



DIGIFUSION®

AI Video Management



Investigative Video Analytics

Realtime Reveal

DigiFusion's cutting-edge video management system captures the intricacies of motion, distilling the essence of each scene into a rich tapestry of metadata, enabling effortless retrieval of relevant footage with just a few keystrokes, a testament to its unparalleled versatility and user-centric design.

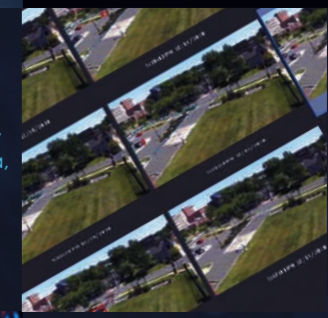
Live Video Analytics

DigiFusion's video management system analyses live footage, extracting a stream of metadata that precisely captures the movement and attributes of objects within the scene



Tailored Retrieval

Users can easily retrieve relevant video footage by specifying detailed criteria, such as motion in designated areas, object crossing of a line, colour or size



Saved Queries

Search queries can be saved for later use, enabling efficient monitoring and analysis across multiple cameras



Instant Thumbnails

The system quickly displays thumbnails of the most pertinent video episodes, allowing users to rapidly identify and access the desired footage

Investigative Video Analytics

Smart Face and Number Plate Search

DigiFusion's video analytics platform can detect and recognise human faces as well as vehicle registration plates. Users can quickly compare a person's photograph or a vehicle's number plate, in full or partial, against recorded video footage. The system also supports searches across multiple connected cameras.



Cross-Reference Searches

Enables users to quickly cross-reference a person's photograph or a vehicle's number plate against the video archives

Face Recognition

Detects and recognises human faces appearing in video footage with high accuracy

Vehicle Plate Recognition

Recognises vehicle registration plates, including partial plate numbers



Unified Camera Integration

Integrates seamlessly with multiple camera systems, allowing for unified searches across an entire video network

Targeted Retrieval

Supports searching and retrieving relevant video clips based on face or plate matches

Standard Search Options

DigiFusion provides straightforward yet powerful functions to quickly locate relevant recorded events.



Search by alarm events

Easily find footage triggered by security alerts or other notable occurrences

Search by time intervals

Perform granular searches within specific time periods (time slicing)

Search by bookmarks

Retrieve video clips that have been manually bookmarked for later review

Offline Analytics

DigiFusion allows you to import any video footage and analyse it for advanced search capabilities. The following functions can be applied to the imported videos.

Realtime Reveal



Number Plate Search



Face Search





Live Video Mode

Interactive 3D Map

The integrated 3D map and video provide a powerful, intuitive means of comprehending the surveillance coverage and situational context across the monitored area.

Comprehensive Spatial Awareness

Interactive 3D map overlays the locations of all installed cameras onto a detailed site plan. Users can instantly identify the precise placement of any camera and understand its field of view



At-a-glance Monitoring

The cameras on the map are colour-coded to indicate their current status in enabling responsive actions

Immersion mode

Projects a semi-transparent video feed directly onto the map. This allows visualising both the camera locations and real-time activities, making it easy to track movements in relation to physical positions



Live Video Mode

Tag & Track



Tag & Track Lite

- Cameras are integrated with a comprehensive site map
- Operators can select a moving object to track
- If the object leaves one camera's view, the system predicts where it will appear next
- The "destination" camera is highlighted on the map layout
- The Tag & Track Lite feature works across Immersion and Archive modes as well

Tag & Track Lite Pro

- Fixed cameras provide the "big picture" overview of the entire site
- PTZ (pan-tilt-zoom) cameras capture detailed imagery of moving objects within the site
- PTZ cameras can automatically track objects as they move across the fixed camera coverage
- Recordings from both fixed and PTZ cameras are valuable for event investigation

Remote Access

The system connects securely using the HTTPS protocol. It supports multiple video codecs including H.264, H.265, and MJPEG, and can handle multiple video streams simultaneously. Users have the ability to configure different camera layout views to:



- Configure various camera layouts
- Search recorded video by faces, plate numbers, events, criteria (MomentQuest) and time intervals (time slicing)
- View alarm events
- View motion heat maps
- Work with bookmarks
- Control PTZ cameras
- Apply digital zoom
- Export still frames and videos
- View camera and video archive statistics

Mobile Client

Our mobile app allows users to:

View live and recorded video



Quickly search for events



Control PTZ (pan-tilt-zoom) cameras



Work with fisheye cameras





Skeleton Analysis

Separate the silhouette into distinct body parts



Identify the positions of the body parts to detect the pose



Can be used in law enforcement facilities, schools, airports, banks, commercial spaces, or office buildings



Enhance security by detecting suspicious, anomalous, or deviant behaviour

AI-Powered Video Management

AI-Powered Video Management

Integration with Physical Security Systems

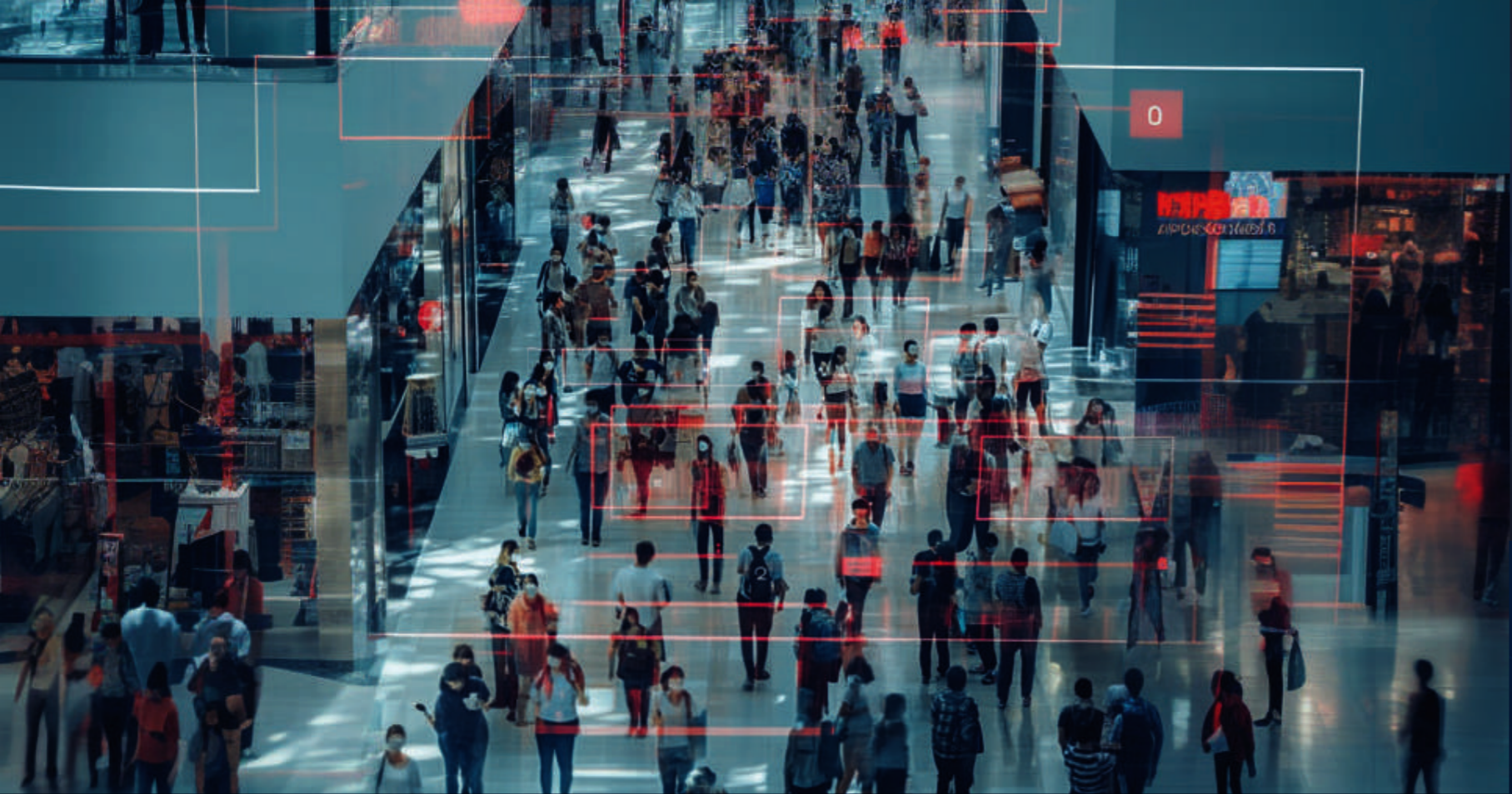


- Integrates physical security systems from various vendors
- Utilises a universal OPC Data Access Wrapper interface
- Integrates with access control systems, fire and security alarms, and perimeter intrusion detection
- Automatically adds and reads settings from connected devices
- Links camera videos to events from integrated systems
- Allows configuration of automatic interaction scenarios between systems
- Provides an interactive map and control panel to monitor and control security devices
- Helps quickly locate alarm events, view associated videos, and respond effectively

Similarity Search

- Offers a revolutionary similarity search feature
- Allows efficient identification of individuals based on appearance similarity
- Extracts human appearance characteristics and stores them in a database
- Uses advanced video management software to locate similar individuals across multi-camera footage
- Provides seamless integration and enhanced investigation capabilities





Advanced On-Premises AI Computing



On-Premise
Provides local processing and storage capabilities



Independent of Brands
Fully integrates with a wide range of CCTV cameras



AI-based Applications
Supports features like client classification and identity management, alert/alarm management, over-crowd management, objects management, and more

Ease of use

- Compatible with the existing DigiFusion Video Management System
- Easy configuration, quick system start-up





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