

## Thermal simulation is key to JVC CCTV product reliability

JVC Professional Europe Ltd. has published, *Thermal simulation is key to JVC CCTV product reliability*, a white paper that discusses how JVC Security Group relies on thermal simulation and environmental initiatives to improve product engineering.



"When it comes to today's highly integrated electronic components, heat is a killer," Fedja Vehabovic explains. "Lower internal temperature significantly increases the life span of CCTV equipment, which is why it's important to identify potential thermal issues during product design. We also strive for energy efficiency – not only is it better for the environment, but less power consumption means less heat."

JVC engineers strive to minimise and control the heat generated inside their cameras and network video recorders to improve product lifetime expectations, an effort that is substantiated by the company's reputation for reliability. The white paper analyses how excessive heat can impact electronic components, why thermal simulation is critical to product design, and how energy efficiency leads to better environmental performance.