



# APPLICATION STORY



## Thermal imaging cameras for home security

**FLIR SR-Series:**  
an affordable and environmentally friendly solution

*All over the world the perimeters of industrial parks, airports and harbors are being protected with the help of thermal imaging cameras from FLIR Systems, but the security solution big companies choose to protect their assets can be used for home security as well. Extremely affordable, maintenance free and environmentally friendly, FLIR thermal imaging cameras can be the ideal security solution for home protection.*

*A very good example of this fact is an estate near Newport Pagnell in Buckinghamshire, the United Kingdom. The estate has been secured by FLIR integrator Case Security. Andrew Herridge, Operations Director at Case Security, explains why the owner of the estate opted for thermal imaging cameras. "FLIR thermal imaging cameras need no light to function and are incredibly dependable."*

Case Security provides electronic security solutions for commercial markets and a limited number of high-end domestic customers. They deploy state-of-the-art technologies to control, deter and monitor their clients' premises, including FLIR thermal imaging cameras.

### No light needed whatsoever

Unlike other night vision systems, thermal imaging cameras detect the thermal radiation that is around us all the time, translating it into a visual image. This means that FLIR thermal imaging cameras deliver 24/7 imaging capability regardless of lighting conditions. And that's not all: thermal radiation penetrates atmospheric obscurants

better and farther than visible light, allowing you to see what's out there through haze, smoke, dust and even light fog.

"This estate has quite a lot of land that comes with it", continues Mr. Herridge. "In this rural environment there are no streetlights, so to monitor the entire area with normal Closed-Circuit Television (CCTV) cameras we would need to install lights ourselves. That would not only be a very costly operation, it would also attract attention to the property, disturb the local wildlife and it would be bad for the environment with all the electricity needed to power those lights. And you also have to consider the cost of maintenance, for

*With its excellent range performance this SR-313 can detect intruders from a distance.*



*These two FLIR SR-313 thermal imaging cameras have adjacent fields of view, together they cover a large part of the surrounding fields.*

lights tend to break down every once and a while. With FLIR thermal imaging cameras you don't have these problems."

### User friendly

The FLIR SR-Series thermal imaging cameras include the most advanced thermal imaging technology available on the market today, but in a user friendly package. The FLIR SR-313 thermal imaging cameras incorporate an uncooled Vanadium Oxide microbolometer detector producing crisp 320 x 240 pixels thermal images. Advanced internal camera software called Digital Detail Enhancement enhances these images further, to ensure that even the smallest of details can be seen.



