Video**Sphere** ANALYTICS

Extract the visual intelligence you need quickly with **VideoSphere™ Analytics** from March Networks®. These enhanced surveillance tools detect and track a wide range of actions and events captured in live video. They alert organizations to unusual incidents and potential threats, and allow advanced traffic monitoring and crowd behavior analysis.

Video analytics, also referred to as automated video content analysis, enables organizations to enhance security in both public and private spaces by detecting perimeter or area breaches, unattended objects, and atypical activity more rapidly and consistently. The software will detect camera tampering in real time and also promotes more proactive system maintenance by alerting staff to camera obstructions or changes in camera positioning that may otherwise go unnoticed. Live or archived video can be used to highlight customer service issues (e.g. unacceptable wait times), or the effectiveness of merchandizing based on customer traffic patterns. Incidents such as blocked aisles or fire exits can also be detected and addressed quickly to meet regulatory compliance.

FLEXIBLE ARCHITECTURE

VideoSphere Analytics are installed on March Networks standard resolution IP cameras, encoders or NVRs and operate in tandem with our open-platform Video Management System (VMS) software. This flexibility allows organizations to deploy video content analysis in all-IP or existing analog video environments. Real-time alerts appear in VideoSphere SiteManager software and can be sent via email automatically to authorized users.

With March Networks video analytics, you can choose the applications that are right for your organization today and apply others as your requirements grow.

VideoSphere Analytic	Initiates an alarm or action when…
Perimeter Protection	a person or object crosses a defined line or boundary within a field of view
Loitering Detection	a person remains in a camera scene for longer than a set time
Facial Detection	a clear facial image is detected within a desired camera scene
Queue Length Monitoring	a line of people within a scene extends further than a set length
Occupancy Detection	the number of people in a scene equals or exceeds a set figure
Area Obstruction Detection	an area within a scene is blocked for longer than a set time
Intelligent Scene Verification	a camera field of view is altered or obstructed beyond set thresholds
People Counting	people enter and/or exit a targeted area within a camera scene
Camera Tampering Alarm	changes in a camera field of view exceed a set tolerance level
Camera Alignment Detection	the entire camera moves from its desired field of view
Fall Detection	a person falls to the ground within a camera scene
Traffic Flow Monitoring	more than a defined number of people enter a scene within a set time
Panic Alarm	multiple people move rapidly through a camera scene
Left Object Detection	an object of defined size remains in a camera scene for longer than a set time
Speed Monitoring	a person or vehicle moves through camera scene faster than a set speed
Wrong Way Detection	a person or vehicle moves through a scene in an invalid direction
PTZ Auto Tracking	a moving person/vehicle is detected, enabling a VideoSphere PTZ camera to then track the person/vehicle and record video automatically

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VideoSphere Intelligent Video Analytics

Video Analytics from March Networks use automated intelligence to enhance a range of security and operational activities for commercial, enterprise and government organizations.

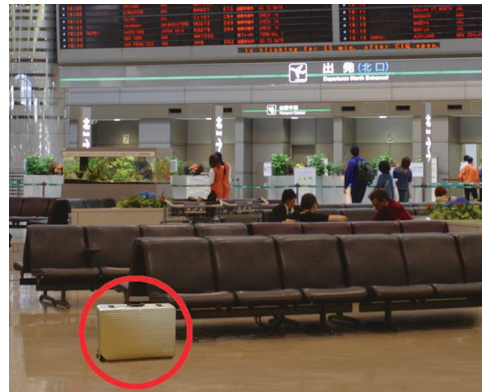| Financial Institutions	Transportation Authorities	Retail Businesses	Commercial-Industrial and Government Sites
• Access security • Teller queue length monitoring • ATM monitoring • Facial detection • Restricted area monitoring • Suspicious behavior warning • Camera system checks	• Traffic analysis and counting • Abandoned vehicle warning • Left object detection • Occupancy monitoring • Infrastructure security • Wrong way alerting • Vandalism monitoring	• Theft prevention • Checkout queue length statistics • Store safety monitoring • People counting • Unauthorized access monitoring • Parking lot security • Slip and fall detection	• Perimeter security • Crowd management • Vandalism and theft monitoring • Wrong way alerting • Left baggage warning • Unauthorized access monitoring • Camera tampering detection

Facial Detection

Left Baggage Detection

Perimeter Protection

Queue Length Monitoring

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