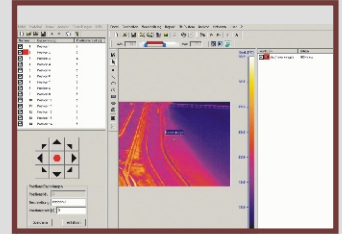


# Hangar monitoring

## Thermographic monitoring with IrDomeControl



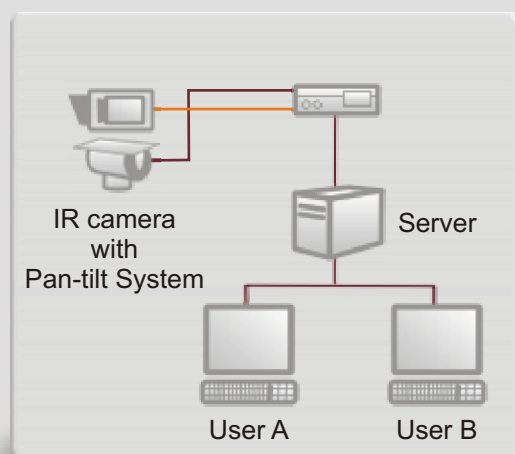
**For financial reasons, monitoring solutions using infrared imaging for large spaces have, until now, seldom been a feasible proposition. Automation Technology's IRControl/DomeControl software solution now changes that, meaning that infrared monitoring systems can even be used in vast aircraft hangars.**

Infrared cameras record thermal radiation as an image. This means they can identify things which are undetectable when using optical systems. The advantages of infrared imaging systems for monitoring tasks are, quite literally, plain to see: even in complete darkness, vast areas can be monitored with ease. Furthermore, visual disturbance variables (such as fog) have no negative impact on their reliability. It is in areas such as aviation - where security and safety solutions are subject to the highest demands - that this type of monitoring is an ideal alternative or supplement to conventional security systems.

As well as being used for safety purposes, infrared cameras can also be deployed to great effect as early-warning systems to detect fire. This makes them ideal for use in military and civilian aircraft hangars. Aircraft are kept in hangars to protect them from unauthorised persons. At the same time, the early and reliable detection of any fires that break out is crucial. Automation Technology's IRControl infrared imaging

software is a dependable solution for both tasks. The thermal images, recorded on the basis of an individual measurement plan, are then analysed by the software in real time. Should, say, an unexpected rise in temperature in a hangar lead to a risk of fire, IRControl will sound an alarm in plenty of time. At the same time, images are recorded so that the cause of the alarm can be traced.

The relatively high camera costs continue to be a major factor in the price of an infrared monitoring system. To monitor large areas - such as aircraft hangars - the number of cameras used needs to be kept as low as possible. This is the only way such systems can be implemented at acceptable prices. Automation Technology has developed the DomeControl upgrade module for its IRControl software as a logical solution to this problem. This combination allows, for the first time, not just the fully automatic control of pan-&-tilt units on which the cameras are mounted, but also automatic data analysis. Thanks to this innovative development, Automation Technology has expanded camera fields of vision many times over, quite literally improving the outlook for infrared monitoring. More efficient camera use also reduces purchasing costs to a minimum. From now on, wide-scale monitoring of aircraft hangars or similarly large spaces is possible at affordable prices.



<http://www.automationtechnology.de/>