IDENTIFY

The enhanced ability to accurately identify and distinguish between people and objects is a game-changer in enabling security teams to determine whether an entity is a **threat**, an **authorized presence** or an **unknown risk**. It drives **swift informed decision-making and rapid response** to security events.

FLIR Security Advantage: Multiple imagers and on-board video analytics represent the latest evolution in FLIR's security portfolio. By bringing together the best of video imaging, sensors, and artificial intelligence FLIR is enhancing **real-time insights** and **threat detection** in harsh environments.

Technology

Multi-Spectral cameras which integrate the best in both thermal and 4K visible imaging technologies are expanding coverage and reducing false alarms. Even in limited lighting conditions and adverse weather, our technologies capture and identify events in real-time disseminating verified alerts and actionable insights and collecting detailed information for forensic review.

Analytics

Artificial intelligence (AI) and machine learning in video analytics is transforming intrusion detection. Highly-sensitive motion-based analytics, capable of detecting microscale movement at impressive ranges, are yielding even greater benefits for customers, improving detection precision, classification accuracy, geolocation of targets and resilience against false alarms.

Deep Neural Network (DNN)

FLIR's Deep Neural Network (DNN) based Edge AI video analytics classify human and vehicular targets that pose a risk, at the same time ignoring innocuous targets, such as wandering animals or moving foliage, that might otherwise trigger nuisance alarms. The result is more reliable detection with fewer false alarms even in total darkness.

Loitering detection

Unlike motion-based only analytics, FLIR Analytics models also have the capability to support loitering detection functionalities. This is the ability to detect and classify objects in frame, whether they are moving or not, offering a unique advantage over background subtraction-based analytics.