

# STEALTH DECEPTION SURVIVAL

ADAPTIV ACTIVE DEFENCE SYSTEM

# Unique to BAE Systems, the active and modular ADAPTIV defence system makes vehicles invisible to enemies, keeping crews safe.

## State-of-the-art technology

Unlike traditional camouflage systems which rely on paint or nets to hide vehicles, ADAPTIV uses lightweight hexagonal pixels. These are electrically powered by the vehicle's systems, to instantly hide a vehicle. ADAPTIV can also disguise vehicles, allowing them to mimic another vehicle's thermal signature or that of the background terrain.

The system can also be used on ships and fixed installations. It allows crews to stay undetected by enemy surveillance units or to clearly identify them to allied forces with the creation of ID tags for long range identification.

With the ADAPTIV system installed, a vehicle's crew has:

- The ability to blend into natural surroundings
- The ability to mimic natural objects and other vehicles
- A significantly reduced detection range
- Enhanced Identification Friend or Foe (IFF) capability

## Blend into the background

Once mounted on a vehicle's hull or ballistic armour plates, ADAPTIV renders it invisible to infra-red technology. A vehicle equipped with the defence system is also able to change its thermal signature by either adapting to the surroundings or by picking pre-designed signatures from a mission signature library.

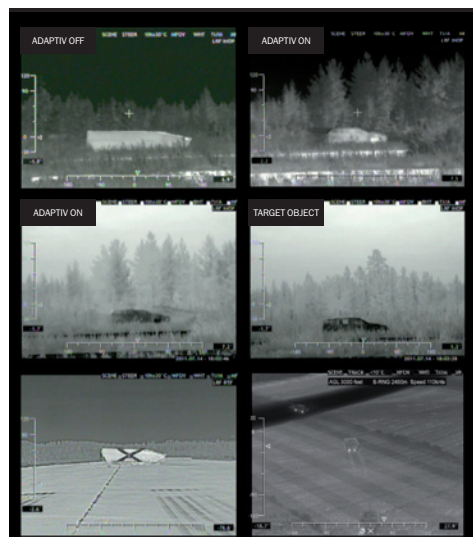
The crew can then disguise themselves as an enemy or another object to avoid engagement. By mimicking other vehicles, ADAPTIV offers a unique ability by hiding the crew's true identity whether they are stationary or on the move.

These unique signatures are created by individually heating and cooling the system's pixels using commercially available semi-conducting technology. The hand-sized pixels are robustly constructed, so that they can sustain physical impact and provide defence against enemy ordnance.

The entire system has been designed with ease of use in mind, and the pixels are able to be easily and rapidly removed and replaced if damaged.

The ADAPTIV system is the latest breakthrough in stealth warfare tactics and a step forward in adaptable camouflage. Whether it is day or night, whether they are on the move or stationary, ADAPTIV gives your crews increased stealth and greater survivability.

*BAE Systems is a leader in the development of advanced armour and weapon systems that significantly enhance survivability. The innovative design and superior performance of ADAPTIV is the latest step in keeping your troops safe and giving them the edge on the battlefield.*



## ADAPTIV ALLOWS VEHICLES TO REMAIN UNDETECTED BY ENEMY SURVEILLANCE, INCREASING CREW SURVIVABILITY.

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