

Video analytics software

BriefCam

Turn video into insights



For language support and technical specifications, see page 14

Instant insights, immediate impact

BriefCam is a video analytics platform that transforms video footage into searchable, actionable and quantifiable insights, enabling you to make faster data-driven decisions.

As a standalone product, or together with XProtect video management software, BriefCam lets you review hours of video in minutes. You can respond immediately to critical situations — and quantitatively analyze your video footage for actionable insights into how to enhance your security and operations.



Speed up investigations

Review to accelerate your investigations. Review hours of video in minutes and quickly find objects of interest.



Respond immediately

Respond to enhance your situational awareness with advanced, rule-based alerts, enabling you to make better real-time decisions.



Turn insights into action

Research to optimize your operations with video analytics displaying trends and patterns in intelligent dashbboard.

Review

Accelerate investigations

Using BriefCam's Review module, users can pinpoint objects and events of interest to advance investigations and powerfully accelerate time to target.

The module supports effective case management, so investigators can organize video assets, bookmark objects of interest, summarize case findings, and export reports, while dynamically collaborating on cases with other users.

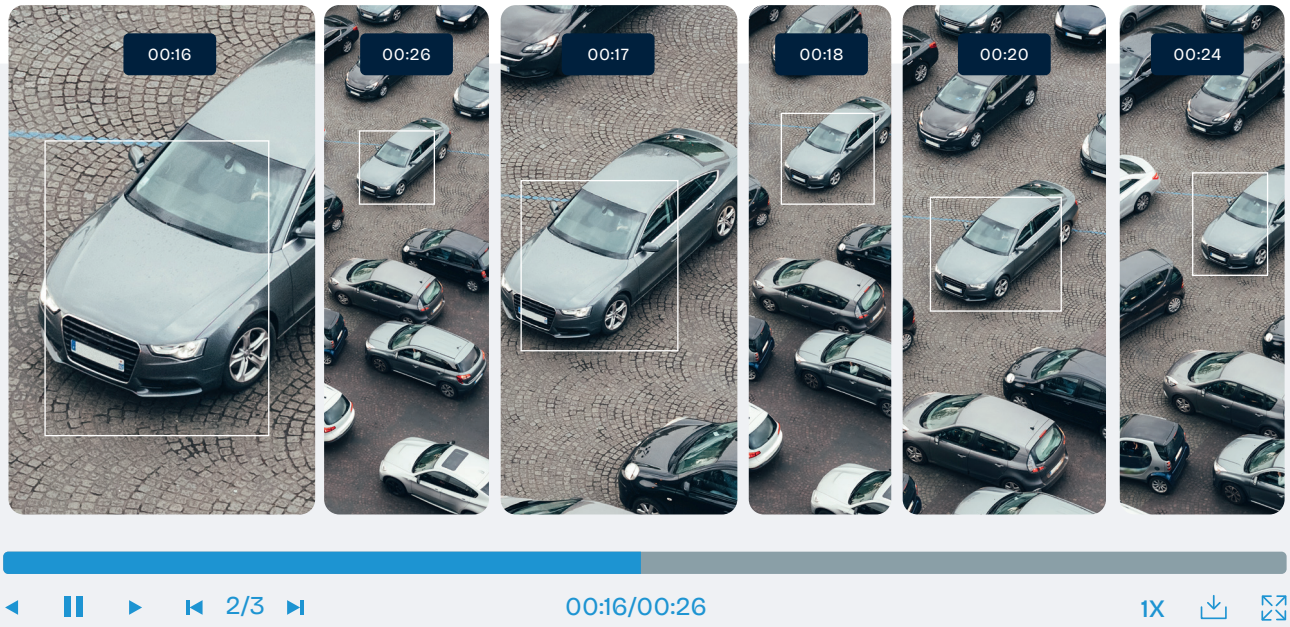
With Review, operators can review hours of video in minutes and refine search results through filter tolerance as well as density, speed, direction, and sort controls.

Conduct cross-camera search and filtering:

Simultaneously search across multiple cameras based on an ever-expanding set of object classes and attributes—including people, vehicles, bags, and more.

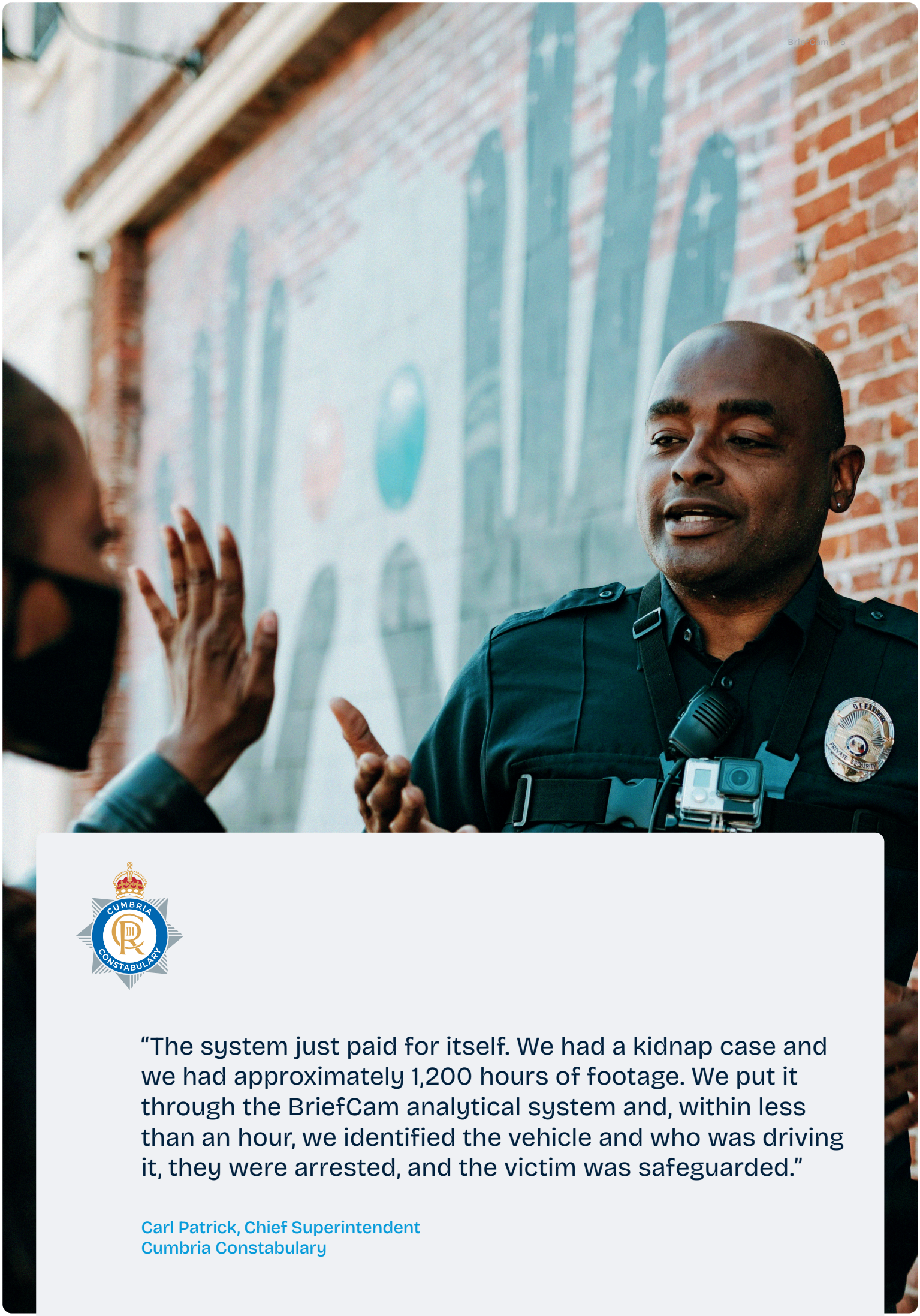
Use patented VIDEO SYNOPSIS technology:

Condense hours of footage into shorter segments by simultaneously presenting objects and events that occurred at different times while preserving the original context.



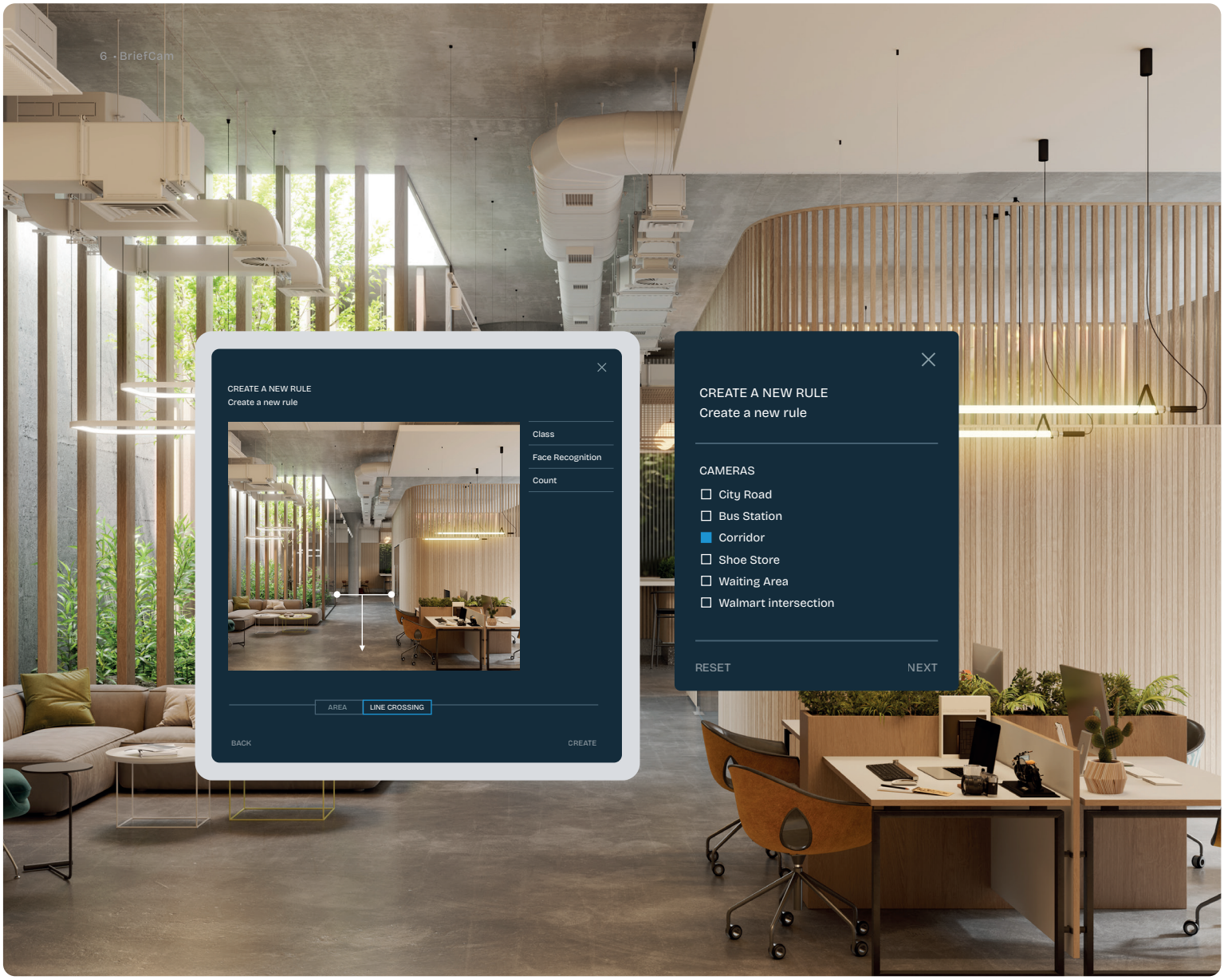
VIDEO SYNOPSIS®

The patented BriefCam VIDEO SYNOPSIS® solution, simultaneously presents objects that have appeared at different times within the video, resulting in a dramatically shorter video segment that fully preserves the viewer's ability to analyze the scene.



“The system just paid for itself. We had a kidnap case and we had approximately 1,200 hours of footage. We put it through the BriefCam analytical system and, within less than an hour, we identified the vehicle and who was driving it, they were arrested, and the victim was safeguarded.”

Carl Patrick, Chief Superintendent
Cumbria Constabulary



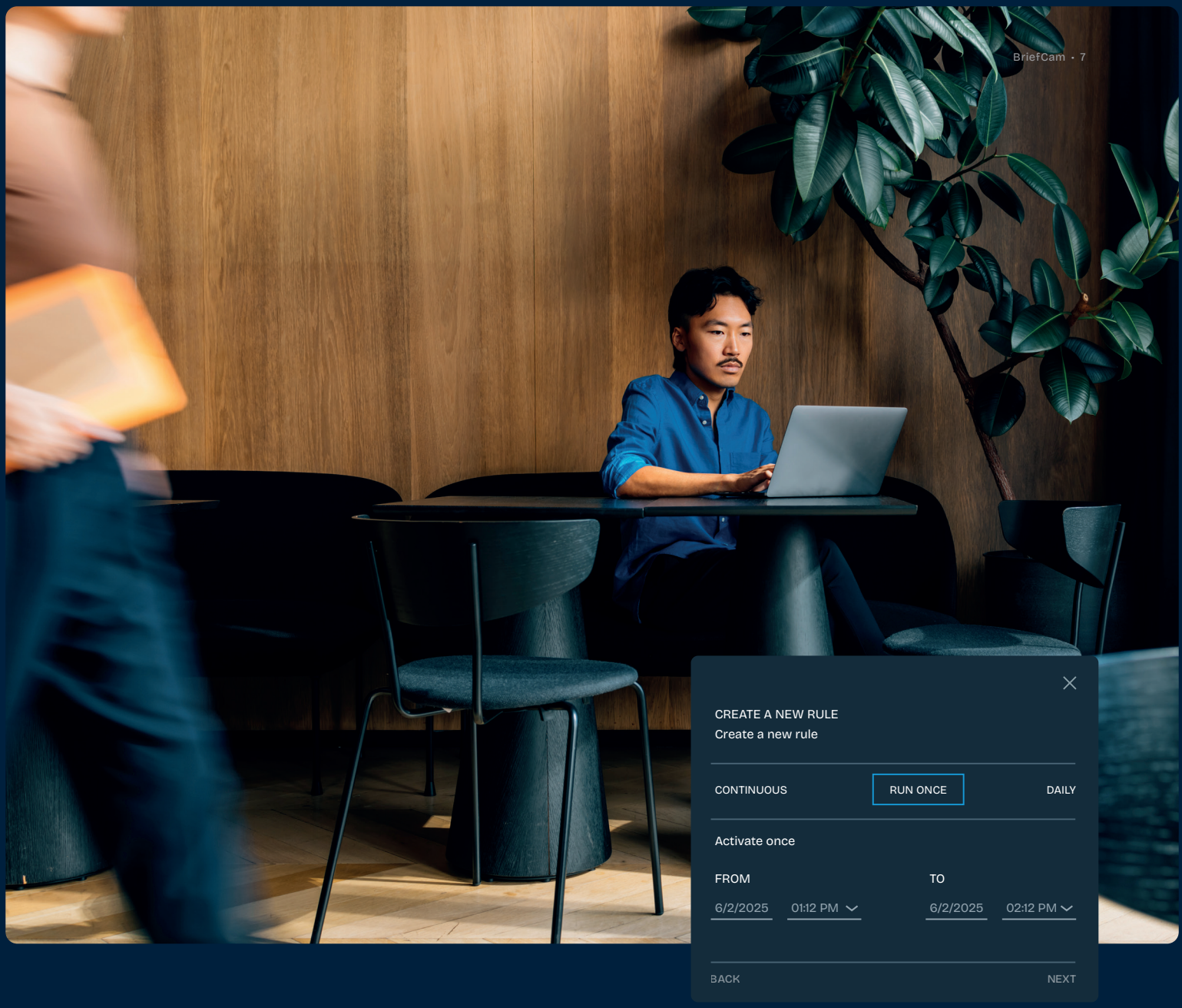
Respond

Attain situational awareness

With BriefCam Respond you can trigger real-time alerts based on complex object classification and recognition filter combinations to increase situational awareness and deliver critical, time-sensitive intelligence.

Respond empowers you to react to events as they unfold, from proactively protecting people and property to driving better visitor or customer engagement.

BriefCam helps security teams respond faster and make smarter decisions in real time. By configuring alert rules, managing face and license plate watchlists, and alert notifications for messaging services and VMS alarm areas, it strikes the right balance between sensitivity, accuracy and efficiency. BriefCam also integrates with XProtect and a wide range of other systems — from Genetec Security Center to Axis ACS, Lenel OnGuard, Hanwha Wisenet WAVE, IndigoVision Control Center, Pelco VideoXpert and more.



Trigger real-time alerts based on intelligent filters:

Configure alerting rules using advanced object classifications, behavior patterns and recognition filters—such as face matching, license plate recognition, line crossing and object detection—to identify critical activity as it happens.

Balance sensitivity with accuracy and efficiency:

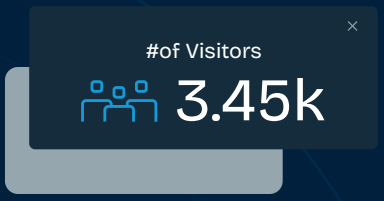
Fine-tune alert settings to minimize false positives while ensuring relevant incidents are never missed.

Respond supports watchlist management for face and license plate recognition, enabling high-priority alerts for persons or vehicles of interest.

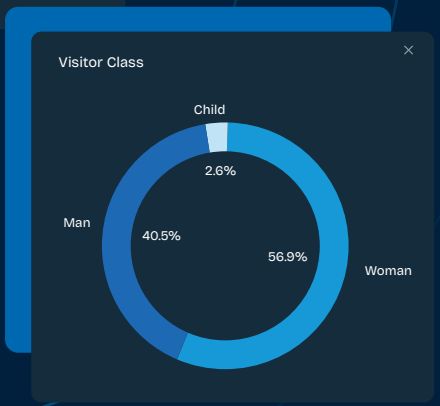
Drive better outcomes through proactive awareness:

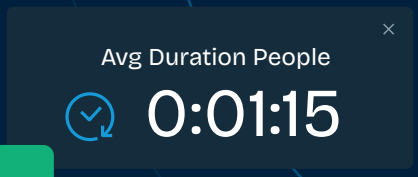
Stay ahead of threats and opportunities in real time so you can proactively enhance response for whatever your organization needs, from perimeter protection and identifying unauthorized access to improving the visitor experience and beyond.


Visitors Count
# of People
1.5k
1k
500
0
1.11k
1.3k
1.05k
1:00 PM
2:00 PM
3:00 PM


#of Visitors
3.45k


Area Visitor Count
#of People
1.5k
1k
500
0
1.03k
231
263
856
Bowls
Entrance
Plates
Towels
Cups


Visitor Class
Child
2.6%
Man
40.5%
56.9%
Woman


Avg Duration People
0:01:15


Max Visitors/Hour
1.3k



Research

Derive operational & business intelligence

Uncover patterns, drive strategic decision-making, and optimize operational and business practices by aggregating video data in a fully-integrated, highly customizable business intelligence platform.

BriefCam Research visualizes object movement, demographic segmentations, behavior trending, hotspots, and object interactions. It offers interactive, intuitive, and easy to use dashboards for data analysis, as well as tools for auto-generating and prioritizing relevant data points and charts.

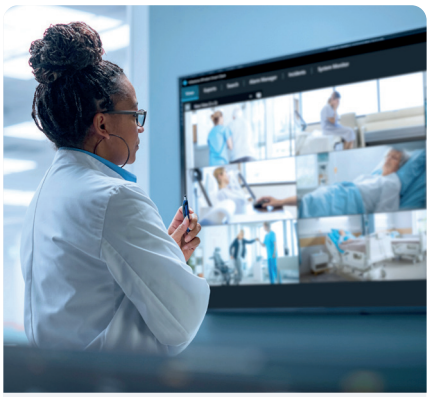
Business intelligence tools make it easy to combine video analytics with third-party data — from point of sale to time management and access control. This gives you a more complete view of your environment. You can also export the data to external BI systems for deeper analysis and insights.

Video analytics for security and safety



Site security

- Restricted area access
- Dwell alerts
- Theft reduction



Staff safety

- Safety of healthcare providers
- Watch list alerts
- Incident response



Perimeter security

- Airport runway safety
- Detect & alert unauthorized objects
- Reduction in false alarms



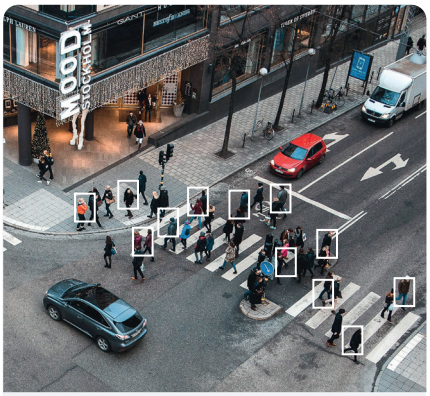
Investigation management

- Accelerate incident review
- Ensures evidence admissibility (chain of custody)
- Case collaboration



Operational efficiency

- Strain on SOC resources
- Comprehensive analytics improve efficiency
- Process automation

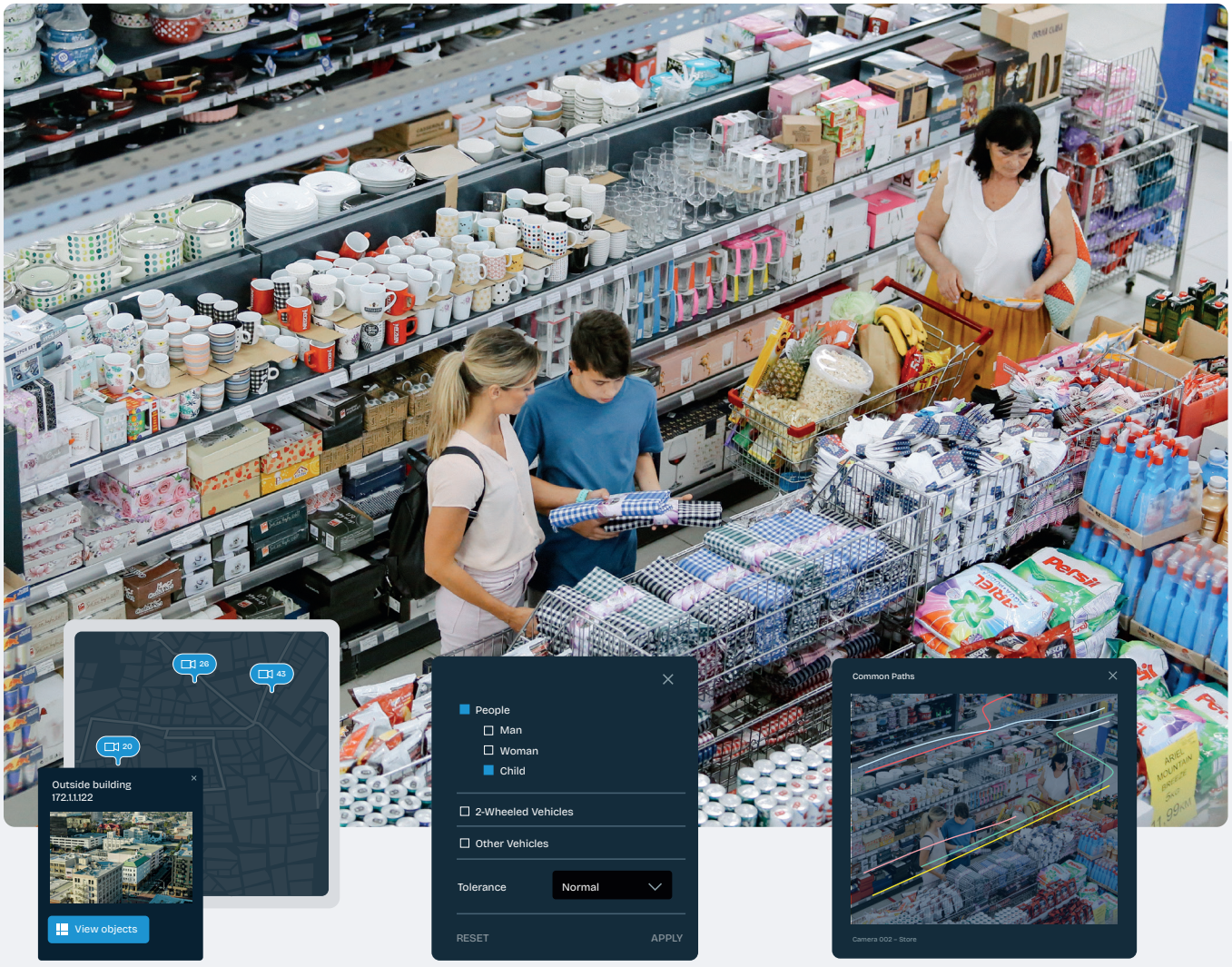


Traffic/people management

- Foot traffic analysis
- Crowd control
- Dwell/Queue alerts

Transform video into intelligence

Turn security footage into actionable outcomes with intelligent alerts, precise video search, and powerful investigative tools driven by advanced AI.



Maps view

Investigate cases with a visual reference of camera locations and associated files

Refined search

Refine search results with precision controls. Use advanced filtering tools to narrow down results by filter tolerance, object density, speed and direction.

Visual layers

Apply visual layers for deeper scene understanding. Generate intuitive heatmaps to enhance scene understanding of complex patterns in activity levels, dwell time, common paths and background changes.

Developer tools

Unified open API

Enables developers to deepen the integration between third-party applications and BriefCam.

Respond outbound API

Enables integration of BriefCam alerts into third-party alerting infrastructures.

Systems event API

Enables a system event to be sent to any third-party system.

Administration

Centralized administration

View and activate cameras, configure hosts, GPUs, and services from a single web interface.

Flexible scheduling

Schedule continuous, one-time, daily or weekly automatic video processing for each VMS video source, across all three platform modules.

SSO compability

Support for secure third-party single sign-on authentication.

GDPR compliance

Easily delete or export personally identifiable data, enabling GDPR compliance.

Cross-platform video analytics capabilities

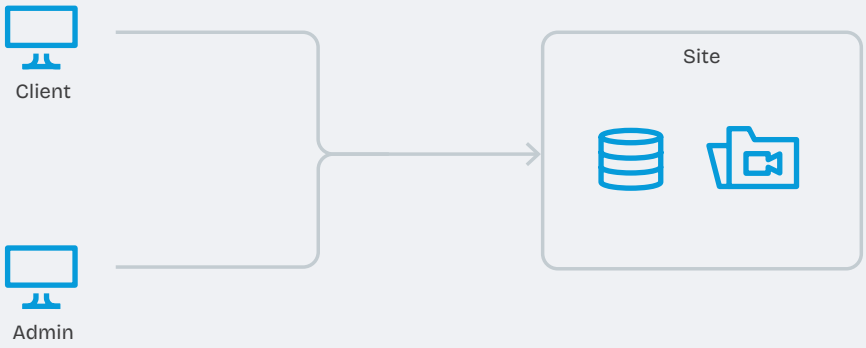
Features	Review Search	Respond Alert	Research Quantify
Source Based on specific cameras or files	√	√	√
Time range Based on specific time ranges	√	√	√
Class Based on people (man, woman, child) two-wheeled vehicles (bicycles, motorcycles) other vehicles (car, pickup, van, truck, bus, train, airplane, boat) illumination changes and animals	√	√	√
Custom classified Define, train on-site, and leverage custom classes for uniformed workers and 4-wheel vehicles. (Available only with the Linux-based engine)	√	√	√
Person attributes Based on person characteristics, including: Lower and upper wear (by color) Hats, Face masks, Bags	√	√	√
Color Based on any combination of object color including: brown, red, orange, yellow, green, lime, cyan, blue, purple, pink, white, grey, and black	√	√	√
Video synopsis Simultaneously view objects that have appeared at different times in a video or from smart alerts for accelerated video review	√	√	
Fast track Quickly find objects across surrounding cameras based on geolocations defined in the integrated VMS	√		
Case management Organize all video assets of an investigation in a single container, bookmark objects of interest, and export case findings reports to support collaboration	√		
Appearance similarity Identify people and vehicles with similar attributes	√		

Features	Review Search	Respond Alert	Research Quantify
Face recognition Based on images extracted from existing video or photo uploads, conduct "in the wild" face matching for persons included or excluded on watchlists. BriefCam offers versions with face recognition completely deactivated and excluded from the user interface.	√	√	√
License plate recognition For "in the wild" surveillance scenarios, recognize license plates based on watchlists for vehicle behavior analysis and traffic optimization.	√	√	√
Vehicle make and model recognition Identify vehicles by brand and type.	√	√	√
Proximity identification Detect the distance between individuals over time and location for measuring compliance with physical distancing mandates, enabling contact tracing, and advancing investigations.	√	√	√
Face mask detection Detect and identify face mask wearing and lack thereof for measuring compliance with public health mandates and safety codes.	√	√	√
People counting Count the number of people in a pre-defined area or who traveled in a certain direction, track queues and formations, and measure occupancy to optimize space utilization and pedestrian traffic flows.	√	√	√
Crowd counting Count the number of people in sizable crowds or areas, taking over from the people counting algorithm for groups exceeding 50 people. Measure maximum and minimum crowd sizes over a set period of time. Available only with the Linux-based engine.		√	√
Airplane counting Monitor the increase or decrease of airplanes in a pre-defined range of view or area. Available only with the Linux-based engine.		√	√
Group detection Receive alerts when a group of a pre-defined number forms in a certain area for a certain amount of time. Available only with the Linux-based engine.		√	
Visual layers Create visual analytics and derive insights about activity, dwell time, common paths, and background changes.	√		√
Direction Based on direction detected in video.	√	√	√
Size Based on object's actual calculated size.	√	√	√
Path Identify objects traveling along one or more user-defined paths.	√	√	√
Area Identify objects included or excluded within one or more user-defined 3- or 4-sided polygon areas.	√	√	√
Speed Based on object's actual calculated speed.	√	√	√
Dwell Based on object dwelling for pre-set time periods within scene.	√	√	√
Line crossing Detect demarcation crossings in predefined direction.			

Technical specifications

Recommended video stream resolution	Minimum: CIF (352 × 240), Maximum: 4K (3840 × 2160)
Recommended frame rate (FPS)	8–30 frames per second
Supported video file formats	.264, .3GP, .ASF, .AVI, .DAV, .DIVX, .DVR*, .FLV, .G64, .G64X, .GE5, .MKV, .MOV, .MP4, .RAW, .RT4, .TS, .WMV, .XBA (single & multi-stream)
Supported codecs	H.264, H.265/HEVC, MPEG-4, H.263 (H.265 supported for selected VMSs and cameras)
File-based ingestion	Multi-file videos or single file videos
Supported VMS platforms	American Dynamics, Arcane Technology, Avigilon, Axis, Bosch, CASD, Dallmeier, Digifort, Digital Watchdog, Exacq, FLIR, Genetec, Geutebrück, Hanwha, Hikvision, IndigoVision, Intellience, IPConfigure, ISS, Lense12, March Networks, Milestone, Network Optix, Panasonic i-PRO, Pelco, Qognify, Salient, Surveill3, Synectics*, Teleste, Verint (Plugins created by the VMS partner)
Supported camera types	Fixed cameras
Single sign-on (SSO)	Microsoft Active Directory (LDAP and LDAPS), including user groups (OU support) and the SAML protocol
Face recognition	Minimum face size: 40 × 40 pixels across the person's face, 20 pixels between the eyes or 400 pixels per meter To ensure compliance with local regulations, versions of BriefCam software without facial recognition capabilities are available for purchase
Supported languages	Arabic, Brazilian Portuguese, Bulgarian (not including RESEARCH), Chinese Simplified, Chinese Traditional, Danish, Dutch, English, Finnish, French, German, Hebrew, Italian, Japanese, Korean, Spanish, Russian, Thai, Turkish, Ukrainian, Vietnamese
Supported browsers	Google Chrome (desktop) and Microsoft Edge (Not supported in BriefCam Nexus)

Platform architectures



Standalone architecture

A BriefCam system for facilities of any size that includes Review, Respond, and Research. Internal architecture may include a Linux-based engine for customers to maximize real-time performance and accuracy, while reducing the total cost of system ownership.



Multi-site architecture

The BriefCam Nexus solution provides a multi-site architecture option for enterprises with several locations. With a dedicated hub for centralized alerts and business intelligence, BriefCam Nexus enables operators to derive and leverage site-specific intelligence to assess performance, identify trends, guide investments, and base future decisions on data-driven insights.

See Milestone in action

Discover how BriefCam offers instant insights with immediate impact. Request a demo today.

About Milestone Systems

Milestone Systems is a world leader in data-driven video technology used in industries as diverse as manufacturing, airports, law enforcement, retail, and traffic management. We provide a clear picture of how to create a safer, better and more prosperous world. Our XProtect video management software, BriefCam AI-powered analytics, and Arcules cloud VSaaS help our customers learn from the past, understand the present, and predict the future. Founded in 1998 and headquartered in Copenhagen, Milestone employs more than 1,500 people worldwide and has been an independent company in the Canon Group since 2014.

Visit milestonesys.com for more information.

Scan the QR code to book a demo today