



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

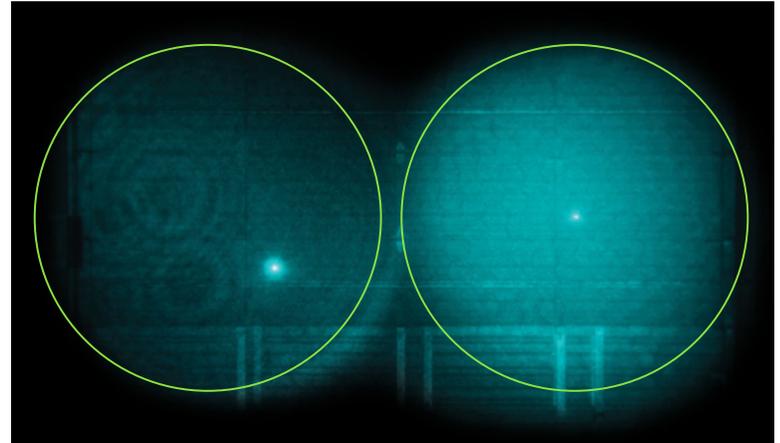
- VCSEL -based emitters deliver a uniform, artifact-free beam at any divergence setting.
- Dual 350 mW NIR illuminators punch through photonic barriers and project to extended ranges.
- Rapid, intuitive controls allow instant adjustment of divergence and output to match evolving mission demands.
- High -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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The DAGIR®-V1 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.

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.

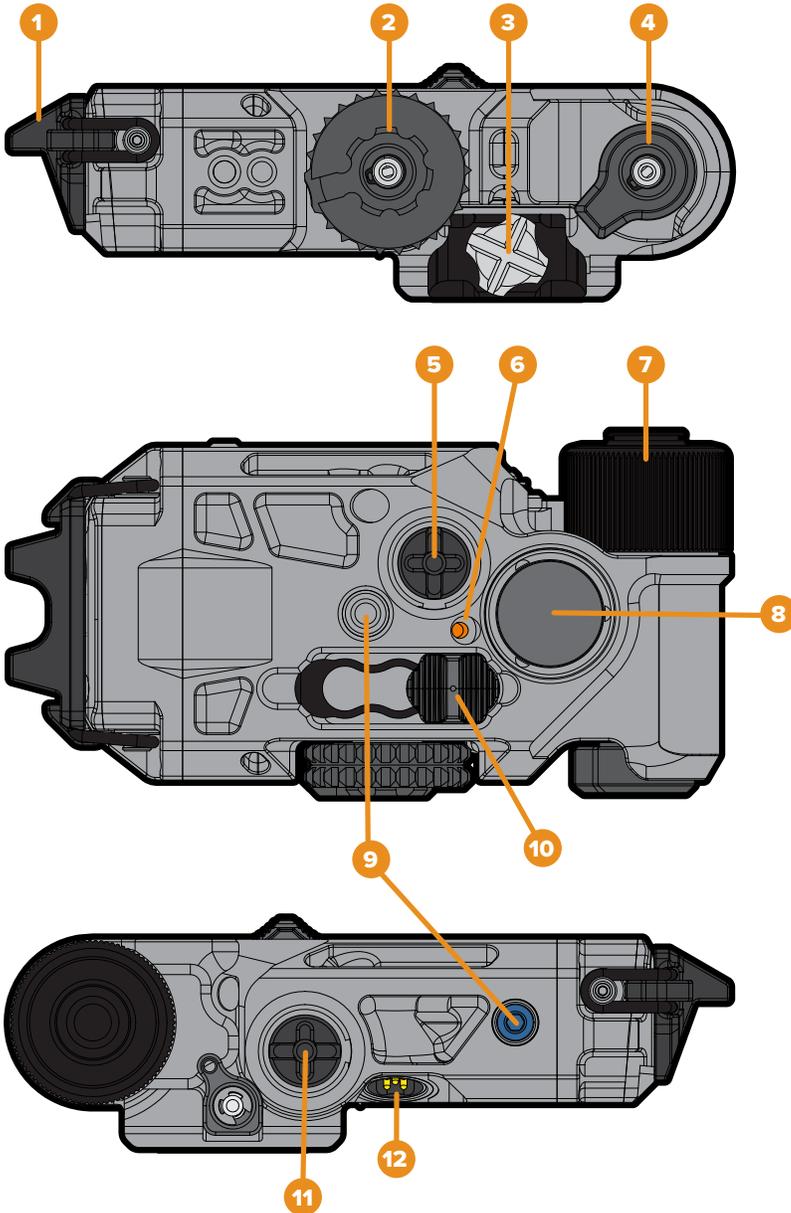
KIT INCLUDES:

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

