



BRIEFCAM PLATFORM DATASHEET

BriefCam

The BriefCam® comprehensive Video Content Analytics platform empowers people, companies, and communities to realize the value of their video surveillance content by making video searchable, actionable, and quantifiable. Review hours of video in minutes; respond immediately to critical situational changes in the environment; and quantitatively analyze video to derive actionable insights for data-driven safety, security and operational decision making, all while effectively balancing sensitivity, accuracy and efficiency:

INNOVATIVE & EXTENSIBLE PLATFORM: A robust portfolio of critical video analytics capabilities fully integrated across the platform for a better together paradigm.

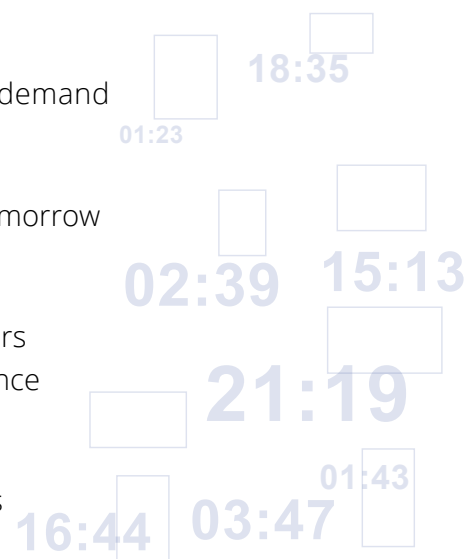
UNMATCHED ACCURACY: Leverage market leading accuracy for detection and classification across object classes, attributes, behaviors, as well as face and license plate recognition.

SUPERIOR PERFORMANCE: Effectively supports the requirement for both on-demand and real-time analytics for full camera coverage.

FLEXIBLE ARCHITECTURE: Designed to meet the business needs of today and tomorrow for centralized, distributed, cloud, edge and hybrid deployment architectures.

CENTRALIZED ANALYTICS & ALERTS: With the BriefCam Hub, multi-site customers can centrally view and analyze alerts generated at remote sites as well as intelligence dashboard visualizations from all sites.

EASE OF USE: Quickest time to value and lowest total cost of ownership drives productivity, accelerates time to target and gains the competitive edge.



BRIEFCAM SOLUTIONS



REVIEW

Accelerate Investigations

CASE MANAGEMENT: Organize all video assets of an investigation in a single container, bookmark objects of interest, and summarize case findings (including all relevant exhibits) in an exportable report, while dynamically collaborating on cases with other users.

VIDEO SYNOPSIS®: BriefCam's VIDEO SYNOPSIS solution simultaneously presents objects that have appeared at different times within the video. The result is a dramatically shorter video segment that fully preserves the viewer's ability to analyze the scene, enabling the review of hours of video in minutes and sometimes seconds.

MULTI-CAMERA SEARCH: Powerful and advanced multi-camera search capabilities for all BriefCam search filters and Visual Layers.

PROXIMITY IDENTIFICATION: Search for and identify the distance between individuals over time and location for compliance with physical distancing and contact tracing, as well as criminal investigations.

FACE MASK DETECTION: Forensically search and filter video to identify face mask usage.

FACE RECOGNITION: Accurate face recognition for rapidly pinpointing persons included or excluded in watchlists, based on images extracted from existing video or data uploads.

LICENSE PLATE RECOGNITION: Differentiated license plate recognition, designed especially for "in the wild" surveillance scenarios and ease of operation in finding license plates included or excluded in watchlists, existing video or data uploads.

LINE CROSSING: Detect, filter and count objects that cross a demarcation in a pre-defined direction to drive perimeter protection and directional object count.

APPEARANCE SIMILARITY: Instantly locate people, vehicles, and other items of interest by searching for objects with similar appearances.

VISUAL LAYERS: Create visual analytics for activity, dwell time, common paths and background changes.

FILTER TOLERANCE: Adjust tolerance levels to refine search results.

DENSITY & SPEED CONTROL: Increase or decrease the number and speed of events shown at once.

SORT CONTROL: View events by relevance or by order of occurrence and easily zoom in on items of interest.



RESPOND

Attain Situational Awareness

REAL-TIME ALERTS: Trigger real-time, rule-based alerts for face recognition, line crossing, vehicles, people of interest and object count, in time sensitive situations.

SMART ALERTS: Respond to complex situational changes in the environment through buildable rule configurations, based on any number of search filters, including face and license plate recognition and more.

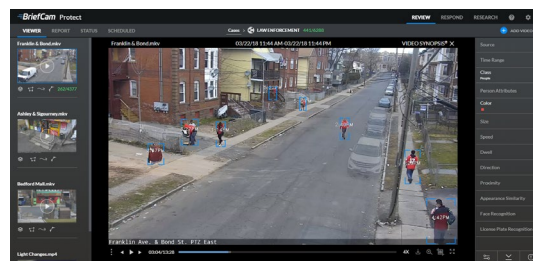
PROXIMITY IDENTIFICATION: Trigger notifications when pre-configured physical distancing alerting rules are violated to proactively ensure compliance.

FACE MASK DETECTION: Detect and alert on whether or not face masks are worn.

PEOPLE COUNTING: Configure count-based rules to monitor the number of people in a pre-defined range of view or area – ideal for tracking queues and waiting areas, and alerting to crowd formation.

NOTIFICATIONS: Send notifications to messaging services, and VMS alarms area. Integration with Genetec Security Center, Milestone XProtect, Axis ACS, IndigoVision Control Center, Qognify Ocularis, Digifort Enterprise, and Verint EVMS.

WATCHLISTS & RULE CONFIGURATION: Create and share face and license plate watchlists and alert rules, for faces and license plates included or excluded in a watchlist, enabling rapid notification of events in your environment.



REVIEW: VIDEO SYNOPSIS with Search



RESEARCH

Derive Operational & Business Intelligence

OPERATIONAL INTELLIGENCE PLATFORM: Interactive, intuitive and easy to use dashboards for visualizing and analyzing data. Chart suggestions and insight advisor auto-generate and prioritize relevant data points and charts.

HIGHLY CUSTOMIZABLE: Out-of-the-box, extensible library of vertical-specific dashboards to visually represent object movement, demographic segmentations, behavior trending, hotspots and object interactions.

CROSS CAMERA VISITOR ANALYTICS: Reidentify and track individuals across cameras based on face recognition to measure unique visit duration and site navigation; quantify repeat and bounced visitor traffic; differentiate between employee and guest traffic; and exclude employees from visitor counts.

PROXIMITY IDENTIFICATION: Quantify and analyze distance between individuals over time and location to detect non-compliance with physical & social distancing mandates.

FACE MASK DETECTION: Quantify the number of people with or without a face mask.

PEOPLE COUNTING: Gain insights about area occupancy, including queues, to optimize space utilization and people traffic flow, uncover visitor statistics, and more.

LICENSE PLATE RECOGNITION: Visualize and analyze vehicle behavior patterns for improved traffic and asset management.

THIRD PARTY DATA SOURCES: Seamlessly correlate video analytics with third party data sources, such as Point of Sale, Time Management, and Access Control, for a uniquely informative view of your environment. BriefCam data can also be exported into an external business intelligence database for analysis and correlation.

VISUAL LAYERS: Derive insights with visual layer trend analytics within RESEARCH dashboards.



ADMINISTRATION

Ease of Use

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

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



DEVELOPER TOOLS

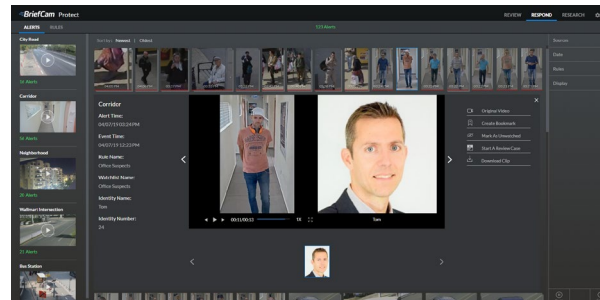
Better Together

VIDEO INTEGRATION API (VIA) PLUG-IN: Enables integration with any VMS solution, including real-time (RSTP) video ingestion.

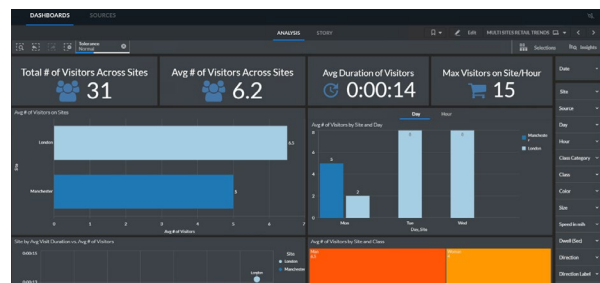
UNIFIED OPEN API: Enables developers to deepen the integration between third-party applications and BriefCam.

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.



RESPOND: Real-time Alerts with Face Recognition



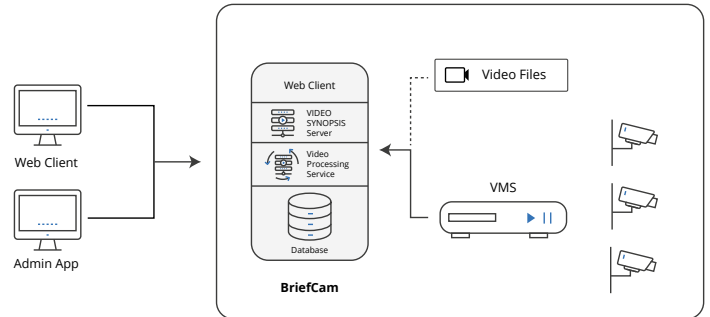
RESEARCH: Multi-Site Data Aggregation in a Centralized Dashboard

PLATFORM ARCHITECTURES

PLATFORM EDITIONS				
PRODUCT	PROTECT	INSIGHTS	INVESTIGATOR	RAPID REVIEW
VIDEO INGESTION	File and VMS-based	VMS-based	File-based	VMS-based
PLATFORM MODULES	REVIEW, RESPOND, RESEARCH	REVIEW, RESPOND, RESEARCH	REVIEW	REVIEW
USERS	Multi-user	Multi-user	Single User Multi-user (Investigator for Teams)	Multi-user
AVAILABLE ARCHITECTURES	Standalone	Multi-Site & Standalone	Standalone	Standalone

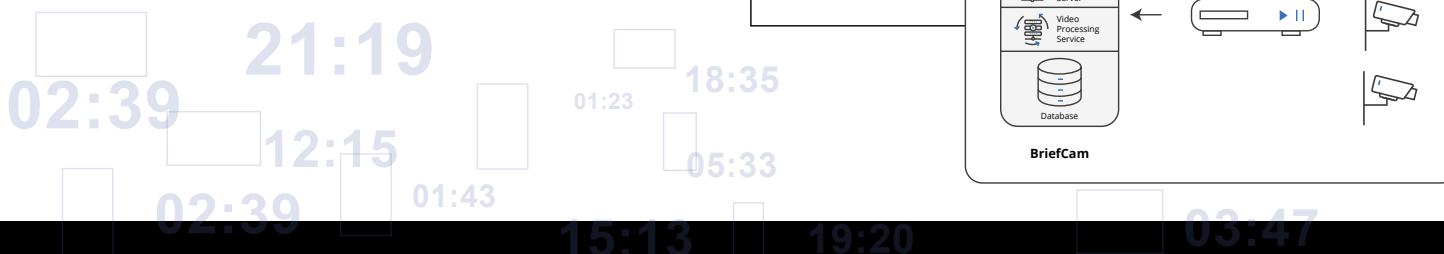
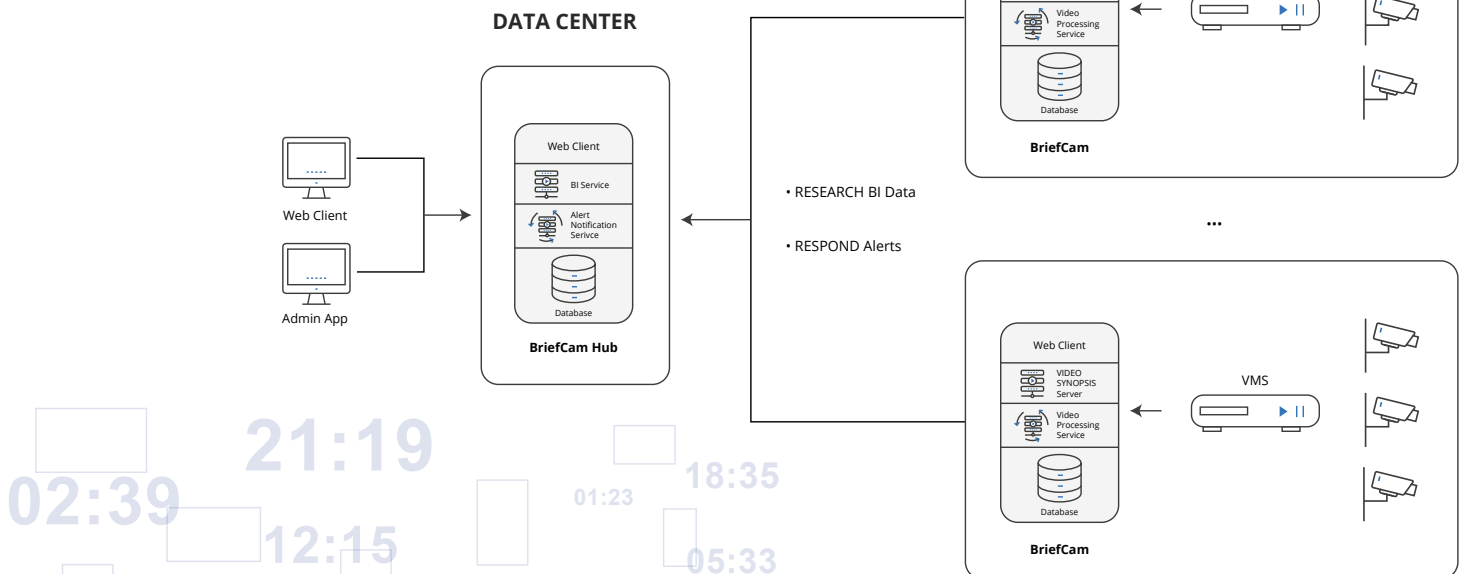
STANDALONE ARCHITECTURE

A BriefCam system for facilities of any size that includes REVIEW, RESPOND and RESEARCH.



MULTI-SITE ARCHITECTURE

A BriefCam system for multiple sites that includes a local BriefCam system at each site and a centralized Hub that connects to all the site systems and aggregates the business intelligence and real-time alert metadata from all sites.



SEARCH FILTERS

SOURCE	Limit objects to specific cameras or files
TIME RANGE	Limit the search criteria to specific time ranges
CLASS	<p>Class Categories: People, Two-Wheeled Vehicles, Other Vehicles, and Animals</p> <p>People: Man, Woman, Child</p> <p>Two-Wheeled Vehicle: Bicycle and Motorcycle</p> <p>Other Vehicles: Car, Pickup, Van, Truck, Bus, Train, Airplane, and Boat</p> <p>Illumination Changes: Lights On, Lights Off</p> <p>Animals</p>
PERSON ATTRIBUTES	<p>Lower Wear: Long, Short, and by Color</p> <p>Upper Wear: Long Sleeves, Short Sleeves, and by Color</p> <p>Hats: No Hat, Hat</p> <p>Face Masks: No Mask, Mask</p> <p>Bags: No Bag, Backpacks, Handheld Bags</p>
COLOR	Identify objects according to any combination of Brown, Red, Orange, Yellow, Green, Lime, Cyan, Blue, Purple, Pink, White, Grey, and Black
APPEARANCE SIMILARITY	Identify people and vehicles with similar attributes
FACE RECOGNITION	<p>View All Faces: View all faces that were detected in a case</p> <p>Search by Face: Search by face using external images or images from video</p>
LICENSE PLATE RECOGNITION	<p>View All Plates: View all license plates detected in a scene</p> <p>Search by Plates: Search all license plates that were detected in a case and search using a watchlist of license plates, data import of license plate numbers, or existing plates from video</p>
LINE CROSSING	Filter for objects that cross a demarcation in a predefined direction
PROXIMITY	Filter for people based on their distance from other people
DIRECTION	Select objects according to their direction as visually seen in the video
SIZE	Select objects based on their actual (real-life) size from a histogram of sizes relevant to a specific case
PATH	Filter for objects traveling along one or more user-defined paths
AREA	Filter for objects included or excluded within one or more user-defined 3- or 4-sided polygon areas
SPEED	Select objects based on their actual speed from a histogram of speeds relevant to a specific case
DWELL	Select objects dwelling for longer than a certain period in a scene

TECHNICAL SPECIFICATIONS

RECOMMENDED RESOLUTION	Minimum CIF, Maximum 4K
RECOMMENDED FRAME RATE (FPS)	8-30 frames per second
SUPPORTED VIDEO FILE FORMATS	.AVI, .MKV, .MPEG4, .MOV, .WMV, .DVR, .ASF, .RT4, .DIVX, .264, .GE5, .TS, .3GP, .XBA (single stream and multi-stream), .MP4, .FLV
SUPPORTED CODECS	H.264, H.265/HEVC, MPEG-4, H.263 (H.265 is supported for selected VMSs and cameras)
FILE-BASED INGESTION	Multi-file videos or single file videos
SUPPORTED VMS PLATFORMS	Avigilon, Axis, Bosch, CASD, Dallmeier (recorder)*, Digifort, Digital Watchdog, Exacq, FLIR (formerly DVTel), Genetec, Geutebruck, IndigoVision, IPConfigure Orchid, ISS, LenelS2*, March Networks*, Milestone, NX (Network Optix), OnSSI, Panasonic i-PRO Sensing Solutions Corporation of America*, Pelco*, Qognify (formerly Nice, SeeTec, OnSSI), Salient, Synectics*, SeeTec, Teleste, Verint * Plugins created by the VMS partner
SUPPORTED CAMERA TYPES	Fixed Cameras
SINGLE SIGN-ON (SSO)	Microsoft Active Directory, both LDAP and LDAPS, including user groups (OU support), and the SAML protocol
FACE RECOGNITION	Minimum Face Size: 24x24 pixels
SUPPORTED LANGUAGES	Arabic, Brazilian Portuguese, Chinese Simplified, Chinese Traditional, Danish, Dutch, English, Finnish, French, German, Hebrew, Italian, Japanese, Korean, Latin Spanish, Thai, Turkish, Ukrainian, Vietnamese
SUPPORTED BROWSERS	Google Chrome Desktop, Mozilla Firefox, and Microsoft Edge (not supported in the Hub)

ABOUT BRIEFCAM

BriefCam® is the leading provider of video analytics software that enables people, companies, and communities to unlock the value of video surveillance content. Delivering accurate, flexible, and comprehensive solutions, BriefCam's video analytics platform provides valuable insights for accelerating investigations, increasing situational awareness and enhancing operational intelligence.

VIDEO SYNOPSIS® technology is a registered trademark of BriefCam, Ltd. For more information about BriefCam's video content analytics solutions, visit <https://www.briefcam.com/>.