

ADVANCED REMOTE WEAPON STATION

DESIGNED FOR THE WARFIGHTER

The L-3 Brashear two-axis stabilized lightweight Advanced Remote Weapon Station (ARWS) and the Integrated Surveillance Imaging System (ISIS) provide the warfighter a decisive tactical advantage. The weapon station provides the gunner with internal Crew Cab full remote operation for medium and heavy caliber machine guns. The three field-of-view Thermal Sensor and Eye-safe Laser Rangefinder enables the gunner to identify the enemy at nearly two kilometers. These advanced features allow the warfighter to detect and engage the threat before the enemy can act.

BENEFITS

- Remote operation from inside the crew cab.
- Fully stabilized light-weight remote weapon operation provides shoot on the move capability
- Target acquisition and identification capability matched to the effective ranges of current and future crewserved weapons
- Lightweight to allow easy installation on a wide variety of vehicle platforms
- Increased capability day or night with cooled thermal performance
- Increased firepower and lethality
- Reduced training time with video game style joystick
- Thin unobtrusive display



ADVANCED REMOTE WEAPON STATION

SPECIFICATIONS

ADVANCED – REMOTE WEAPON STATION

Pedestal

- | | |
|---------------------------------|--|
| Azimuth Range / Elevation Range | <ul style="list-style-type: none">AZ: 360 ContinuousEI : -20 and +45 degrees |
| Azimuth Rate / Elevation Rate | <ul style="list-style-type: none">AZ: < 1 mrad to > 1 rad / secEL: < 1 mrad to > 1 rad / sec |
| Positional Resolution | <ul style="list-style-type: none">Resolution: < 0.25 mrad |
| Above Roofline Weight | <ul style="list-style-type: none">115 pounds |
| Mount Height | <ul style="list-style-type: none">24 inches |
| Power Consumption | <ul style="list-style-type: none">< 150 W Normal operation |
| Operation Modes | <ul style="list-style-type: none">Remote and Manual |
| Safety | <ul style="list-style-type: none">No Fire Zones, NTZ, Remote Safe, Fire Inhibit, Fault Detection, Voltage Monitoring, Movement Inhibit |

Display and Joystick

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|--------------------|---|
| Display Type | <ul style="list-style-type: none">10.4 " Diagonal Color |
| Display Resolution | <ul style="list-style-type: none">1024 x 768 pixels |
| Joystick Type | <ul style="list-style-type: none">Handheld Controller with X-Y Selector, Mini Joystick, and Dead-man Switch ControlsLase, Focus, Select, Stab, Accept, Camera SelectPower, Arm/Safe, Smoke Grenade Launcher, Charger, Safety Override, Brightness |
- Switches

ISIS - TARGET ACQUISITION / FIRE CONTROL MODULE

Day Imaging System

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|---|--|
| Color CCD w/27 x Zoom Optics | <ul style="list-style-type: none">768 x 494 resolution |
| Target Identification Probability Range | <ul style="list-style-type: none">4500 m @ 50% |
| Scalable FOV | <ul style="list-style-type: none">1.43° NFOV, 38.6° WFOV |

Night Imaging System

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|---------------------------------------|---|
| Cooled Infrared | <ul style="list-style-type: none">3-5 μm, 20 μm pitch, 640x480 μm resolution> 2000 m @ 50 %2.3° NFOV, 4.6° MFOV, 18.3° WFOV40/160 mm |
| Target Identification Range Three FOV | <ul style="list-style-type: none">Electronic stabilization during gun fire |
| Focal Length | |
| Image Stabilization | |

Laser Rangefinder

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|----------|---|
| Eye-safe | <ul style="list-style-type: none">ANSI Z136.1-2000 |
| Rep Rate | <ul style="list-style-type: none">0.7 Hz rep rate |
| Accuracy | <ul style="list-style-type: none">2 m @ 2.2 Km and 4 m @ 5 Km |

Ballistic Computer

- | | |
|--------------------|--|
| Corrected Aimpoint | <ul style="list-style-type: none">Corrected for ballistics, range, environmentalImproved probability of first round hit |
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communications

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