

Nextiva

Video Analytics

Enhancing Security and Operational Effectiveness

Nextiva™ Analytics help organisations make sense of vast amounts of security video and data, generating actionable intelligence for better decisions and more effective action.

This powerful suite of analytic applications automatically pinpoints potential breaches and significant events and sends video alerts to the appropriate people and agencies. Nextiva Analytics enhance situational awareness and transform threat detection from a manual, resource-intensive operation to an efficient, accurate, and automated process. With Nextiva Analytics, security staff can focus on deterring and managing threats, rather than watching banks of video monitors trying to detect them.

Full integration with the Nextiva Enterprise video management platform virtually eliminates the operational issues associated with standalone analytic products. And Nextiva analytics-embedded edge devices analyse video at the point of capture, delivering timely intelligence with lower data transport and storage requirements, making analytics practical and cost effective for virtually every camera in the enterprise.

Plus, Nextiva Video Analytics are from Verint®, the leader in networked video solutions worldwide.



Nextiva Video Analytics Transform Video into Value

A Powerful Suite of Integrated Analytic Applications

Nextiva Analytics feature:

Rules-based object detection, classification, and tracking for detecting suspicious activity in areas of interest and across tangible or virtual perimeters

Real-world understanding that intelligently applies scene- and object-specific analytic rules, factors in weather and lighting conditions, and uses ground vs. image plane analysis to determine an object's actual spatial location within a scene

Real-time, contextual scene viewing that lets operators view multiple camera feeds as a single scene and automatically applies scene-specific PTZ policies using camera settings

Forensic analysis for locating events and patterns in stored video, expediting investigations and making them more productive

Analytics At the Edge for Superior Accuracy, Scalability, and Cost Effectiveness

Nextiva analytics-embedded edge devices apply sophisticated analytics to high-quality video in real time, making your cameras more intelligent, your analyses more accurate, and your alerts more timely. By eliminating the need to send all data to centralised servers for analysis, Nextiva analytics-embedded encoders and IP cameras reduce your data transport and storage requirements. Nextiva analytics "at the edge" can also dramatically increase the number of camera inputs per server, enabling you to expand your analytic capabilities with less equipment and at a lower cost.

Nextiva Integration for Intelligent Alert Distribution and Highly Effective Operation

Nextiva Analytics are fully integrated with all Nextiva vertical market and video management solutions, virtually eliminating the deployment issues and operational costs associated with standalone analytic solutions. Video analytic rules can be easily created and rapidly applied within the video management environment. Alerts can be intelligently distributed practically anywhere, according to the security policies your organisation has in place. And operators and managers can instantly and easily view video alerts from Web browsers, network-connected PCs, and video walls — just as they would any other video.



Nextiva automatically identifies and classifies objects within a scene, like the man and the car in this video still.



Nextiva can automatically "see" when an exit is blocked.



1. Integrated Analytic Rules Definition

Security administrators use the intuitive Nextiva Analytics Rule Builder to create video analysis rules in line with your organisation's security policies.



2. Seamless Interaction with All Nextiva Solutions

The Nextiva IntelliView Analytics Processor processes these rules and pushes them to your Nextiva Intelligent Edge Devices.



3. Analytics At the Edge

Nextiva analytics-embedded encoders and IP cameras capture and analyse video according to the rules your organisation has defined, and send video with alerts to the Nextiva IntelliView Analytics Processor.

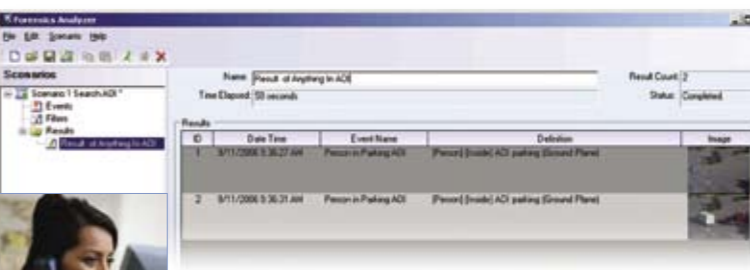
4. Intelligent Alarm Distribution Anywhere Within the Video Management Environment

Nextiva automatically sends this video and data to network operations centres, emergency communications systems, security personnel, law enforcement agencies - virtually anywhere that your security policies direct.



5. Immediately View Alerts via a Unified, Rich User Interface

Using Nextiva Enterprise Review, authorised personnel can view alerts, video, and data from a networked PC or an Internet-connected PC with Web browser — just as they would view any other video.



6. Faster, More Productive Investigations

With the Nextiva Forensic Analyser, authorised staff can rapidly pinpoint past events, unusual activity, and significant behavioural patterns in stored video and data.



Timely Intelligence for Mission-Critical Decisions

Nextiva access, direction, and behavioural analytics rapidly pinpoint suspicious behaviours and potentially dangerous situations: perimeter breaches, objects taken or left behind, people or vehicles loitering in sensitive areas, etc.

Tangible and Virtual Perimeter Protection enable single and double tripwires to be drawn and the threat level to be determined.

Content-Based Viewing and Analysis apply object- and scene-specific rules (or combinations of rules) to camera views.

Automatic Object Acquisition identifies suspicious activity.

Automatic View Recognition applies specific PTZ settings to specific camera views.

Virtual PTZ Views zoom in on specific objects without additional cameras.

Forensic Analyser pinpoints significant events and patterns in stored video.

Integrated Analytics Leverage Nextiva Video Management Capabilities

Nextiva Enterprise HealthCheck™ system-wide monitoring and diagnostics

Nextiva Enterprise IntelliFlow™ rules-based video management engine

Nextiva Enterprise IntelliStream™ virtual matrix video distribution

Nextiva Enterprise Review rich video viewing

Nextiva Enterprise Map interactive visual display of cameras and locations

Nextiva Enterprise Investigation Management for collecting event-related video, audio, and data in a searchable database

Fully integrated with the Nextiva portfolio of video solutions, Nextiva Analytics leverage intelligent, policy-based event management and video distribution capabilities.

The Nextiva Analytics Packages

Features and Capabilities	Nextiva Analytics Silver	Nextiva Analytics Gold	Nextiva Analytics Platinum
Complete integration with all Nextiva solutions and capabilities	■	■	■
Edge device based for lower infrastructure and operational costs	■	■	■
Superior analytic accuracy in: <ul style="list-style-type: none"> • Virtually all weather environments and day/night applications • Scene change detection (including lights on/lights off) 	■	■	■
Real-world understanding and accurate object detection within areas of interest using ground vs. image plane analysis	■	■	■
User-defined alert criteria via definition of object minimum and maximum sizes and allowable percentage of change in size	■	■	■
Moving object analysis: classification of moving objects by type (people, vehicles, etc.) and object speed analysis	■	■	■
Area of interest analysis , including: <ul style="list-style-type: none"> • Moving objects that enter, exit, appear, or disappear • Moving objects that are loitering • Non-moving objects that are removed or left behind 	■	■	■
Virtual perimeter analysis to detect moving objects crossing: <ul style="list-style-type: none"> • A single virtual line in the field of view (Single Tripwire) • Multiple virtual lines noting specific orders and directions (Double Tripwire) 		■	■
Context-based viewing and analysis with multiple, view-specific rules for PTZ camera pre-sets (Automatic View Recognition)		■	■
Multiple rule combinations for single views for greater flexibility in policy creation and analysis of complex scenes	■	■	■
Nextiva Forensic Analyser to rapidly detect patterns in stored video and retroactive rule creation and analysis	■	■	■



Which Nextiva Analytics Package is For You?

Nextiva Analytics Silver is designed for organisations that seek sophisticated analytics capabilities, including the ability to detect and distinguish between people and other objects in specific areas, without the need for complex scene analysis.

Nextiva Analytics Gold is designed for organisations that require all of the capabilities of Nextiva Analytics Silver, plus the ability to detect perimeter breaches and other unusual activity through the use of virtual tripwires and different behavioural rules for different types of objects, such as people, cars, and trucks.

Nextiva Analytics Platinum is designed for highly security-sensitive organisations that require comprehensive behavioural monitoring of all objects in and around a location, including the chain of events preceding and following a breach.

The Nextiva Portfolio of Video Solutions

Nextiva is an integrated portfolio of networked video solutions for enhancing security and operational effectiveness.

Nextiva enterprise and vertical market solutions address the needs of a wide range of industries, from banking and critical infrastructure to retail and mass transit.

Nextiva wireline and wireless edge devices and embedded DVRs capture images from virtually any stationary or mobile location.

Nextiva's advanced analytics rapidly detect events in vast amounts of video and enterprise data.

And Nextiva's robust video management software, intelligent video distribution, and system-wide monitoring and diagnostics simplify management of large, geographically-distributed operations.

Open, standards based, and IT friendly, Nextiva solutions provide superior system availability, interoperability, and value.

Verint. Powering Actionable Intelligence.®

Verint Systems Inc. (NASDAQ: VRNT) is a leading global provider of analytic software-based solutions for security and business intelligence. Verint solutions help organisations make sense of the vast voice, video, and data available to them, transforming this information into *actionable intelligence* for better decisions and highly effective performance.

Since 1994, Verint has been committed to developing innovative solutions that help global organisations achieve their most important objectives. Today, organisations in over 50 countries use Verint solutions to enhance security, boost operational efficiency, and fuel profitability.

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