

Thermal Weapon Sight

Enables combat forces to acquire and engage targets with small arms, under day, night, obscurant, no-light, and adverse weather conditions.



DESCRIPTION AND SPECIFICATIONS

The AN/PAS-13(V)1 Light Thermal Weapon Sight (LTWS) is a silent, lightweight, compact, durable, battery-powered thermal sight with a recognition range of 550 meters. The primary battery is a set of eight, non-rechargeable 1.5-volt AA lithium batteries. The training battery is a set of eight rechargeable 1.2-volt AA nickel metal hydride batteries. LTWS is used on the M16/M4-series rifles and carbines and on the M136 Light Anti-Armor Weapon. LTWS weighs 2.7 pounds (with batteries) and has a 15-degree field of view.

The AN/PAS-13(V)2 Medium Thermal Weapon Sight (MTWS) is a silent, lightweight, compact, durable, battery powered thermal sight with a recognition range of 1,100 meters. The primary battery is non-rechargeable 6-volt BA-5347/U. The training battery is the rechargeable 6-volt BB-2847A/U. MTWS is used on the M16/M4 series rifles and carbines as well as the M249 and M240 series medium machine guns. MTWS weighs 5 pounds (with battery) and has a 6/18 degree dual field of view.

The AN/PAS-13(V)3 Heavy Thermal Weapon Sight (HTWS) is a silent, lightweight, compact, durable, battery powered thermal sight with a recognition range of 2,200 meters. The primary battery is a non-rechargeable 6-volt BA-5347/U. The training battery is the rechargeable 6-volt BB-2847A/U. The HTWS is used on the squad leader's weapon, M24 Sniper Rifle, M107, M2 HB, and MK19 machineguns. HTWS weighs 5.3 pounds (with battery) and has a 3/9 degree dual field of view.

PROGRAM STATUS

- **Current** LTWS, MTWS, and HTWS in production

PROJECTED ACTIVITIES

- **Ongoing** planned procurement
- **Ongoing** fielding and new equipment training



CONTRACTORS

Raytheon Systems (Dallas, TX)

INVESTMENT COMPONENT

Modernization

ACQUISITION PHASE

- Production and Deployment