

PAWS™ Processor Aided Weapon Sight



Features and Benefits:

- Heads-up Display (including environmental, GPS, device configuration, and targeting data)
- Integrated Laser Range Finder (LRF)
- Tactical Information and corrected ballistic Reticles
- Real time ballistic computations
- Optical ranging with automatic angular and linear scale conversion
- Slant angle detection (for uphill/downhill targeting)
- Position location and heading data display
- Network communications interface
- Compatible with both day and night systems
- Moving target compensation
- Weapon status data (round count, barrel temperature)
- Dynamic reticle
- High resolution, direct view sighting
- Menu driven data base access (I/O)
- Round counting



the Bottom Line

PAWS automates target engagement with an embedded processor which results in:

1. Reduced target acquisition time
2. Enhanced shooter accuracy
3. Extended effective range of target engagement
4. Rapid ballistic correction calculating
5. Improved situational awareness
6. Enhanced data exchange for combined arms operation

PAWS (Processor Aided Weapon Sight) incorporates unique “see through” optics, embedded processing, and a comprehensive sensor package to provide Rapid Target Acquisition (RTA) capabilities to the warfighter for quick and accurate target engagements. It extends the effective engagement range and accuracy of existing weapons. This is accomplished by merging real time processing and sensor data to provide automatic ballistic reticle correction information overlaid on the optical line of sight.

In its present embodiment it is configured as a clip-on device that is compatible with both day and night sight optical systems. It is mounted on the standard 1913 Picatinny Rail and is co-located with the M150 Advanced Combat Optic Gunsight (ACOG). Other configurations are also possible.

PAWS is table driven, which allows the sight to be quickly configured with pertinent firing solution data (including range to target,

weapon type, round type, GPS data, altitude, tilt, temperature, humidity, barometric pressure, cold/hot barrel, etc.). Data from on board sensors (or operated entered) is fed into the processor providing an optimized firing solution in visual format.

As a network connected weapon sight, PAWS is capable of pushing and pulling information to and from the electronic battlefield. This can provide real time battlefield data updates for target designation and acquisition, blue forces location, and edge-to-net communications.

PAWS is housed in a compact, waterproof, ruggedized enclosure. It attaches to the Picatinny rail with two, lever action, quick release mounts. Ergonomic controls are provided for power, reticle control, menu access, zeroing to the weapon/sight and for arming and firing the LRF.

BAE SYSTEMS

Mentor/Protégé Partner

