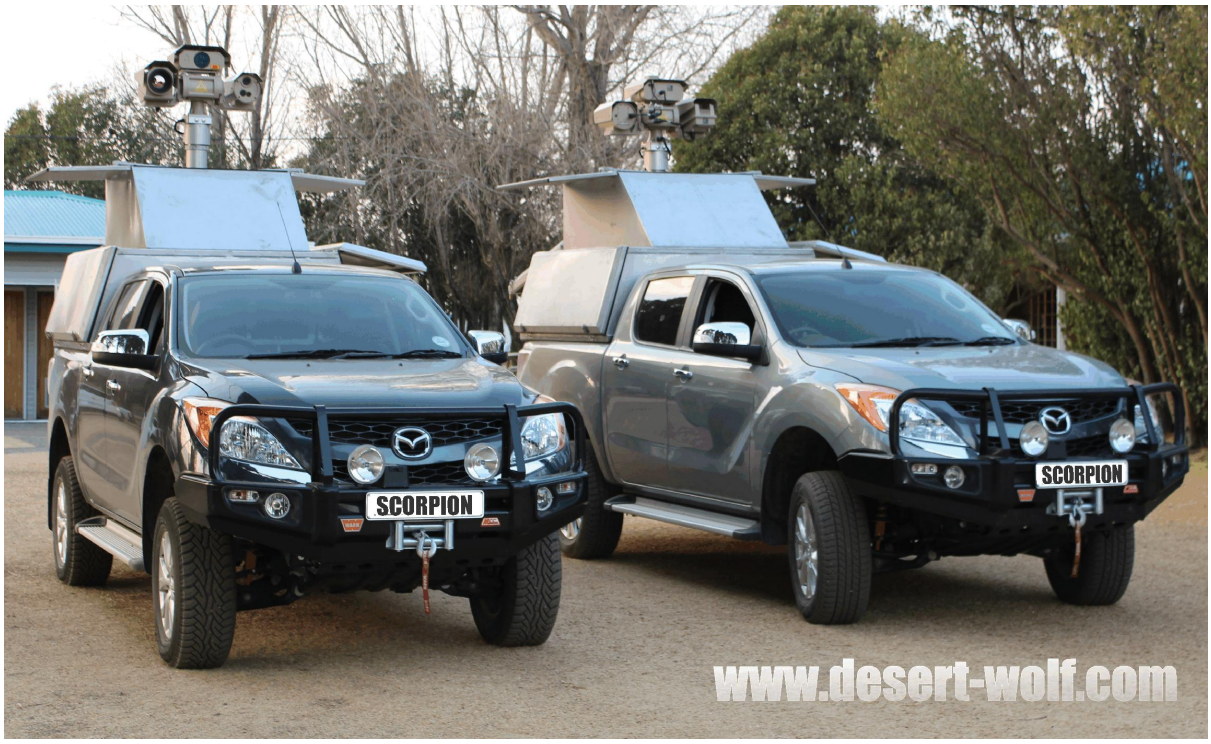
Desert Wolf Scorpion Surveillance System

Integrated thermal surveillance system based on FLIR Ranger HRC-E multi-sensor

First of its kind in Africa!



System features:

- Rapid deployment – the system is operational within 3 minutes after stopping at a site
- Standard range high resolution daylight TV camera
- Long range cooled thermal camera with zoom between 24deg FOV and 2deg FOV
- Integrated GPS, compass and laser range finder – enabling geo-location of a target to exact location
- Full time video recording
- 3 meter pneumatic mast to extend the sensors for additional range
- Highly accurate high speed pan and tilt system
- Integrated control system enabling ease of use and command of the entire system from a joystick

FLIR SYSTEMS

Scorpion

Desert Wolf®

See Anywhere, Be Everywhere

Detection, Recognition, Identification of a Human Target

HRC-E
275 mm lens

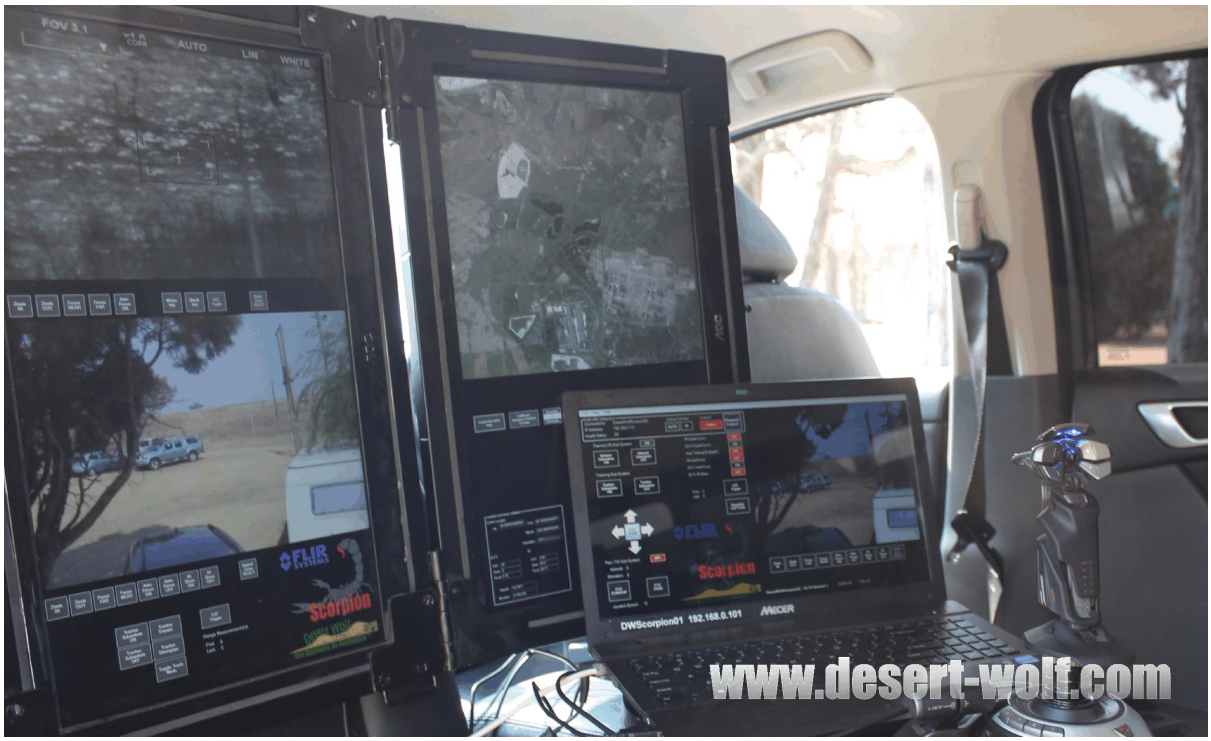
Detection approx. 10.5 km
Recognition approx. 3.3 km
Identification approx. 1.6 km

Detection, Recognition, Identification of a Vehicle with 2.3m critical dimension

HRC-E
275 mm lens

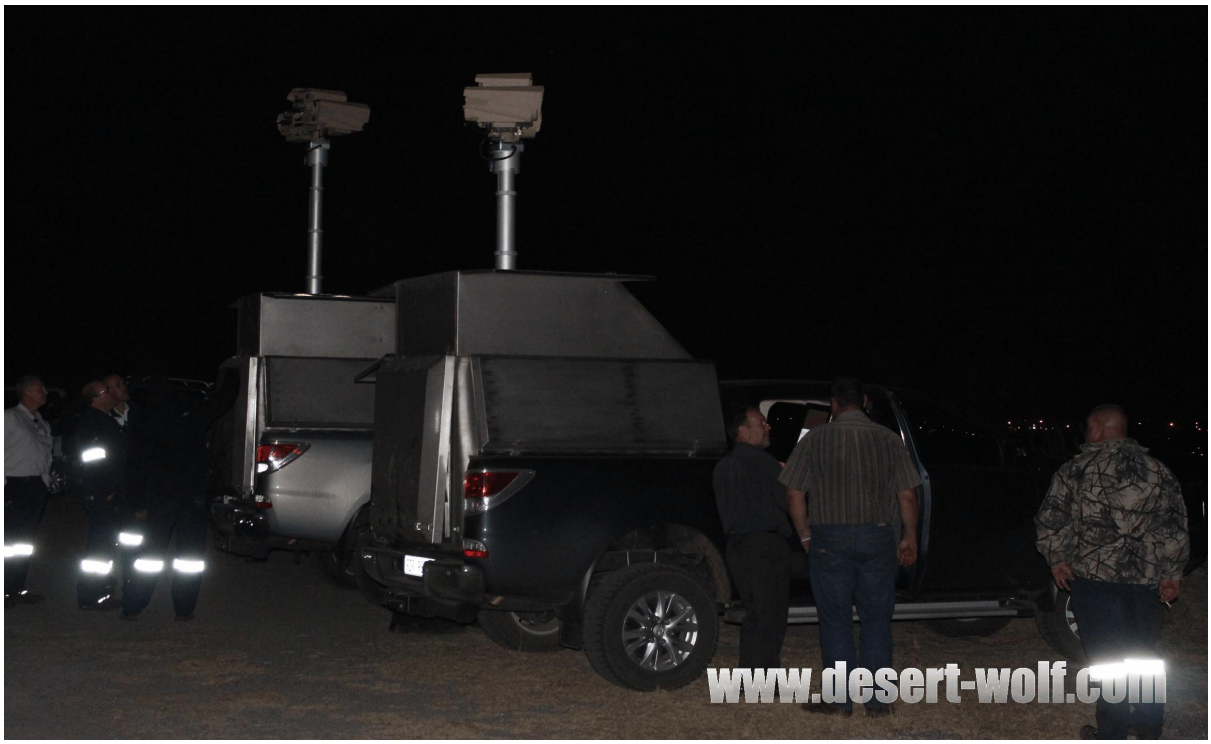
Detection approx. 17.7 km
Recognition approx. 7.3 km
Identification approx. 4.0 km

FLIR Systems' thermal imaging systems use state-of-the-art infrared imaging technology that detects infrared radiation - or heat - enabling the user to see in total darkness, in practically all weather conditions. Terrorism, vandalism, and random violence threaten the safety of personnel and the integrity of public and private facilities. A comprehensive security program utilizing thermal imaging cameras like the FLIR HRC-E is the key to asset protection and risk mitigation. Thermal imaging cameras expose threats hidden in the darkness, concealed by adverse weather, and veiled by obscurants like dust, fog, and smoke.



The HRC-E thermal imaging camera detect intruders sooner, provide more time to react and protect people, assets, and infrastructure. They are operational 24 hours a day even in the darkest of nights, dense fog, snow or smoke. The HRC-E is equipped with a mid-wave, cooled detector. A thermal imaging camera with a cooled detector gives you the advantage that you can see and detect potential threats much farther away than with an uncooled detector. But there is more - objects which are at a close distance can be seen with much more detail. You can see what people are

carrying. There is no need any more to send someone out in the field to take a closer look since small details can clearly be seen on the thermal image.

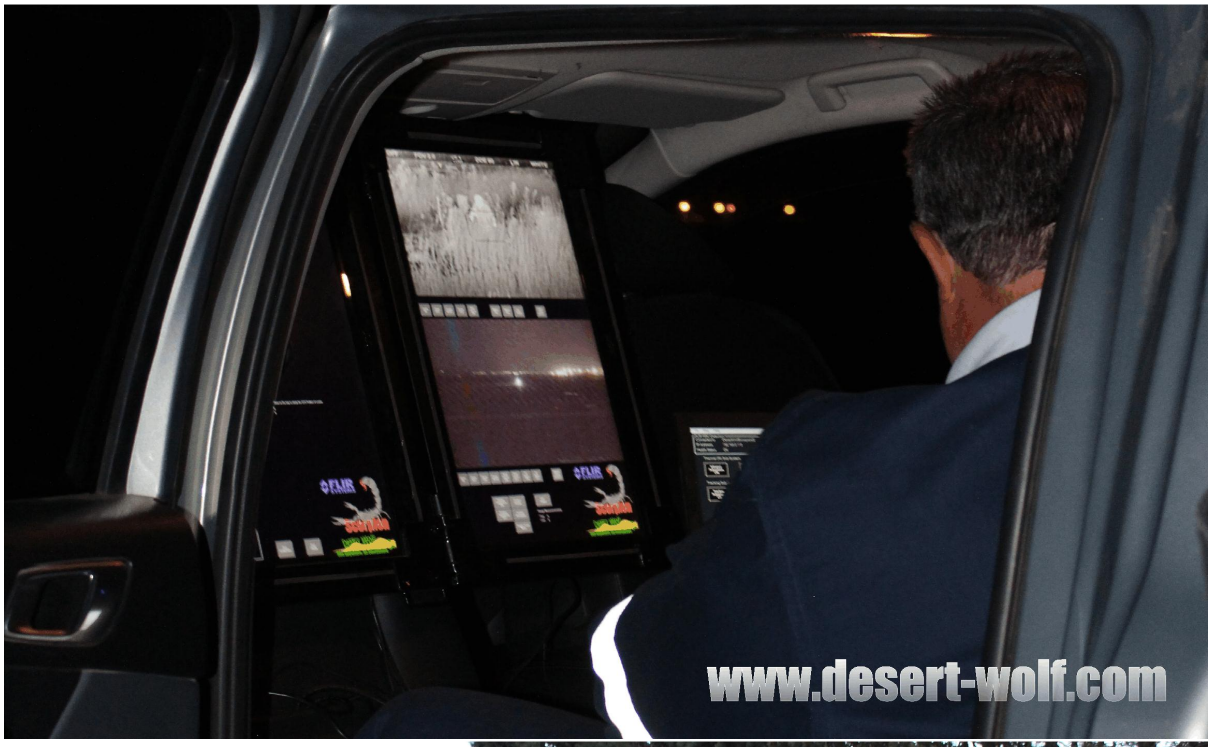


The HRC-E thermal imaging camera is equipped with powerful continuous optical zoom capability on the thermal image. It offers excellent situational awareness but also the possibility to zoom-in, and see more detail, once a target has been detected. Operators can see farther, recognize more detail and react more quickly to security threats. The advantage of continuously zooming compared to other systems that are using a rotating lens system is that there is no switch or swapping between the different images. You can gradually zoom in while keeping your focus all the time.

FLIR Systems has developed a powerful algorithm that helps to overcome the problem of finding low contrast targets in high dynamic range scenes. Advanced Digital Detail Enhancement (DDE) assures clear, properly contrasted thermal images. DDE delivers a high contrast image even in extremely dynamic thermal scenes. It provides high quality thermal imaging in any night- or daytime environmental conditions. The HRC-E features an exclusive auto focus feature which delivers crisp, clear images at the press of a button. Focus is kept while zooming in or out. The system allows you to experience better situational awareness in the wide field of view, while maintaining detailed recognition capabilities in the narrow field of view.

The Desert Wolf Scorpion surveillance systems are extremely rugged. Their vital core is well protected against humidity and water and operate between -32°C and +55°C.

The system is also equipped with an Automatic Video Tracker, enabling the user to select a target. Selecting and engaging in tracking mode is easily done by the touch of a button. Once the tracker is engaged, the Multi-Sensor systems will follow the object as long as it can be seen.
The video tracker also provides electronic stabilization. A useful features when the Multi-Sensor is installed on a mast where it is susceptible to movement by the wind.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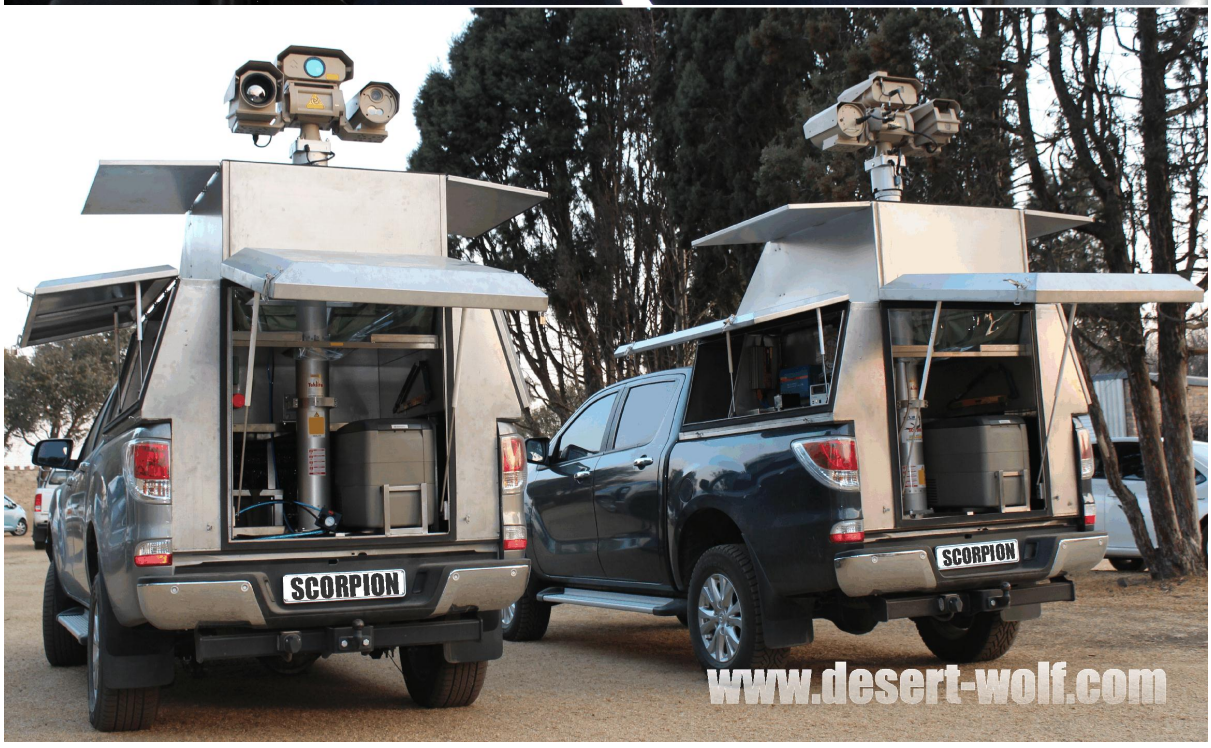
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