

Light Armored Vehicle

THE DAVID

The David is a cost-effective, survivable, light protected all-terrain vehicle that seats four or six crewmembers. Its armored capsule is mounted on a commercial Toyota® Land Cruiser LC79 pickup truck or on a Land-Rover® Defender®. The David offers battle proven advantages in power, versatility, protection, and lifecycle cost.

Battle Proven

The David has been in service in combat conditions for over 10 years. Hundreds have been fielded, with daily combat activity. The David has come under terror attacks ranging from rocks and stones to assault weapons and improvised devices. It has proven itself, saving lives of numerous operators, time and time again.

Two Platforms

The David is available in two configurations, based on the platform selected.

The Toyota Land Cruiser 79 and the Land Rover Defender are two of the best 4X4 medium commercial platforms.

The Land Cruiser has built a reputation for rugged durability, total reliability and exceptional performance in diverse driving environments, whether on or off the road in deserts, mountains, arctic plains or tropical terrain.

Part-time 4WD allows the best driving performance for the road surface conditions. Toyota's tried and tested six in-line, 4.2 liter diesel engine is powerful, yet economical. It's supplemented with a healthy

dose of low-down torque for increased tractability.

The Land Rover Defender utilizes an economical 2.2 liter, 4 Cylinder, turbocharged intercooled diesel engine which coupled with a robust six-speed manual transmission. A permanent 4 wheel drive, 2 speed transfer box, and a locking centre differential ensure performance in any environment.

More versatility

The David capsule is a "box" that allows for various seating arrangements. Rear area configurations include forward or aft facing seats, or face to face seating, of 4-6 passengers.

Three doors allow for rapid in-out operation, and an optional roof hatch allows for mounting a variety of weapons and equipment.

With the litter option, a stretcher can be placed above folding seats, to allow recovery in battle.

Situation awareness is achieved with six or eight windows – a single pane windshield, windows in each of the doors and side walls.

The OEM air conditioning system is augmented with a rear AC unit, with an optional NBC system.

More Protection

The David utilizes a ballistic system offering various levels of armor protection.

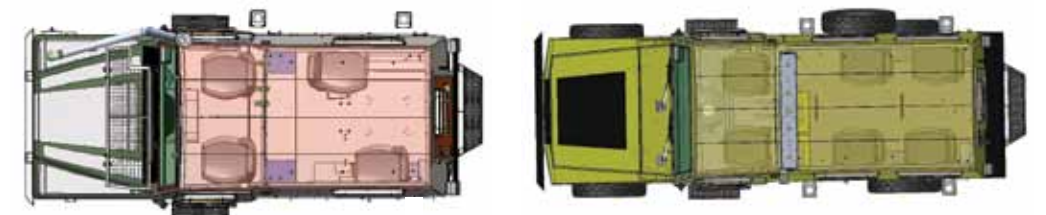
All windows, including the windshield, offer the same ballistic qualities. Optional swivel type gun ports can be mounted in all windows, including the windshield. The unique design locks barrels in place, eliminating the risk of discharging inside the capsule. This while allowing the use of the weapon's sights through the glass window, leaving the barrel opening as the only exposed area when weapons are in use.

Cost Effective

Using a commercial off-the-shelf platform reduces initial cost, reduces spare parts costs and reduces maintenance costs. The economical engine and the robust Toyota or Land Rover platform significantly reduce operating costs.



David based on Toyota Land Cruiser LC79 (far) and on Land Rover Defender (near). The David is designed for police, border patrol and paramilitary roles involving high risk, e.g., SWAT, anti-terror, and drug enforcement units, along with similar missions requiring all-terrain capabilities coupled with cost-effective survivability.



Four passenger Defender based David, and six passenger Toyota LC based David.



DAVID LIGHT PROTECTED VEHICLE SPECIFICATIONS

Chassis	Land Rover Defender 110	Toyota Land Cruiser LC79
Gross Vehicle Weight (kg)	3,800	4,700
Dimensions		
Overall length (mm)	4470	5040
Overall width (mm)	1790	1972
Overall height (mm)	2035	2227
Wheelbase (mm)	2794	3180
Ground clearance (mm)	240	235
Approach angle	48°	46°
Departure angle	28°	19°
Turning radius (curb to curb)	7 meters	7 meters
Wheels/Tires (Optional run-flat inserts)	265/75 R16	265/75 R16
Max. power	122 bhp (90kW) @ 3500 rpm	129 bhp (96kW) @ 3,800rpm
Max. torque	360Nm @ 2000 rpm	285Nm @ 2,200rpm
Transmission	Manual, 6 forward	Manual, 5 forward
Drive	Permanent 4 wheel drive	Part time 4X4
Transfer case	2 speed transfer box	2 speed transfer box



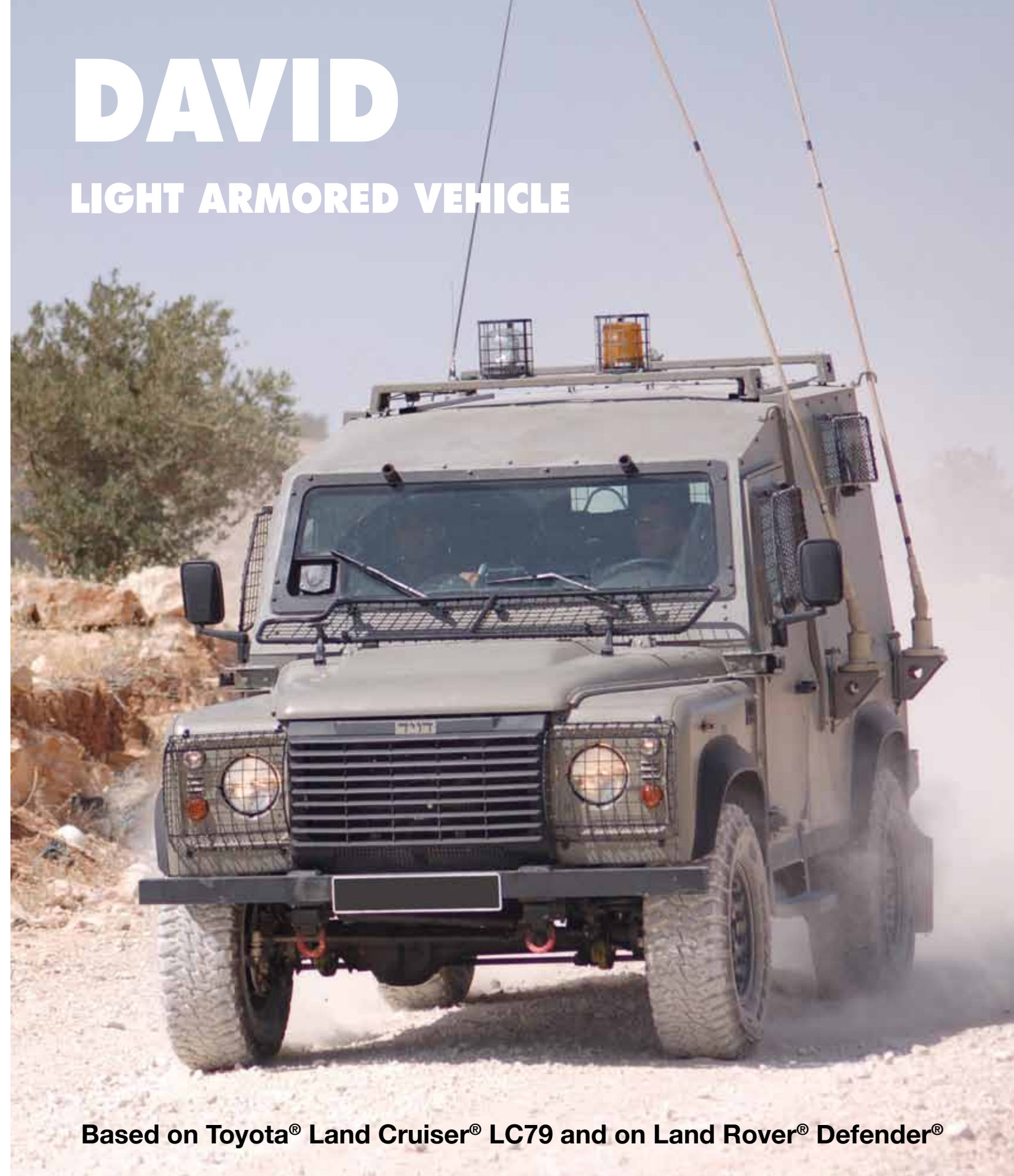
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