

Surveillance Remotely Operated Vehicle (SROV)

The Surveillance Remotely Operated Vehicle (SROV) has been designed at Research & Development Establishment (Engineers), Pune, a premier laboratory under Defence R&D Organisation. The SROV has been designed to be one man portable on his backpack and be deployed using a hand held operator console. The SROV can traverse through urban and cross country terrain. It is capable of climbing stairs and entering into buildings. It is equipped with cameras with day and night vision capability. The SROV can be remotely controlled and provides live video of the area under surveillance. The on-board cameras are switchable and allows for all round view. In addition, the SROV can be used as a platform to carry a Water Jet Disrupter (WJD) to defuse Improvised Explosive Devices remotely. The WJD is mounted on a pan-tilt platform and the operator can use the two laser pointers provided to aim at the target. In addition, the SROV can also be used for remote charge dropping using a specially designed mechanism.



Salient Features

- Range: 200m LOS
- Endurance: 2 hrs
- Stair climbing capability
- Silent Operation
- Payloads: Recoilless Water Jet Disrupters
- Aiming Devices: Laser pointers
- Command & Control: Remote through RF link
- Video: Real Time Transmission through RF link
- Vision: Multiple CCD cameras with day and night capability
- Master Control Station: Hand held