

40mm SPARCS



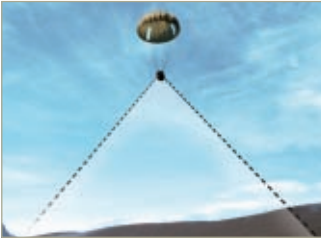
40mm Soldier Parachute Aerial Reconnaissance Camera System

- Compatible to any standard 40mm low velocity grenade launchers
- On demand availability
- Improve situational awareness for ground commanders and personnel
- No need for trained operators, easy to use with existing grenade launchers
- Fire, collect and forget. No maintenance and logistic support required.
- Low cost intelligence gathering solution for ground personnel
- Information collected on descent, ensures collection of critical information behind cover

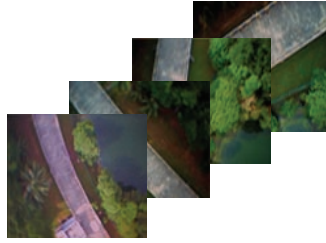


**Singapore Technologies
Kinetics**

A company of Singapore Technologies Engineering



Deployment in the sky



Captured images during descent



Stitched image on handheld device

Operations

The 40MM SPARCS is designed to be fired from existing grenade launchers in use by most military, law enforcement and civil disaster management agencies. The SPARCS camera round can be fired from any standard 40mm grenade launcher and the projectile carrying the camera will be deployed to acquire top down aerial views of the target area. Images collected would then be stitched together to provide a wider aerial image of the target area. When used in build up areas, information on rooftops, behind cover and alleys can be effectively collected for better situational awareness.

These real time images are sent wirelessly to the receiving station, which can be any common computing device with a wireless receiver plugged in. Images stitching software developed is also compatible to most operating systems and operators can easily adapt the SPARCS to existing infrastructure for immediate deployment to enhance situational awareness.

Operational Concept



Technical Specifications

Calibre	40 mm
Length	134 mm
Weight	220 g
Velocity	76 m/s
Maximum Altitude	150 m
Corresponding Range	160 m
Camera	CMOS Camera
Visual angle	54°
Frequency	2.4 GHz
Launcher	CIS 40GL / M203 / M79 / H&K 69

Note: Specifications are subject to changes by the manufacturer without prior notice.