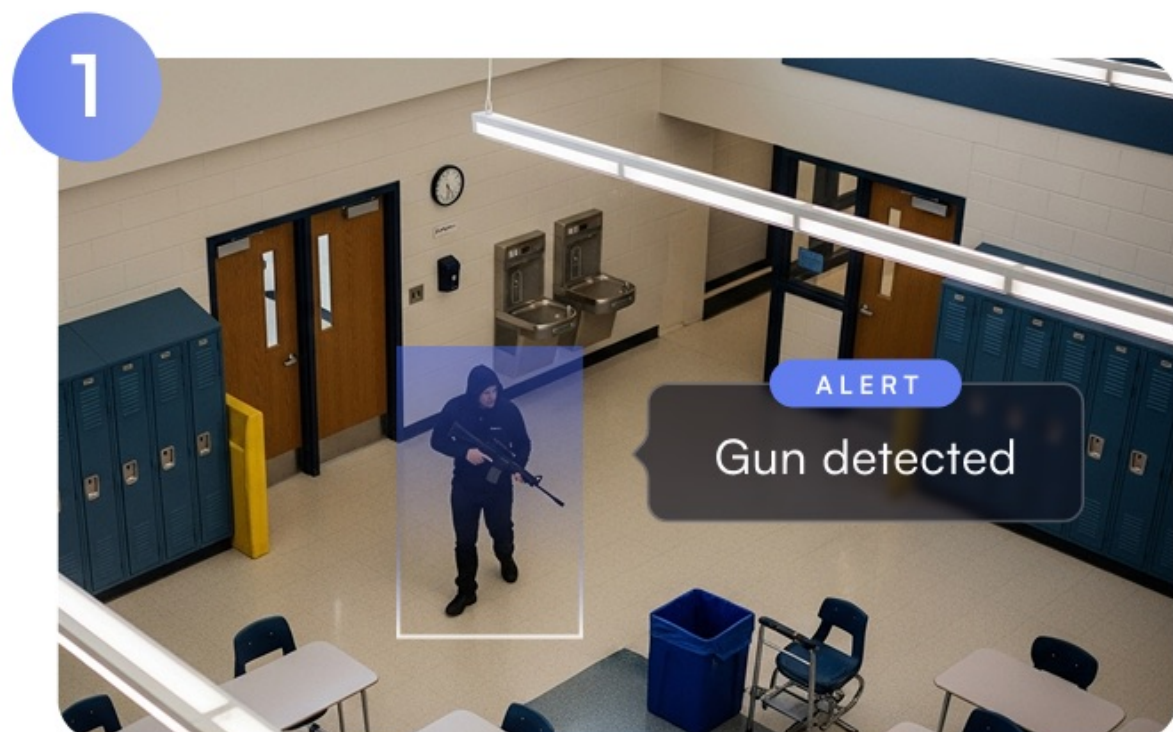


AI-powered gun detection and response system

Stop threats faster with AI-powered video security. Lumana transforms your existing cameras into proactive safety agents, identifying visible guns in seconds and delivering real-time alerts. Add optional Alarm Monitoring for live human verification and immediate emergency dispatch.

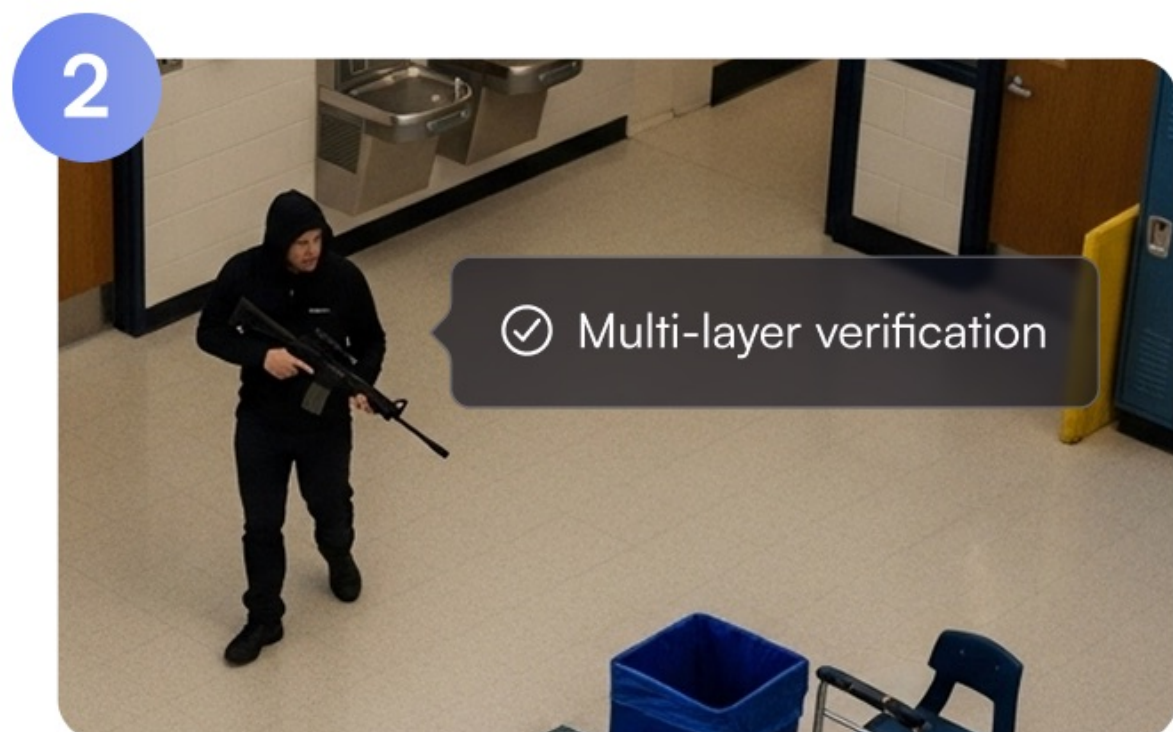


How it works



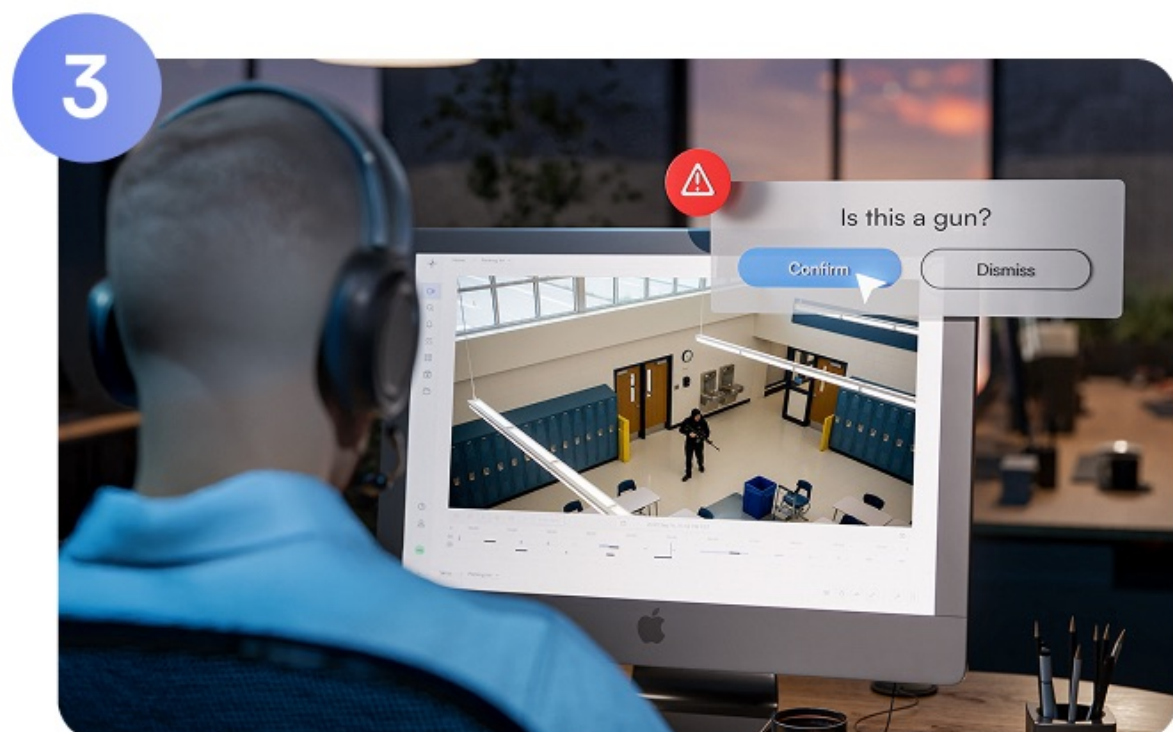
Identify weapons on any IP camera

- Standard IP cameras gain AI-powered gun detection, enabling rapid rollout and automated monitoring.
- Detect brandished or exposed firearms such as pistols and AR-style rifles.
- As low as 2 second detection-to-alert time for faster response when every second matters.



Reduce false alerts with multi-layer AI verification

- Multiple AI checks suppress misidentifications from lighting, movement, and look-alike objects to reduce false positives.
- Works reliably in crowded or complex scenes by only alerting when a weapon is clearly visible on camera.
- Operates continuously, so security teams get faster, higher-confidence alerts without constant manual review.



Respond faster with optional 24/7 Alarm Monitoring

- Live human verification confirms critical alerts for high-confidence decisions before escalation.
- Operators dispatch law enforcement or internal security immediately and coordinate per your SOPs.
- Hybrid AI and human verification blends automation speed with human judgment to reduce needless dispatch and improve outcomes.

Frequently asked questions (FAQs)

Q: How quickly can the system detect and alert on a gun?

A: Detection is followed by multiple verification layers to ensure accuracy. Our typical delay between initial view in camera and alert delivery is as low as 2 seconds, depending on system load and configuration.

Q: What types of weapons do you detect?

A: We focus on weapons most often involved in mass shootings, such as pistols and AR-style rifles. The AI model is constantly being improved and expanded to cover additional weapon classes.

Q: Can human verification be added to reduce false dispatches?

A: Yes. With an additional license, organizations can enable a human-in-the-loop workflow. Human operators can validate AI alerts and directly dispatch police or emergency contacts.

Q: Does the system detect concealed weapons?

A: No. Like other visual-AI systems, a weapon must be visible within the camera frame for detection to occur.

Q: What is the detection range of the system? (Assume 100 PPF)

A: Detection range is not fixed but depends on weapon visibility and camera resolution. Our model requires sufficient pixel density to ensure accurate detection. In practice, if more than 50% of the weapon is visible for more than 2 seconds and can be identified by the naked eye, the system should detect it. For example, with a 5-megapixel camera with 90 degree FOV, a visible handgun can typically be identified at a distance of about 13 feet, depending on lighting conditions.

Q: Is there a limit to the number of threat alerts that can be verified with alarm monitoring?

A: Yes. Lumana's alarm monitoring for threat detection is designed to verify weapon alerts that represent a real and actionable threat to your organization. It is not intended for environments where weapons are routinely present (such as holstered weapons or items on display). Each threat detection alarm monitoring subscription includes up to 10 verified threat alerts per month.