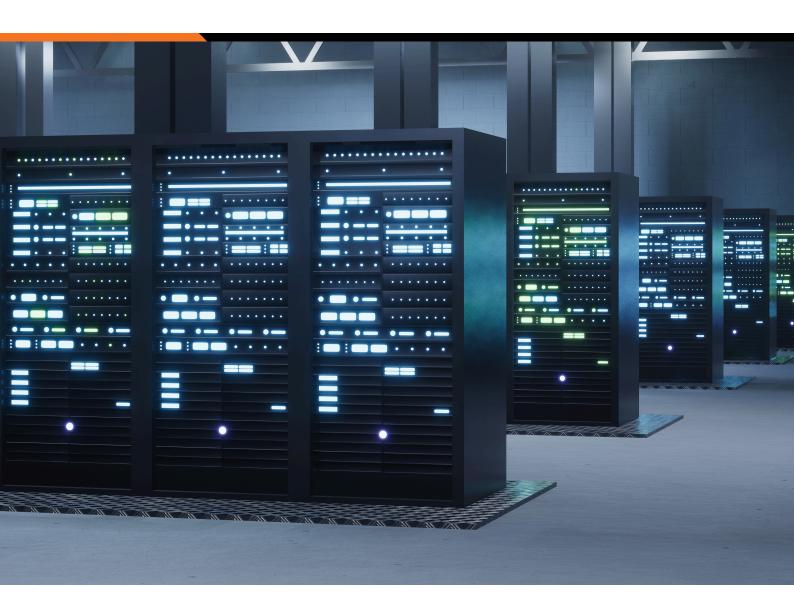# When AI-Powered Thermal Cameras May Not Be Right for Your Data Center

By Allen DiGerolami [in]

Hanwha Vision America
Business Development Manager, Data Center Solutions

Thermal surveillance cameras with AI capabilities can be highly effective for data center operators. They deliver many obvious benefits that enhance safety, maximize productivity, and improve operational efficiency, from the perimeter to the data center core. But, they may not always be ideal for every situation.

When AI-Powered Thermal Cameras May Not be the Top Choice

Shortage of Technical Resources: If a data center operation has a shortage of staff, employees working to maximum capacity, or lacks personnel with the necessary technical experience and knowledge, successful deployment and management of AI-powered solutions, including AI-powered thermal cameras, may be challenging.

Implementing AI-powered systems can require more time and broader experience in managing thermal data effectively.

For data center operators facing these conditions, working closely with the right video surveillance partner can pay big dividends. They can either guide you to other high-performing non-AI thermal options that best fit your needs, or provide you with a clear roadmap - and clear Total Cost of Ownership evaluation - to optimize your AI journey and use of AI-powered thermal cameras.

Budgetary Considerations: Data centers with significant operating budget constraints should work closely with their video surveillance partner to determine if more expensive, AI-powered thermal cameras are truly the best option, or if available budget should be directed towards traditional thermal cameras, or other surveillance options.

Data/Privacy Concerns: Combining the power of AI and advanced imaging into a single camera can capture significant data, including individual behavior patterns, common movements, heat signatures, and more. While this might not be a concern in a single, company-owned and operated data center, the use of AI-powered thermal cameras can raise privacy concerns for employees and visitors in other types of data centers, most notably multi-tenant ones.

Hanwha Vision