R
- Directly mounts to MIL-STD1913 rails.
- User-friendly interface with ergonomic design.
- Built to MIL-STD-810H standards.

KIT INCLUDES:

- **DAGIR®-V2.** Class 3B NIR illuminator and NIR+ visible aiming device.
- CR123 Battery (Qty. 1)
- Operators Manual
- Quick Reference Guide
- 3/32 Hex Wrench

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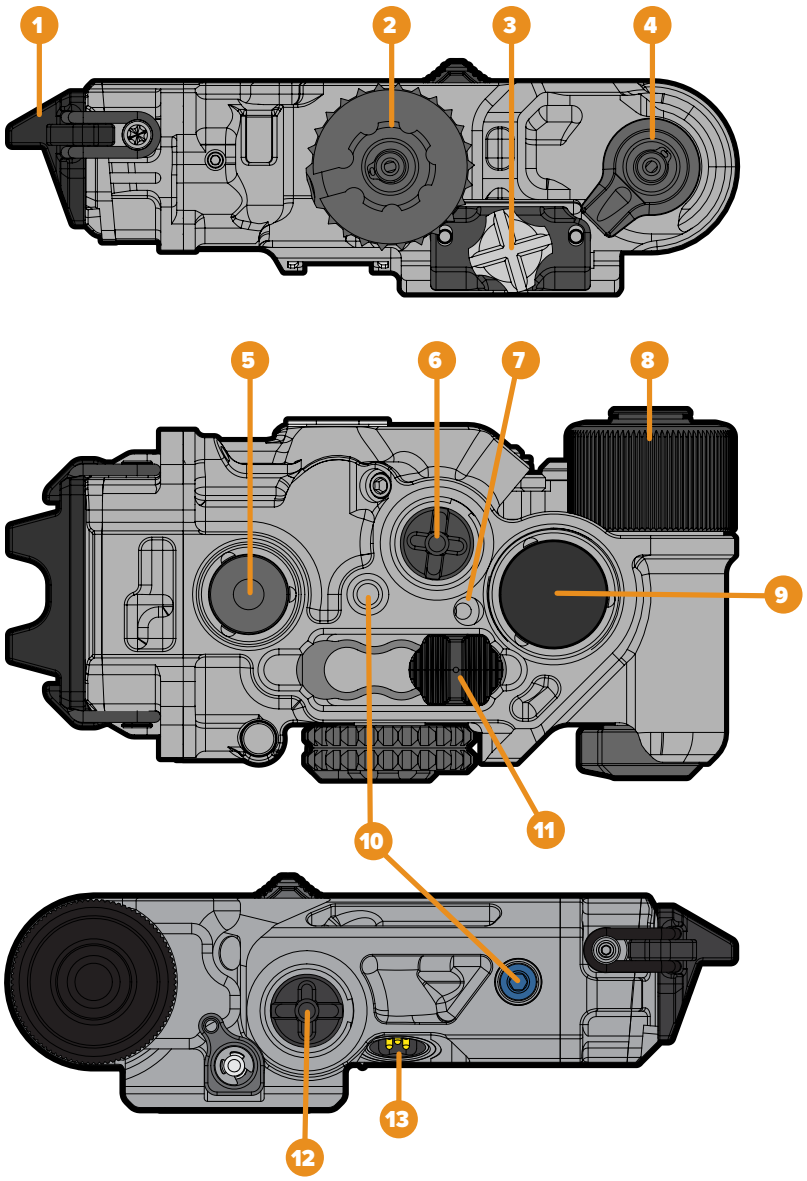
Controls:

1. Aperture Cover
2. IR Illuminator Divergence Wheel
3. Mounting Screw
4. Mode Switch (OFF, VIS, IR-1, IR-2)
5. VIS Override Button
6. Elevation Adjuster
7. Status Indicator LED
8. Battery Cap
9. Fire Button
10. Training Mode Screw Position
11. Output Power Switch (Low, Medium, High)
12. Windage Adjuster
13. Wakizashi® Port



NOMINAL CHARACTERISTICS	
VIS Wavelength	520nm (Green) 640nm (Red)
Output Power: VIS Pointer	Green: 1mW to 47mW Red: 1mW to 165mW
Divergence: VIS Pointer	0.5 mrad (0.03°)
NIR Wavelength	860nm (IR)
Output Power: NIR Pointer	0.2mW to 40mW
Divergence: NIR Pointer	0.5 mrad (0.03°)
Output Power: Illuminator	0.6mW to 350mW
Illuminator Divergence - Min.	0.8°
Illuminator Divergence - Max.	12°
Laser Class	Class 3B (Class 3R in Training mode)
Power Supply	CR123 battery (Qty. 1)
Dimensions	3.9” Long body x 2.0” Wide body x 1.0” Height over rail (99mm x 50.8mm x 25.4mm)
Weight	7 oz MAX without battery
Nominal Ocular Hazard Distance (NOHD)	258m (Green) 615m (Red)
Environmentally Sealed	Waterproof to 20m up to 2 hrs.
Azimuth & Elevation Adjustment	Adjustable with a common multi-tool or spent cartridge
Operational Temperature Range	-30°C to +60°C (-22°F to +140°F)
Storage Temperature Range	-40°C to +71°C (-40°F to +160°F)
MIL-STD-810H Certified	

VISIBLE & INVISIBLE LASER RADIATION - AVOID EXPOSURE TO BEAM

50mW - 520nm - Class 3B
40mW - 852nm - Class 3B
350mW - 860nm - Class 3B

VISIBLE & INVISIBLE LASER RADIATION - AVOID EXPOSURE TO BEAM

165mW - 640nm - Class 3B
40mW - 852nm - Class 3B
350mW - 860nm - Class 3B

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