



**Empowering Defense: Safeguarding  
Lives with All-in-One Laser Detection**

**LASER  
WARNING SYSTEM  
LWS 4000**



## LW-4000 LASER WARNING SYSTEM

Laser warning systems are vital for detecting missile, UAV, and sniper threats, providing early alerts during covert or remote attacks. These systems enable timely defensive actions, reducing risks to personnel and equipment. Their affordability and precision have made them indispensable in modern defense, with many nations utilizing them to counter laser-guided weapons.

<b>Response Time</b>	Max. 500ms
<b>Threat Classification</b>	Laser Distance Meter (LDM) Laser Target Designator (LTD) Laser Guidance Beam (LGB)
<b>Detection Possibility</b>	LDM (Band I-II-III): %95 LTD (Band I-II-IV): %95 LGB (Band III-IV) : %99
<b>Detection Sensitivity</b>	10-20 (W/m <sup>2</sup> )
<b>Vertical Section Sight Range</b>	(-20 °) – (+ 70 °)
<b>Total Azimuth Visual Angle</b>	90° / Unit
<b>Communication System</b>	Canbus ( J-1939)
<b>Water and dust ingress protection</b>	IP67
<b>Operating Temperature</b>	-40°C / +60°C
<b>Storage Temperature</b>	-55°C / +85°C
<b>Salt Fog Resistance</b>	800 hours
<b>Power Consumption</b>	120 mA ±50 mA @24 VDC Nominal
<b>Weight</b>	1.8 ±0.5 kg

**Deployment:** Mountable on vehicles, personnel, and structures, these systems continuously monitor for laser markings.

**Early Warning:** Detecting laser markings or threats, the system alerts users and nearby personnel, offering a **10-30 second** window to evacuate or reposition, minimizing casualties and damage.

**Anti-Laser Smoke Technology:** Developed by AFSS, this technology deploys smoke grenades to disrupt laser accuracy, reducing reflections by up to 96%.

**Precise Location Information:** With 15-degree sensitivity, the system enhances anti-drone, air defense, and radar efficacy, accurately locating ground threats for swift countermeasures.

**General Threats Addressed:** Snipers, Anti-Tank Missiles (ATGM), UAVs, Tanks, Vehicles with Automatic Weapon Stations, Grenade Launchers, Mortars

