



**4X4 INTERNAL  
SECURITY VEHICLE**

**Otokar**



## A single platform adjustable for various missions

Otokar ISV is designed and developed for various public security missions. The vehicle is the right solution for personnel carriage in risky territories with its high level of armour protection. Thanks to its high and imposing appearance, ISV attracts attention in the crowd and discourages groups by generating a psychological effect on them.

Otokar ISV also provides the crew with a wide range of sight and enables controlling the progressing events outside the vehicle. The lean and flat outer body panels prevent rioters from climbing on the vehicle. High power weight ratio, permanent 4 wheel drive and ample ground clearance ease negotiating obstacles in and around the streets when required.



PERSONNEL CARRIER



PRISONER CARRIER



COMMAND CONTROL



AMBULANCE



## The Water Cannon Variant

The Water Cannon Variant has an armored cab for the driver and the operator at the front. The vehicle is fitted with an auxiliary engine located at the rear, to drive the water pump that powers the system. The tanks, the auxiliary engine and the rest of the system components are encapsulated behind the hull made of high-hardness steel, which provides protection against vandalism.



TECHNICAL SPECIFICATIONS	Internal Security Vehicle	Water Cannon Variant
<b>WEIGHT AND DIMENSIONS</b>		
Gross Vehicle Weight	19000 kg	19000 kg
Maximum Crew Capacity	16	2
Length	8160 mm (with barricade remover)	7700 mm
Width	2590 mm	2590 mm
Height	3810 (with turret)	3850 mm
Ground Clearance	360 mm	
<b>ENGINE</b>	Turbo Charged Diesel Engine, 440 HP	
<b>TRANSMISSION</b>	Automated 12 forward, 2 reverse	
<b>TRANSFER CASE</b>	Permanent 4 wheel drive, 2 speed with high and low ranges, central differential lock	
<b>AXLES</b>	Heavy duty axles with 100% differential locks	
<b>SUSPENSION</b>	Heavy duty parabolic springs at front and rear, hydraulic telescopic shock absorbers, anti-roll bars	
<b>BRAKES</b>	Dual circuit, compressed air brake with automatic brake shoe adjustment automatic, air drier device and ABS. Spring type parking brake acting on rear wheels. Exhaust brake with simultaneous action	
<b>STEERING</b>	Hydraulic power steering system, left hand drive	
<b>TYRES</b>	14R20 with run-flat system	
<b>ELECTRICAL SYSTEM</b>	24 V, 12 V, 230 Ah Maintenance-free Batteries, 28 V Alternator	
<b>PERFORMANCE DATA</b>		
Maximum Speed	100 km/h limited electronically	
Fording Depth	850 mm	
Side Slope	30%	
Gradeability	60%	
Vertical Obstacle	380 mm	
Trench Crossing	600 mm	
Angle of Approach	20° (with barricade remover retracted)	
Angle of Departure	20°	
Range	600 km	

INTERNAL SECURITY VEHICLE (Personnel Carrier / Command Control / Prisoner Carrier / Ambulance)	
STANDARD FEATURES AND EQUIPMENT	OPTIONS
The frame is designed especially for heavy duty on and off-road conditions	Smoke grenade launchers
Ladder frame chassis with riveted and bolted cross members	Multiple grenade launcher system
Independent air conditioning with auxiliary power unit (APU)	Additional applique armour
Public announce system and siren	Customized turrets for different types of weapons
Internally wired remote controlled front & rear searchlights	Winch
Roof hatch	Sound cannon
Heated and remote controlled rear view mirrors	Crowd pusher
Ventilation and heating system	Surveillance camera with retractable mast and pan/tilt head
Wire-mesh protection on all glazing	Digital video recording system with GSM router
Pneumatically operated wire-mesh protection on windscreen	220V and 12V power outlet
Wire-mesh protection on all exterior lights	Antenna mounts for different configurations
Towing attachments in front and rear	Radio trays for different configurations
Gun ports all around	Over-pressure & NBC gas filtration system
Teargas launcher port on the front glazing	Wire cutters fitted on either front side of the vehicle
Removable door handles for increased security	Automatic fire suppression system for engine compartment
Smoke extraction fan on the roof	Automatic fire suppression system for crew cabin
Hydraulically operated ramp door with steps at the rear	Automatic fire suppression system for APU compartment
Hydraulically operated right sliding crew doors at the side	Automatic fire suppression system for fuel tank compartment
Flap doors with open-lock mechanism for the driver & commander	Fire suppression system for wheel station
Fixed cameras at the front and rear	Fire suppression system for exterior surface
Bolt-on Molotov cocktail protection shields for the engine air & radiator air inlets	Stowage for riot gear & ammunition
Fire retardant paint	Refrigerator and hot water dispenser
Rifle clips	Hydraulically operated two sliding crew doors at the sides
Spiked mirror arms to prevent rioters from climbing on the vehicle	
Light bar and front/rear flasher lights	
Hydraulic front barricade remover with brush underneath	

WATER CANNON SYSTEM	
Water Tank Capacity	6 tons
Auxiliary Engine	Diesel, 100 HP
Shooting Range	50 m at 8 to 12 bar (at the nozzle exit)
Cannon Material	Aluminium
Movement	Pan tilt movement by DC electric motor
Rotation Speed	Slow/fast rotation modes
Gas / Dye / Foam Injection	13 bar injection supplied from 60 / 60 / 80 lt. tanks
STANDARD FEATURES & EQUIPMENT	
Single touchpad control panel for setup and operation	
Friendly user interface	
Multi language operation, settings, maintenance and help menus	
Menus with detailed information	
Diagnosis function and data export through compatible computer socket	
Camera with night vision function	
Single hand control system carries out all the necessary functions of the water cannon and the camera	
Wide screen LCD displays for surveillance and cannon cameras	
360° rotation capability	
Shooting modes with short/long intervals and continuous operation	
Gas/dye mixtures with adjustable ratio	
Blockage prevention on the gas/dye/foam nozzles with automatic after-shot treatment	
Gas spraying protection system around the vehicle	
Fire extinguishing system on the roof and body, above each wheel and underneath the vehicle	
Ability to shoot foam through the water cannon	
Water supply from water ponds, rivers, sea	
OPTIONAL EQUIPMENT	
Digital video recording system with GSM router	
Smoke grenade launchers	
Multiple grenade launcher system	
Over-pressure & NBC gas filtration system	
Sound cannon	
Crowd pusher	
Antenna mounts for different configurations	
Radio trays for different configurations	
VEHICLE VARIANTS	
10 tons water capacity (6x4 and 6x6 vehicle configurations)	
2x water cannons with separate remote control stations, 2+3 crew capacity (6x4 and 6x6 vehicle configurations)	

All text and illustrations shown in this brochure are not binding and are provided for guidance only. OTOKAR reserves the right to introduce modifications in line with technical progress and change the product specifications without any prior notice.

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