



UNPARALLELED PRECISION AND RELIABILITY.



Part Number: **DAGR-V1-M01-FD01-K01**

The DAGIR®-V1 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®-V1 is the culmination of advanced optical engineering, delivering unmatched flexibility while also excelling in illumination quality, ergonomics, and form factor. Setting a new gold standard in multi-function aiming laser technology, it has earned the trust of USSOCOM — selected under the SAL-UHP program, where a dedicated variant bears the LA-30 designation with pride.



UNEQUALED NIR ILLUMINATION

At the core of the DAGIR®-V1 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

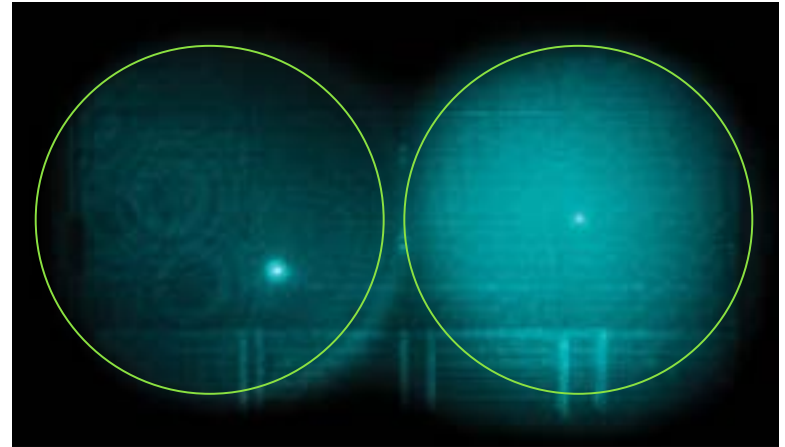
- VCSEL -based emitters deliver a uniform, artifact -free beam at any divergence setting.
- Dual 350 mW NIR illuminators punch through photonic barriers and project to extended ranges.
- Rapid, intuitive controls allow instant adjustment of divergence and output to match evolving mission demands.
- High -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

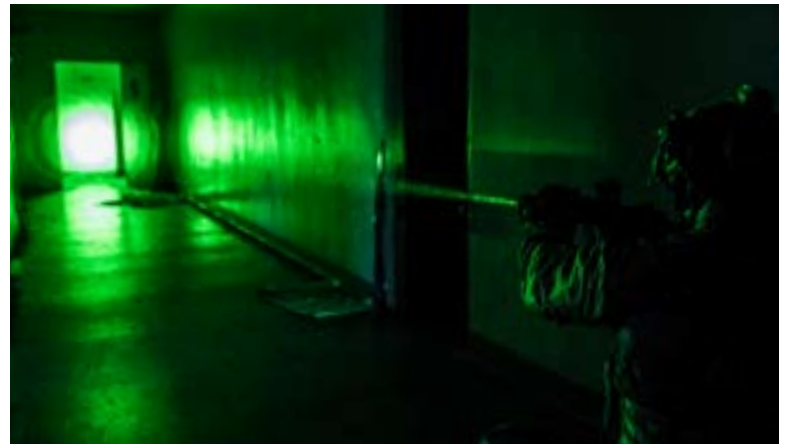
- Enables higher beam output powers and increased battery life.
- Extended runtime allows users to focus more on the mission at hand.

BEAM POWER

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



| COMPETITOR | B.E. MEYERS & CO. |
|---|--|
| <ul style="list-style-type: none"> • Uneven Laser Artifacts • Unaligned Point & Flood | <ul style="list-style-type: none"> • VCSEL Illumination • Co - Aligned Laser & Illuminator |



| TECHNICAL INFORMATION | |
|---------------------------------|--|
| Dimensions | 3.9" L x 2.0" W x 1.0" Height over rail |
| Power Source | One (1) 3V CR123A Battery |
| 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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UEI: XVUVLU5FK1X9

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B.E. MEYERS
ADVANCED PHOTONICS

INFORMATION SHEET

DAGIR®-V1

MULTI-PLATFORM ADVANCED LASER SYSTEM



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Part Number: **DAGR-V1-M01-FD01-K01**

The DAGIR®-V1 is a versatile, weapon-mounted NIR/Visible pointer and NIR illuminator engineered for elite operational demands. Its powerful overbore 40mW IR pointer and dual 350mW VCSEL IR illuminators deliver uncompromising performance — even through oppressive photonic barriers and high-ambient-light environments.

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:

- 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.
- VIS Override capable with the inclusion of an optional remote
- 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.

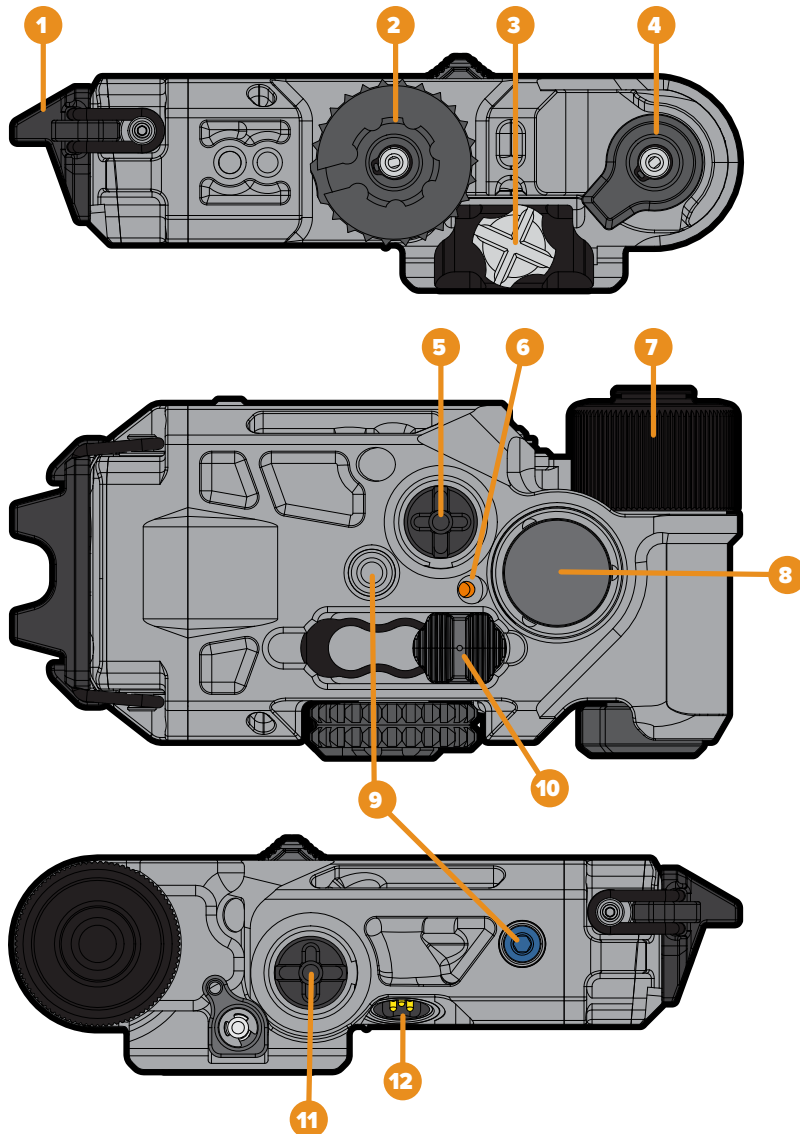
KIT INCLUDES:

- **DAGIR®-V1**. Class 3B NIR illuminator and NIR+ visible aiming device.
- CR123 Battery (Qty. 1)
- Operators Manual
- Quick Reference Guide
- 3/32 Hex Wrench



Controls:

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



NOMINAL CHARACTERISTICS

| | |
|---------------------------------------|--|
| VIS Wavelength | 520nm (Green) 640nm (Red) |
| Output Power: VIS Pointer | Green: 1mW to 27.5mW 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 |
| 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 | |

