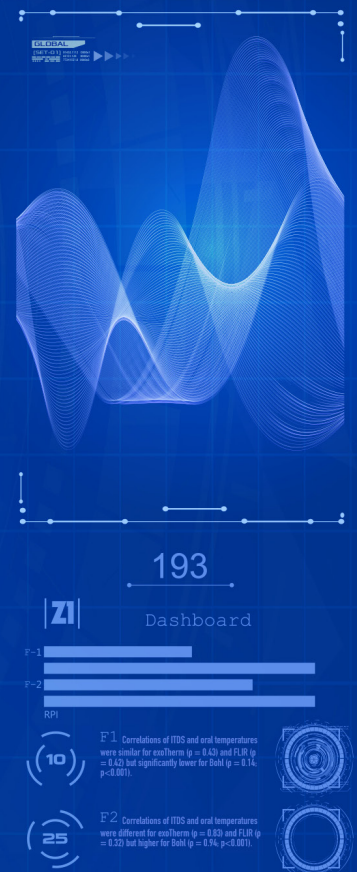
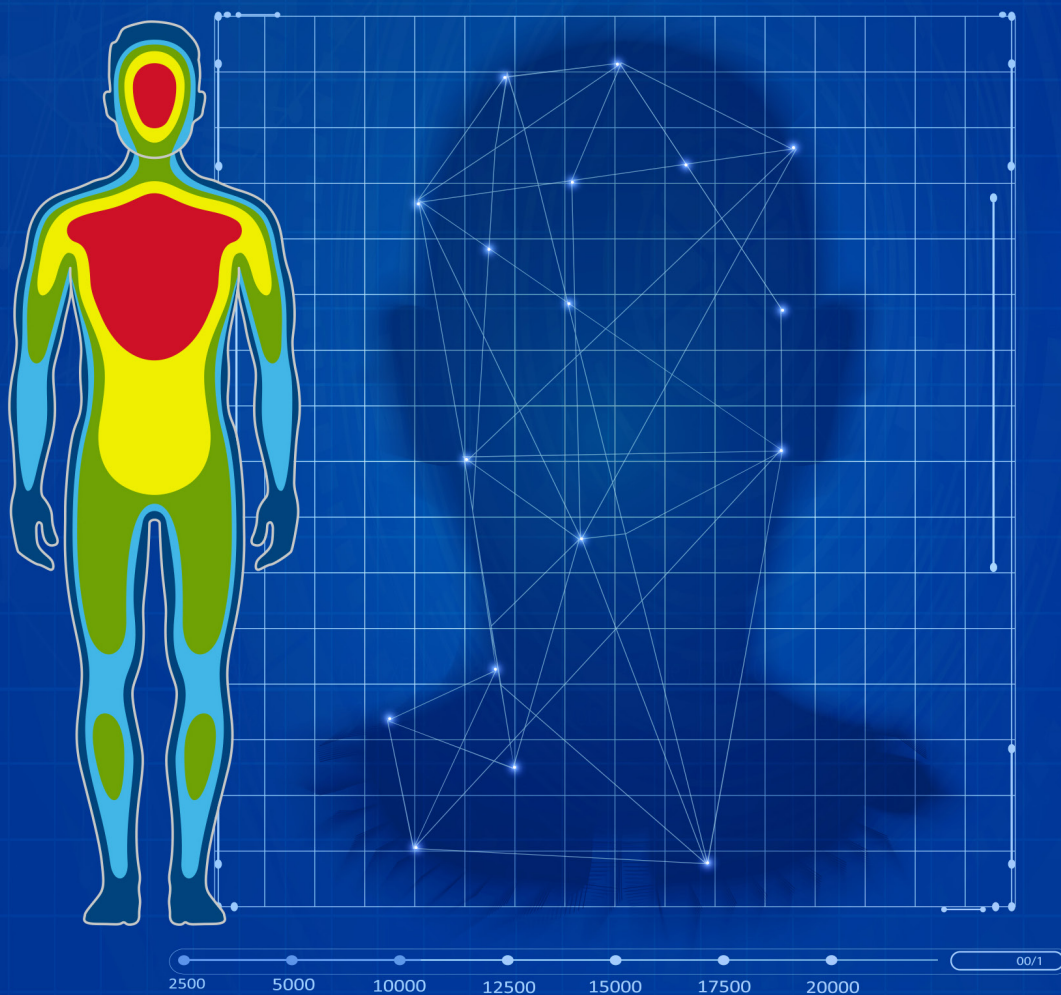
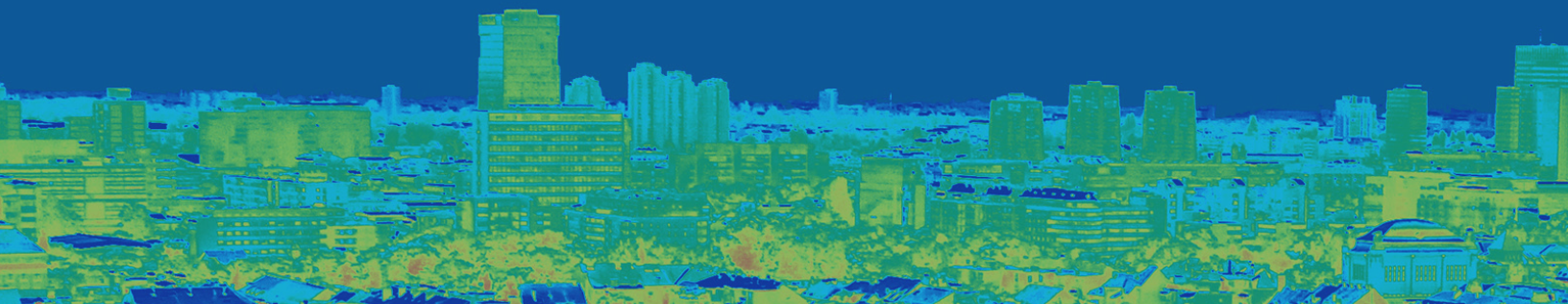


Combining the power of thermal vision and artificial intelligence to enhance safety and security

INTELLISITE THERMAL VISION SOLUTIONS, BUILT ON DELL TECHNOLOGIES



Helping to keep people, property, and the planet safer



Thermal vision: enabling security and safety / computer vision transformation across industries

Thermal imaging technologies have been utilized by organizations across a variety of industries for multiple years. The deployment of these capabilities has been beneficial where there is a need to provide visibility in low light, such as for perimeter security in poorly lit areas. Recent advancements like the miniaturization of infrared sensors coupled with edge computing and advanced analytics, however, have brought these capabilities to the forefront.

In just a short time, we have witnessed the rapid evolution of **thermal vision**—the combining of optical and thermographic sensors with artificial intelligence (AI) to monitor and create alerts on variances in temperatures to a baseline above or below acceptable thresholds, as defined by the end-user organization.

Expanding your safety and security platform with thermal vision capabilities is much more than just acquiring an off-the-shelf thermal camera with a data-collection system. The true value of thermal vision is realized when sophisticated background processing combines thermal data with other structured and unstructured data using advanced analytics as part of an organization's larger security or operational workflow. There are a variety of applications across industry use cases creating new opportunities for your organization to deliver insights mapped to your business objectives. Automated alerts can be built into systems according to business and customer needs ranging from measuring social-distancing adherence to identifying weaknesses in oil pipelines to monitoring combustion from a jet engine to assisting organizations and consumers returning on site.

◦ What's driving the accelerated adoption of thermal vision? ◦



...

Meeting potential public health requirements



...

The needs of businesses looking for new tools to return to onsite activities



...

Increasing demand to streamline screening at airports



...

Rising government investments in smart building technologies



...

Expanding use of thermal scanners in the manufacturing industry

Dell Technologies Smart Infrastructure



ROBUST SOLUTION PORTFOLIO

Leverage our robust product portfolio that provides the right hardware and software to precisely suit your particular use case and can scale from mobile solutions to enterprise environments. Dell Technologies provides essential infrastructure to power the complex requirements of the IntelliSite Thermal Vision solutions—from edge to core to cloud.



LOWER INVESTMENT RISK

With Dell Technologies smart infrastructure, your organization minimizes risk and maximizes value with our tested, optimally configured, integrated designs built with best-in-class hardware and in conjunction with software partners.



COMPREHENSIVE, LAB-VALIDATION TEST APPROACH

To help deliver a solution for your organization that works from day one, Dell Technologies aligns validation standards with our partners to test hardware and software in extreme, real-world scenarios in order to reduce deployment risk.

Taking a proactive approach to workplace safety and security

Ensuring the safety of employees, customers, and visitors to your workplace environment is paramount to resuming and then continuing normal business operations. By leveraging IntelliSite Thermal Vision solutions built on Dell Technologies, employers can institute organizationally defined measures that help improve safety and security for all, such as using it to identify temperatures over and under a defined threshold at workplace entry points. If required by a public health mandate, anonymous mask detection integration is an optional feature that can be used to detect whether employees are adhering to mask requirements as stipulated by company guidelines or determine compliance with social-distancing mandates.

THERMAL VISION USE CASES ACROSS INDUSTRIES

Healthcare: Patient safety, staff security, queuing management

Retail: Staff safety, supply-chain security

Manufacturing: Leak detection, stress fractures and hot spots on furnaces

Public Safety: Transportation facilities, perimeter security, concealed-object detection

Smart Buildings/Entities: Chiller analysis, insulation, effectiveness/leakage

Hospitality and Entertainment: Customer safety at theme parks, concerts, theaters; control of line queuing

Energy and Utilities: Transmission-line monitoring (e.g., cracked insulators)



Rethinking safety and security / computer vision in a changing world

Making the decision to adopt a thermal vision solution goes beyond just adding a camera and simple data storage. IntelliSite Thermal Vision Solutions, built on Dell Technologies, simplifies and streamlines your organizational deployment process.

The offering simplifies how thermal imaging technology is delivered to help organizations evolve

to meet changing business objectives by improving security and realizing value from their investments more quickly.

Dell Technologies offers an expansive range of essential infrastructure from computers, monitors, servers, and storage solutions to safety and security appliances and analytics infrastructure. Dell Technologies also partners with camera providers, video-management software (VMS) ISVs, and AI solutions providers to streamline deployment and improve overall IT performance.



DELL TECHNOLOGIES SAFETY AND SECURITY LEADERSHIP

#1

infrastructure provider of global safety and security solutions¹

20+

industries supplied by Dell Technologies safety and security solutions









45%

worldwide share in server and storage for safety and security¹

50

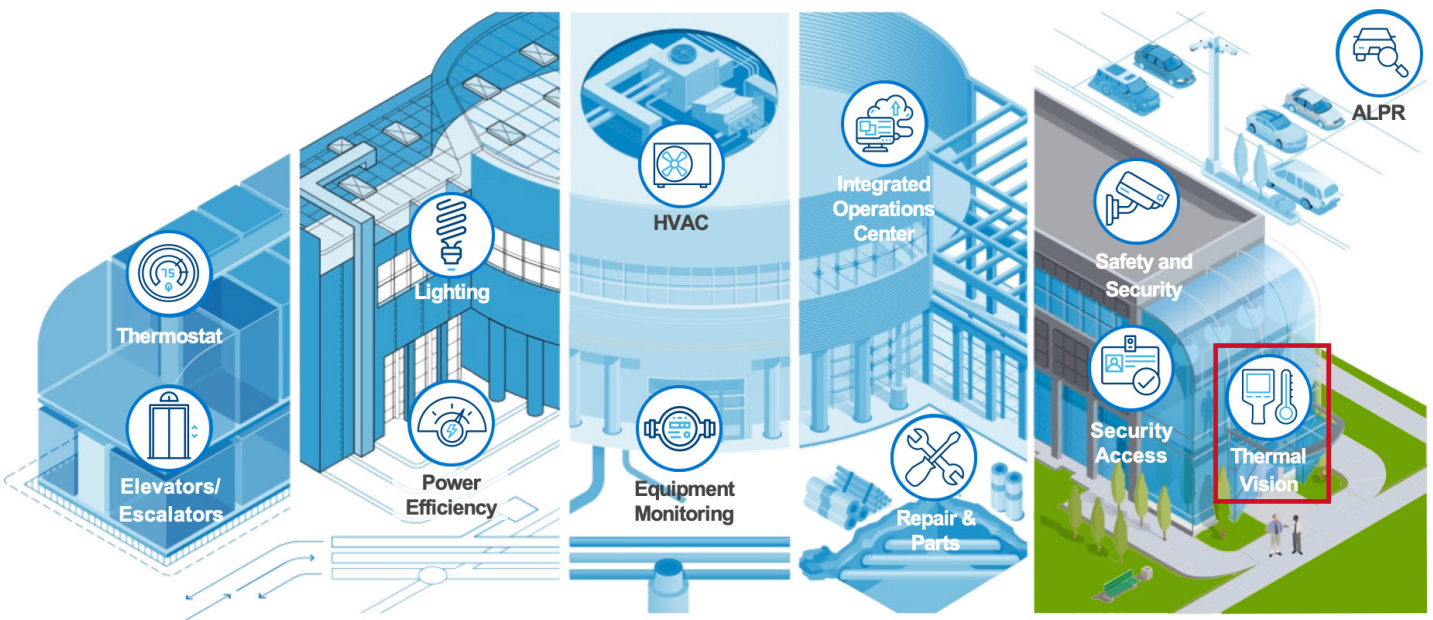
Solution Centers worldwide

INTELLISITE THERMAL VISION SOLUTIONS, BUILT ON DELL TECHNOLOGIES

 Thermal Cameras	MOBOTIX M16 Dual Lens, FLIR A400, and Omnisense Systems* (other Thermal Vision partner-validated options available)
 Analytics and Management Tools	IntelliSite, Deep Vision AI (other Thermal Vision partner-validated options available)
 Client Devices	Dell workstations, laptops, and monitors
 Peripherals	Carts, uninterruptible power supplies (UPS), camera mounts, networking, and associated services
 Converged Infrastructure (CI) / Hyperconverged Infrastructure (HCI)	Dell EMC CI with Virtualized Server Density Solution Dashboard, Dell EMC HCI with Integrated VMware vSAN All Flash / Hybrid Shared Storage Solution Dashboard
 Storage Options	Structured Storage: Dell EMC PowerStore, Dell EMC PowerVault Object Storage: Dell EMC ECS Object Storage Unstructured Storage: Dell EMC PowerScale Portfolio
 Safety and Security Appliances	VMware and Dell EMC bare-metal and virtualized options
 Analytics Infrastructure	Dell PowerEdge XR2, Dell PowerEdge C4140, Dell PowerEdge R740, Dell EMC High Performance Compute (HPC) Bundles, NVIDIA, Intel®

*FLIR A 400 (510[k] cleared), MOBOTIX M16 Dual Lens (510[k] pending)

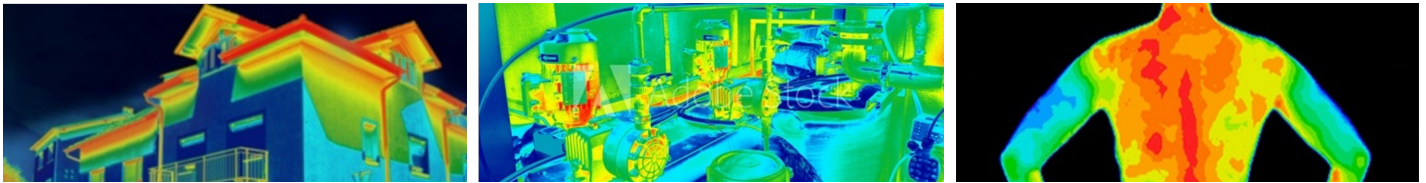
THERMAL VISION IS PART OF A SMART ENTERPRISE INFRASTRUCTURE





Dell Technologies: Your essential partner for accelerating digital transformation

IntelliSite Thermal Vision solutions, built on Dell Technologies, incorporate your customer requirements while creating new opportunities for innovation and changing business objectives.



✓ Dell Technologies is committed to responsible business practices and to high standards of ethical behavior, including the ethical use of data and compliance with applicable laws and regulations. This includes holding our partners to high standards of excellence as defined in governing laws, recognized international standards and conventions, and global best practices. Our partners also embrace Dell Technologies' commitment to integrity, accountability on high ethical and compliance standards, maintaining a culture that embraces diversity and inclusion as well as respecting cultural differences. [Read more.](#)

✓ In today's always-on, always-connected economy, businesses are under pressure to enhance their cybersecurity strategies and prove to their customers that data protection is critical to their customer-engagement strategies. As the world economy continues to digitize operations, supply chains, business transactions, and employee and customer services, cyberattacks are expected to continue. Dell Technologies provides end-to-end cybersecurity solutions to protect businesses from threats—enabling them to safely leverage ecosystems, maintain operational resilience, and build stakeholder confidence.

DELL TECHNOLOGIES CAPABILITIES

As the #1 global infrastructure provider for safety and security,¹ we combine industry-leading partner components with best-in-class computer vision technology into a seamlessly integrated ecosystem.

Our validation capabilities and lab-testing processes reduce business risk and help you accelerate your digital transformation.

Your solution is tailored and scalable to your exact needs, size, and scope—with enterprise and centralized configurations complemented with optional mobile and advanced mobile kits.

Driving safety and security transformation through innovation

To help ensure the safety and security of employees, customers and visitors to your organization's environment, we provide smart infrastructure and computer vision solutions from the edge to the core to the Cloud, aligned with our robust partner ecosystem.

Our solutions portfolio and computer vision expertise help reduce the risk, cost, and complexity of implementation with a comprehensive solution to fit your specific industry requirements. IntelliSite Thermal Vision Solutions built on Dell Technologies offer the scalability, efficiency, simplicity, and agility to fulfill your business needs while providing real-time access to your data for analysis and deep learning. Our advisory, design, build, integration, and lab validation services help deliver the right edge-to-core-to-cloud thermal vision system to meet your needs today and tomorrow.



Learn more
about our safety and
security solutions



Contact one of our
safety and security
experts.



Connect
with us.

1. IHS "Enterprise & IP Storage Used for Video Surveillance - 2019", April 2019