



LumiSearch Technology When Seconds Count

Most investigations begin with one critical piece of information. It might be a still image of a person of interest (POI) or a snapshot of a vehicle departing from a scene. Traditionally, those types of clues would send security teams down a time-consuming path of scrubbing through hours or days of video camera by camera, hoping to catch the same subject so the pieces could be put together. With growing camera counts and expanding facilities, that manual process quickly becomes overwhelming and time consuming.

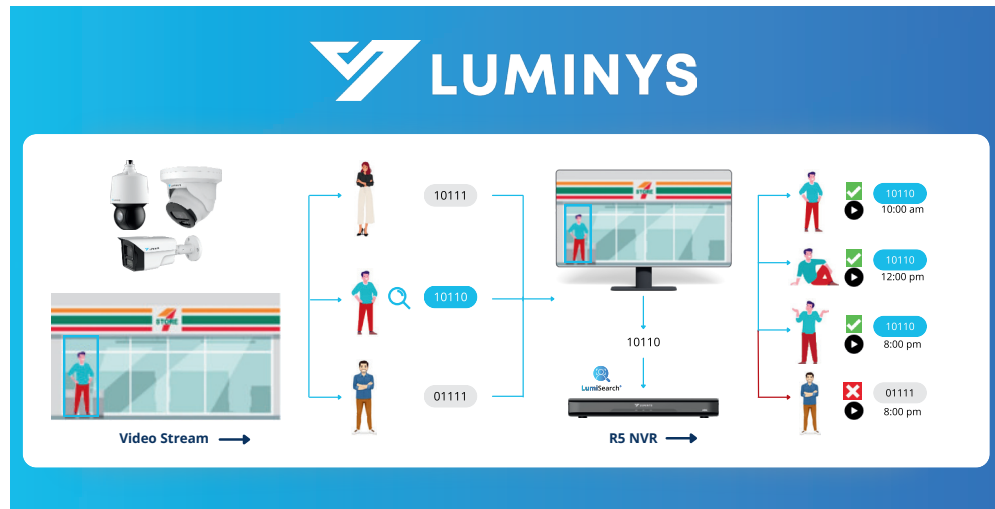
But what if you could retrace the steps of a person of interest as well as locate them quickly? Luminy's changes that equation with LumiSearch technology, an advanced reference-image search technology designed to dramatically reduce investigation time while improving confidence in results. Instead of manually scrubbing video, operators can let the system do the work in just seconds.

One Image. One Search. Network-Wide Results.

LumiSearch allows investigators to upload or select a single reference image of a person or a vehicle and search across multiple cameras on the same network, as long as those cameras and recorders are LumiSearch-enabled. The system analyzes key visual attributes from the reference image and compares them against recorded video streams across any seven-day period^[1], returning relevant matches in seconds. Plus, LumiSearch is designed with privacy in mind—it does not use facial recognition, does not require pre-registration, and collects no personally identifiable information.

For example, LumiSearch enables investigators to quickly retrace a suspect across a mall, locate a missing individual, or follow a vehicle's movement through a single, intuitive workflow.

Looking back, the historical context clearly illustrates the impact of this capability. In 1981 a six-year-old Adam Walsh was abducted from a Sears department store in Florida and investigators had no way to rapidly



analyze video across entrances, exits, or adjacent areas. The investigation relied heavily on eyewitness accounts and public outreach, costing valuable time during the most critical, early moments. If this case were examined using modern reference image search technology such as LumiSearch, investigators could begin with a single image. That image could be used to quickly identify points of entry and exit and track movement across multiple cameras on the same network. Instead of taking days, actionable leads could be surfaced in minutes, fundamentally changing how quickly investigators can respond when every second matters.

Built for Real-World Security Challenges

Security professionals today face increasing pressure to do more with fewer resources. Investigations must move faster, results must be defensible, and tools must be easy to use under stress. LumiSearch was built specifically for these realities.

Instead of relying on complex filters or metadata that may not exist, LumiSearch works directly from visual data. You can upload a photo, identify a target live or pre-recorded on the system as the starting point. From there, LumiSearch scans across all LumiSearch-enabled cameras on the network, identifying appearances of the

same person or vehicle—even as lighting conditions, angles, or backgrounds change.

The result is a streamlined investigative workflow that removes guesswork and accelerates decision-making.

Faster Investigations, Better Outcomes

Reducing investigation time directly impacts outcomes. The faster a subject is identified or a vehicle is located, the faster teams can respond, escalate, or close a case. For schools, this can mean quickly locating a student who left a safe area. For enterprise environments, it can help security teams trace theft or unauthorized access. For municipalities and public safety organizations, LumiSearch supports timely incident reconstruction and evidence gathering. By enabling network-wide searches from a single reference image, LumiSearch helps teams move from reactive to proactive, turning video data into actionable intelligence.

LumiSearch by Luminy's

[1] A LumiSearch can be conducted across a maximum of seven-day recorded duration. That duration can be within the entire recording.

From Hours to Minutes. Find What Matters in Moments.

Turn a single reference image into fast, network-wide search results across your video system.



LumiSearch



Powered by Luminy's Technologies

One of North America's most cost-competitive NDA-compliant portfolios.

Connect with Luminy's

to see how our solutions can elevate your business.

sales@luminycorp.com

