Operational Unit Characteristics:

Tracker & Launcher (TL)
Interfacing two missiles, FLIR camera & Laser Range Finder (LRF).
Enables target tracking, investigation, identification and missile firing

Engagement: up to 7km (missile dependant)
Carriage capability: 2 MANPADS
IR Tracking Range: up to 15km (target & weather dependant)
TL Field Of Regard (F0R): horizontal 360° x vertical -10° to +70°
Continuous zoom IR camera

Wide band hi-power Jammer
RF OMNI DIRECTIONAL jamming system block RF communication frequencies and GPS

Stand Alone Multi-Directional Jammer Unit
RF Multi Directional jamming system block RF communication frequencies and GPS
Detection & Jamming up to 600m
Total Power Output: 80 WATTS
Weight: 20kg
Antennas: 2 Directional high Gain antennas
SMS notification on detection

Infra Red Scanner [IRS] - Optional
FLIR camera with panoramic imaging, providing 24/7 passive
target detection
IR detection range: up to 15km (target & weather dependant)
Scanning (sectorial): horizontal - up to 359°/vertical - up to 22°

RADAR System
Man - portable aerial radar system
Track while scan of more than 100 targets, solid state technology
Range: up to 20km, Detection range: uav 6km, Azimuth: 360°

Control Unit [CU]
Single operator controls all system activities through the CU:
Target detection & identification, target engagement & launch

Power Supply [PS]
28VDC or 110/220VAC

RED SKY-2
The Most Effective Low Altitude Point & Air Defense Solution

RED SKY-2 is a Hard & Soft Kill, fast-deployment, Mobile & Modular
Low-Altitude Air Defense system with Command & Control capabilities

The RED SKY-2 system:
- Brings MANPADS missiles to their maximum operational envelope
- Provides decision-making support in the target detection and firing processes,
  overcoming human operator limitations, while increasing hit probability
- Offers continuous surveillance and operational readiness, 24/7 operational
  capabilities, automatic passive detection capability and missile cueing in acquiring
  detected targets
- Delivers a flexible solution for Point Defense of strategic assets, essential air
  corridors and rapid deployment forces

Typical Deployment of RED SKY-2 Battery is based on 3-6 operational fire units
RED SKY-2 - The Most Flexible System for Low Altitude Air Defense

Operational Flexibility
- Adjustable deployments in accordance with operational requirements and physical terrain constrains
- Stand-alone Fire Unit capability
- Vehicle or ground-deployed configurations
- Air & ground transportability
- Enhanced survivability
- Compact system (size and weight)

Multi Missile Interface
- Launcher is adaptable to various MANPADS IR homing missiles

Improved Hit Probability
- Optimized engagement process
- Automatic firing envelope calculations
- Operator decision support

Mobilized Configuration
- Can be mounted on various vehicles for fast deployment and immediate "Ready to Fire"

Command, Control & Communication [C³] Network
Battalion and batteries command posts together with high performance
3D Radar - all integrated with RED SKY-2 Control Units, enabling early detection, threat assessment and combined battle management