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NVIDIA.

TECHNOLOGY SHOWCASE

IRONYUN – VAIDIO VIDEO ANALYTICS APPLICATION SUITE

Industries
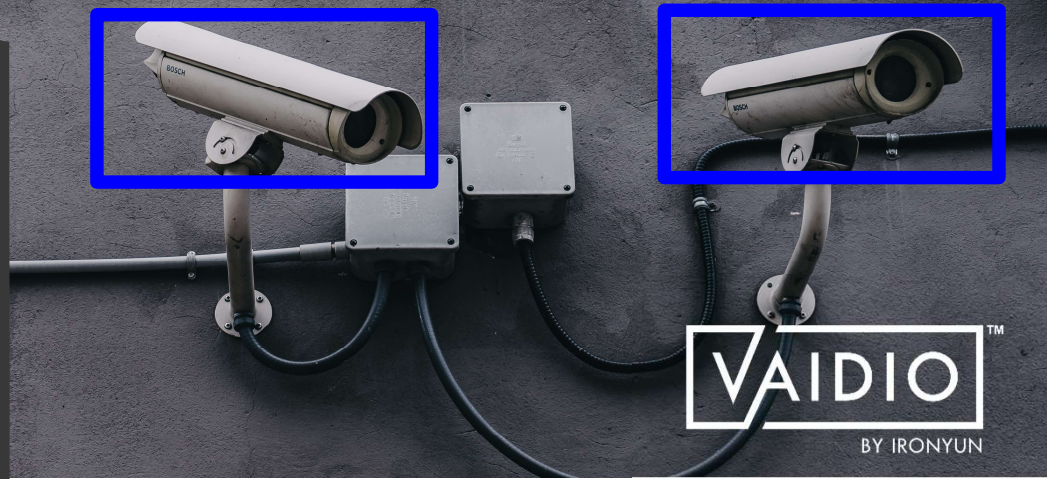
> Enterprise Security

> Retail

> Healthcare

> Transportation

> Education

Solution Capabilities

> Video search

> Intrusion detection

> Access control

> License plate recognition

Platform Features

> Easy to deploy and scale up, fully validated on standard NVIDIA Metropolis servers with well-documented system-sizing guides

> Modular; start with a few key applications and grow over time

> Optimized for performance and the lowest-cost overall solution

> Designed to save time and money while increasing productivity

> User-friendly, featuring a Google-like interface with pulldown selection for fast search results

> Highly compatible for integration with nearly all existing ONVIF IP-based cameras or VMS

ANALYTICS FOR A SAFER WORLD

Vaidio Edge Analytics gives you a faster, easier way to accelerate assessment, detection, investigation, and reaction to increase the efficiency and efficacy of security operations for a range of businesses. The application turns the video from new and existing networked video cameras into actionable intelligence, letting operators search and alert on specific objects, intrusion activities, license plates, and more.
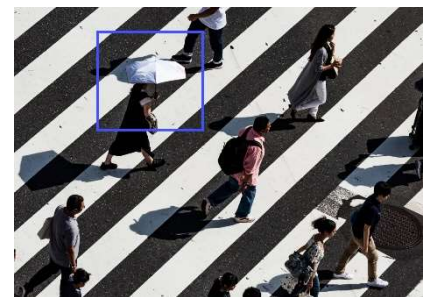
AI-Enabled Analytics for Nearly Any IP Camera at the Edge

Video Search

Security professionals often spend hours inspecting terabytes of video data in search of objects or persons of interest. Vaidio includes a Google-like video search that reduces video search time from hours to seconds.

Use cases:

• Crime investigation

• Location tracking
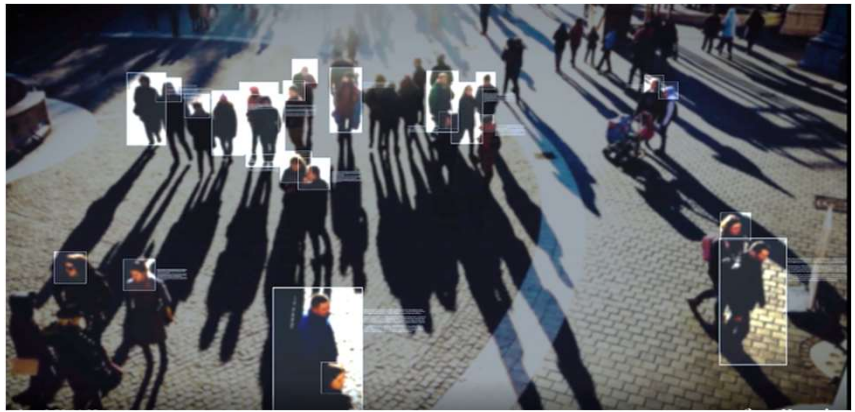
• Security monitoring

Intrusion Detection

Perimeter protection is one of the hardest things to manually monitor. Vaidio Intrusion Detection automates the monitoring tasks for high-risk sites to provide a high level of security and security personnel monitoring efficiency. The simple plug-and-play setup lets you deploy our AI Intrusion Detection in real-world applications.

Use cases:

• Real-time perimeter protection for restricted-access areas

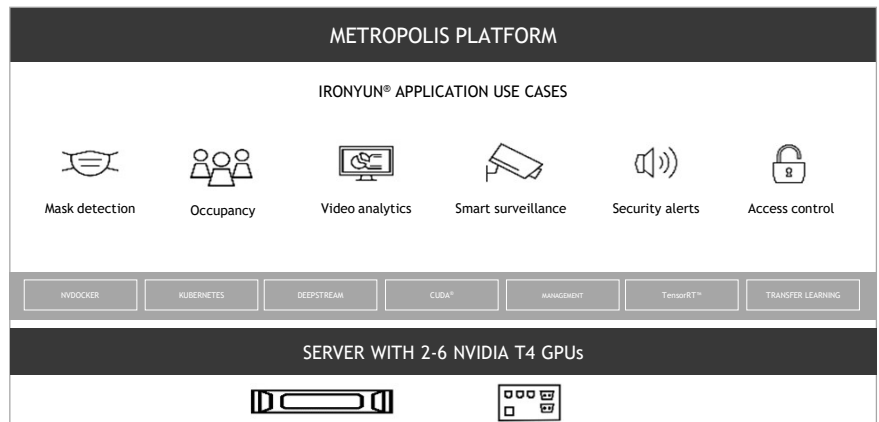• Reduction of false alarms by orders of magnitude

Easy to Deploy and Manage

> Deploy through Docker Containers and manage through Kubernetes and helm charts

> Cloud-native software

Vaidio on the Metropolis Platform: Video Analytics at Scale

Vaidio combines incredible accuracy and performance, flexible deployment, and low TCO to deliver real-time video analytics for a range of mission critical use cases. Vaidio is optimized on NVIDIA T4 GPUs using the Metropolis Application Framework. As a result, the Vaidio solution can scale to over 70 camera streams per server, reducing the total cost of ownership and simplifying system architecture and maintenance.

METROPOLIS PLATFORM						
IRONYUN® APPLICATION USE CASES						
Mask detection	Occupancy	Video analytics	Smart surveillance	Security alerts	Access control	
NVDOCKER	KUBERNETES	DEEPSTREAM	CUDA®	MANAGEMENT	TensorRT™	TRANSFER LEARNING
SERVER WITH 2-6 NVIDIA T4 GPUs						

LEARN MORE

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Learn more: www.ironyun.com