



OVERVIEW

The Rail-Mounted Aiming/Illumination Laser (RAIL) brings a weapon-mounted aiming and illumination capability to the user in an exceptionally small form factor. The RAIL contains an integrated visible aiming laser (Green or Red), NIR aiming laser, NIR illumination laser (VCSEL), and NIR wide-angle LED illuminator for confined spaces or Close Quarters Battle (CQB). The NIR illumination laser has a quick-adjust beam divergence capability and is independently adjustable from the co-aligned aiming lasers. All lasers have user-adjustable power settings to support various mission needs. The system is powered by a single CR123 battery and mountable to a standard MIL-STD-1913 rail.

USER BENEFITS

- Extremely compact and lightweight design minimizes impact on the host weapon system
- Ability to quickly adjust aiming and illumination laser intensity to support dynamic battlefield conditions
- Integrated NIR LED for confined space and CQB operations
- User configurable VIS and CQB override
- Independently adjustable NIR Illuminator from the Aiming Lasers
- Intuitive user interface
- Seven position mode selector switch, with additional positions available for future capability enhancements
- Brightness adjustment for display and LED, including completely off, to support day or night operation (user selectable on/off)
- MIL-STD-1913 rail interface to mount to a wide variety of weapon platforms
- Operates on a single CR123 battery

RAIL FEATURES

Weight	< 6 oz. (with batt.)
Dimensions	< 3.7" X 2.4" X 1.4" (Above Rail)
Power	Single CR123 Battery
Mounting Interface	MIL-STD-1913 Rail Grabber
Visible Pointer	
Output Power	3mW Low Power (Class 3R) / 25mW High Power (Green, Class 3B) / 38mW High Power (Red, Class 3B)
Divergence	0.3mrad
Wavelength	520nm (Green) OR 640nm (Red)
NIR Pointer	
Output Power	0.3mW Low Power (Class 1) / 25mW High Power (Class 3B)
Divergence	0.3mrad
Wavelength	850nm
NIR Illuminator	
Output Power	7mW Low Power (Class 1) / >135mW High Power (Class 3B)
Divergence	1 - 6 degrees
Wavelength	850nm
NIR Illuminator (LED)	
Output Power	40mW
Divergence	180 degrees
Wavelength	850nm

