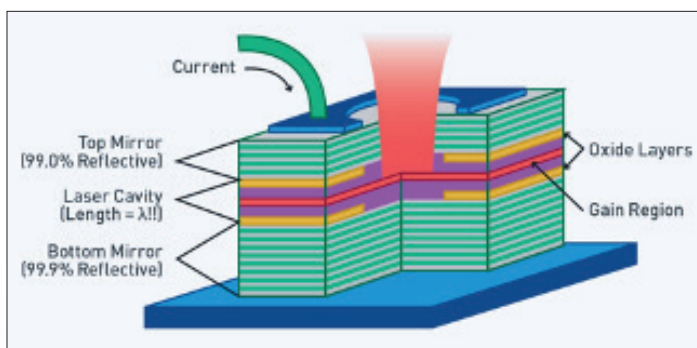


TECHNICAL BRIEF

Leading Edge Laser Technology Gives Operators Tactical Edge



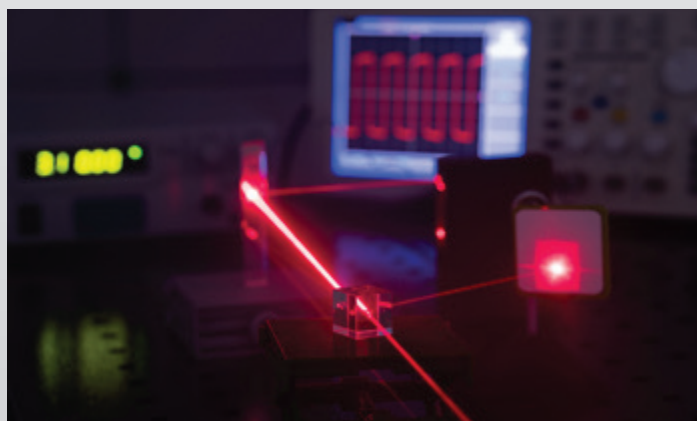


Typical VCSEL Cross Section

Utilizing the latest Vertical Cavity Surface Emitting Laser (VCSEL) technology, the Wilcox Ruggedized Aiming/Illumination Device - X, or commonly referred to as the RAID-X, provides the end user with an enormous advantage over currently deployed laser sighting systems (The 'X' defines the device as being Bluetooth capable). The majority of current laser sighting systems utilize the standard Edge Emitting Lasers, (EEL) or Light Emitting Diodes (LED) which is dated laser technology.

Because the lasers on the VCSEL are discharged perpendicular to the surface, this allows for thousands of focused beams to be checked and aligned to produce a more predictable and controlled laser beam. The advantages of which are:

- Superior laser beam quality
- No beam 'Speckles' associated with dated laser technology
- Beam uniformity with no 'Dead' spots while in the IR Modes
- Enhanced beam clarity and distance allowing for the positive identification and engagement of potential targets during night time operations



The RAID-X advantages highlight its own compelling value and lethality!

The RAID-X also offers the end user with the several tactical advantages due to the units overall size, weight and unique features. With a weight of approximately 137 grams (without the single C123 Battery), and the overall width and length of about a typical business card, the RAID-X doesn't fatigue the end user while aiming their weapon or require excessive rail space once mounted.

The RAID-X is the only laser sighting system which is equipped with a 40-degree LED Room illuminator for Close Quarter Combat (CQB) missions where the use of the aiming and IR lasers would be hazardous. This additional feature allows end users to check and secure hallways and rooms, while not over saturating these specific areas with laser beams.



The RAID-X boasts ultimate beam clarity and uniformity aiding in target identification and situational awareness.

Some additional features of the RAID-X include;

- The ability to dim and brighten lasers "on the fly"
- Round counter (using weapon recoil) to assist armors and end users on maintenance and provide possible Mean Time Between Failure (MTBF) rates
- All visible and IR Lasers are co-aligned using a single aiming visible laser for easier set up and zeroing of your weapon systems, unlike the need to zero both your IR Flood and Illuminator beams, saving time and ammo



An ergonomically located focus wheel allows rapid adjustment of the NIR illuminator beam divergence for various distances and mission requirements.

The RAID-X system was designed utilizing end user experience and feedback. The need for a smaller, lighter and stronger laser aiming device was our goal and the RAID-X answered the mail. With the additional features noted and the ability of the end user to identify and engage targets quicker and at further distances due to the superb VCEL suite of lasers keeps our end users safer in stressful, hostile environments.

The Wilcox RAID-X is a complete 'Turn-Key' solution for any environment where reliability, quick target acquisition and identification are required for successful outcomes, it truly is State of the Art in laser sighting systems.



For additional information, [view our RAID-X product page](#) or [download the technical datasheet](#). For general information about Wilcox and our products [contact us directly](#) or [download our Product Catalog](#).



SENSOR TO SHOOTER ADVANTAGE

- Red/green VIS laser
- NIR laser
- NIR variable illuminator
- NIR fixed room illuminator
- MIL-STD-1913/NATO STANAG interface
- NIR illuminator divergence knob
- High power lockout screw storage
- Remote/pressure pad port
- OLED display/display cover
- Battery compartment
- Laser/illuminator port cover
- Laser/illuminator output adjustment
- Windage (not visible)/elevation adjustment
- Display light sensor/programming port
- Mode selector switch
- FIRE activation button
- High power lockout screw
- Lanyard/tether attachment point



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