PROTECT & INSIGHTS
DATASHEET

=BriefCam

The BriefCam® comprehensive Video Content Analytics platform drives exponential value from surveillance camera investments 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:
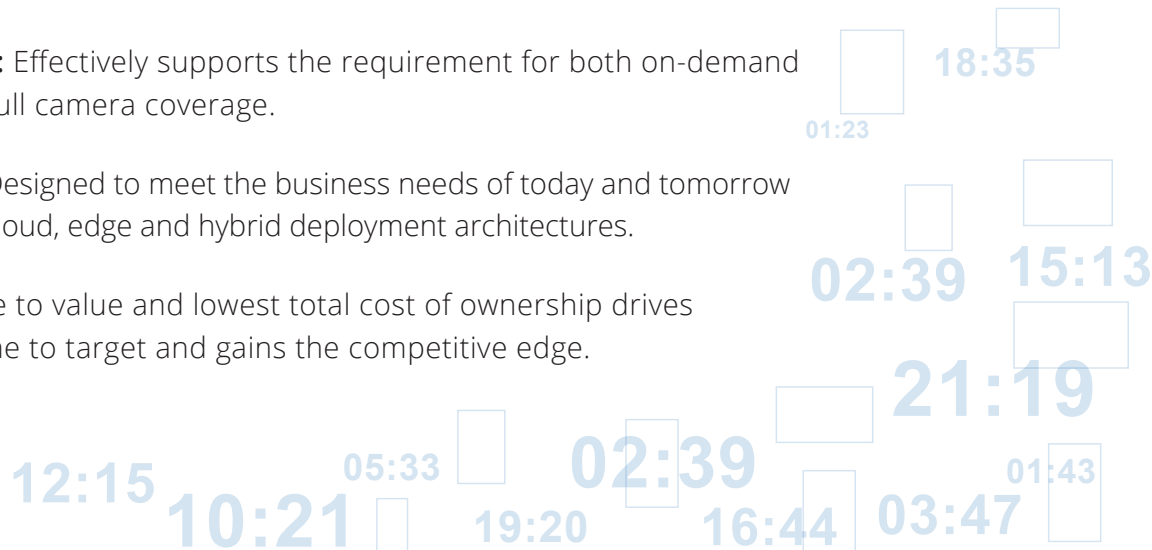
INNOVATIVE & EXTENSIBLE PLATFORM: A robust portfolio of critical video analytics capabilities fully integrated across the platform for a better together paradigm.

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.

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

18:35
01:23
02:39 15:13
21:19
12:15   05:33   02:39   01:43
10:21   19:20   16:44   03:47

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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.

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 through 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 attributes.

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
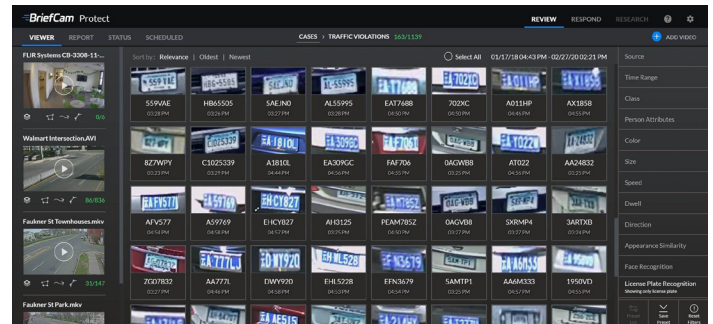### Attain Situational Awareness

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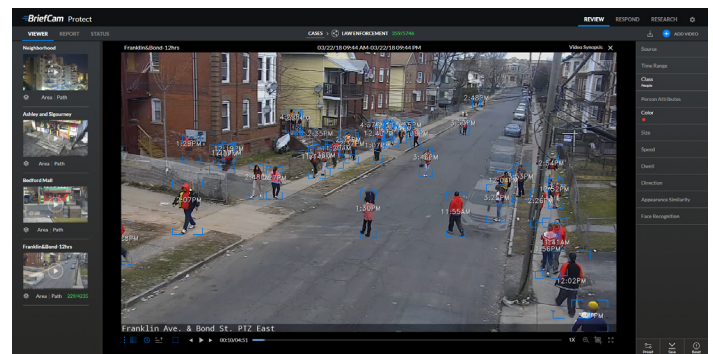
PEOPLE COUNTING: Configure count-based rules to monitor the increase or decrease of people in a pre-defined range of view or area – ideal for tracking queues and waiting areas.

NOTIFICATIONS: Send notifications to messaging services, and VMS alarms area. Integration with Genetec Security Center, Milestone XProtect, and IndigoVision Control Center.

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

REVIEW: License Plate Recognition with Search

REVIEW: BriefCam's VIDEO SYNOPSIS with Search

RESEARCH

Derive Operational and 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.

PEOPLE COUNTING: Gain insights about area occupancy, including queues, to optimize space utilization and traffic flows, 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.

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

ADMINISTRATION

Ease of Use

CENTRALIZED DEPLOYMENT: 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 sign-on authentication.

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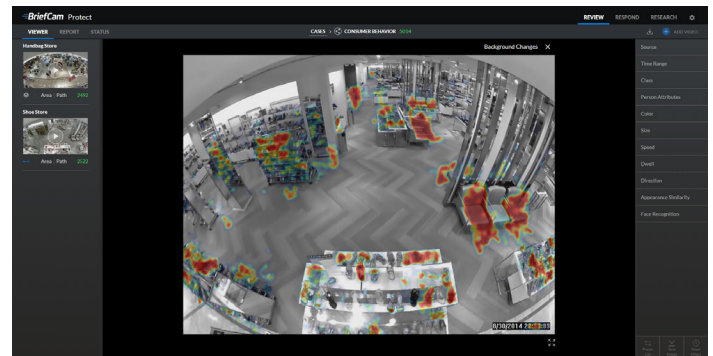
DEVELOPER TOOLS

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.
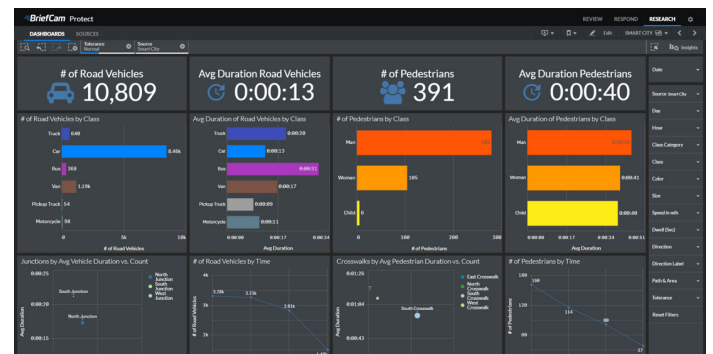
RESPOND OUTBOUND API: Enables integration of BriefCam alerts into third-party alerting infrastructures.
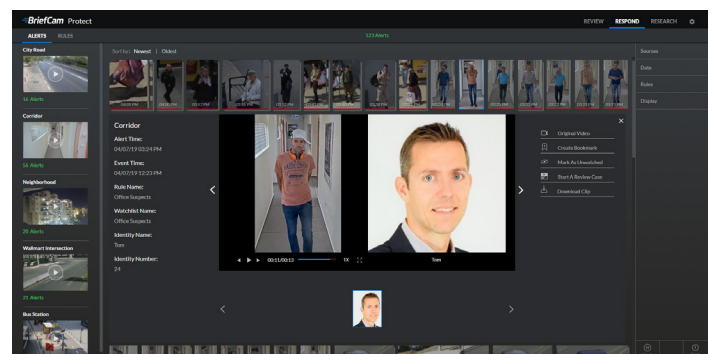
BRIEFCAM AT WORK

Transforming Video into Actionable Intelligence

REVIEW: Visual Layers with Object Interaction

RESEARCH: Analysis with Third-Party Data Correlation

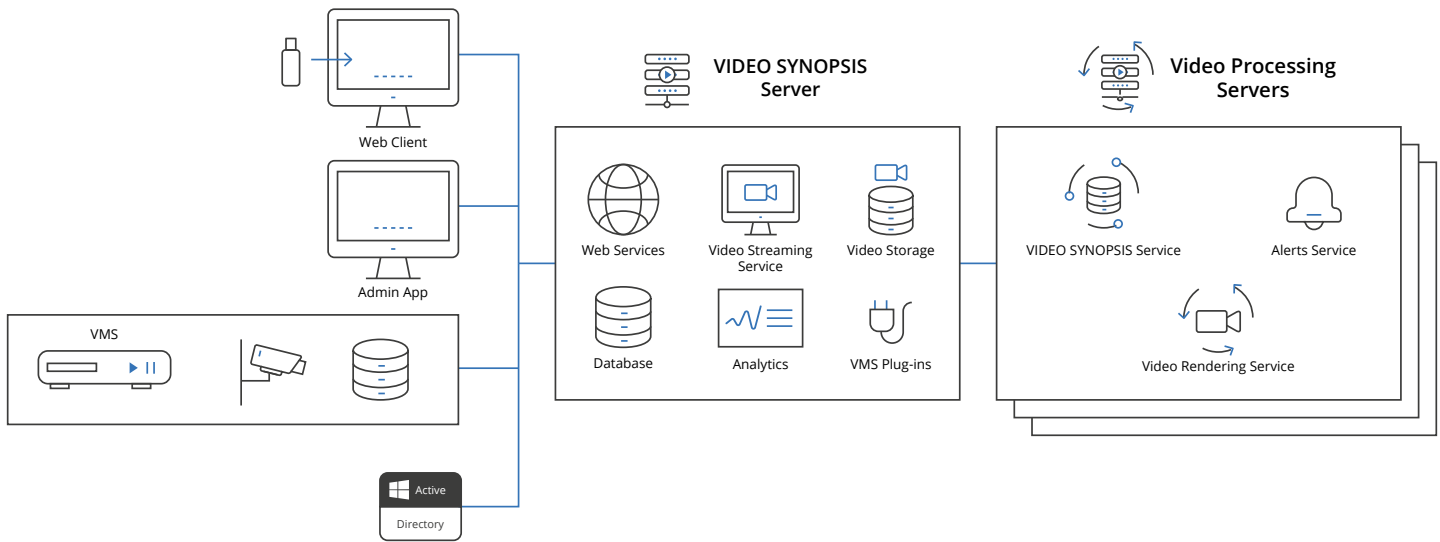*RESPOND: Real-time Alerts with Face Recognition*
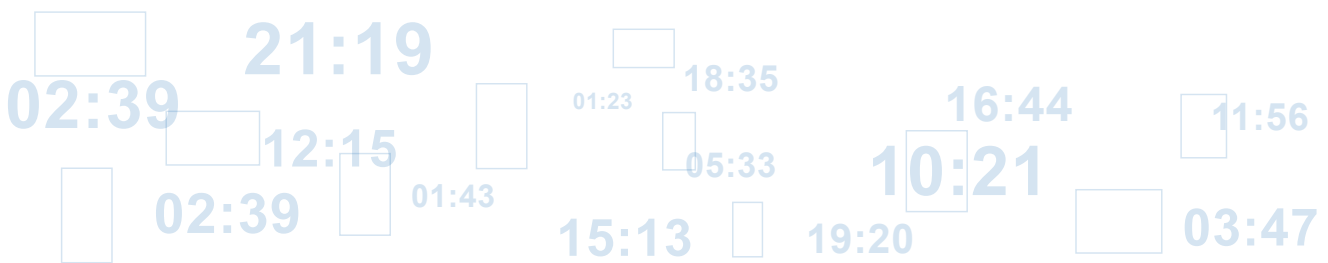
PLATFORM ARCHITECTURE

SOLUTION COMPONENTS

BRIEFCAM'S VIDEO SYNOPSIS SERVER: Responsible for web, video streaming, data analytics and aggregation services, metadata database, video file storage, load balancing, VMS plug-ins, and user management.

PROCESSING SERVER: Responsible for video decoding, rendering, object extraction and classification. Comprised of single or multiple GPU cards. Multiple servers can be deployed per site depending on video processing requirements.

DISTRIBUTED ARCHITECTURE

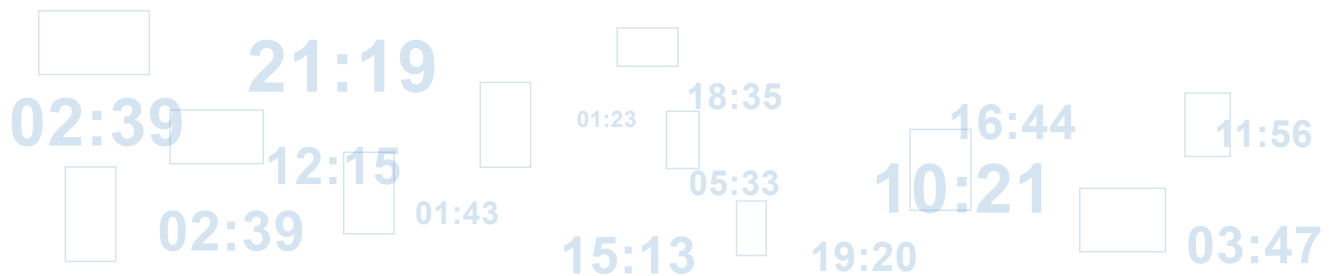| PLATFORM EDITIONS				
INVESTIGATOR	**INSIGHTS**	**RAPID REVIEW**	**PROTECT**	**MOBILE APP**
File-based	VMS-based	VMS-based	File and VMS-based	VMS-based
REVIEW only	REVIEW, RESPOND, RESEARCH	REVIEW	REVIEW, RESPOND, RESEARCH	Select REVIEW capabilities
Single-user | Multi-user	Multi-user	Multi-user	Multi-user	Multi-user

SEARCH FILTERS	
SOURCE	Limit objects to specific cameras or files
TIME RANGE	Limit the search criteria to specific time ranges
CLASS	**Class Categories:** People, Two-Wheeled Vehicles, Other Vehicles, and Animals **People:** Man, Woman, Child **Two-Wheeled Vehicle:** Bicycle and Motorcycle **Other Vehicles:** Car, Pickup, Van, Truck, Bus, Train, Airplane, and Boat **Illumination Changes:** Lights On, Lights Off **Animals**
PERSON ATTRIBUTES	**Lower Wear:** Long, Short, and by Color **Upper Wear:** Long Sleeves, Short Sleeves, and by Color **Hats:** No Hat, Hat **Bags:** No Bag, Backpacks, Handheld Bags
COLOR	Identify objects according to any combination of Brown, Red, Orange, Yellow, Green, Lime, Cyan, Purple, Pink, White, Grey, and Black
APPEARANCE SIMILARITY	Identify people and vehicles with similar attributes
FACE RECOGNITION	**View All Faces:** View all faces that were detected in a case **Search by Face:** Search by face using external images or images from video
LICENSE PLATE RECOGNITION	**View All Plates:** View all license plates detected in a scene **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
LINE CROSSING	Filter objects that cross a demarcation in a predefined direction
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	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	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, Digifort, Digital Watchdog, Exacq, FLIR (formerly DVTel), Genetec, Geutebruck, IndigoVision, IPConfigure Orchid, ISS, Milestone, NX (Network Optix), OnSSI, Qognify (formerly Nice), Salient, SeeTec, Teleste, Verint
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	Brazilian Portuguese, Chinese Simplified, Chinese Traditional, Danish, Dutch, English, Finnish, French, German, Japanese, Korean, Latin Spanish, Turkish, Vietnamese
SUPPORTED BROWSERS	Google Chrome Desktop and Firefox

ABOUT BRIEFCAM

BriefCam is the industry's leading provider of Deep Learning and VIDEO SYNOPSIS® solutions for rapid video review and search, face and license plate recognition, real-time alerting and quantitative video insights. By transforming raw video into actionable intelligence, BriefCam dramatically shortens the time-to-target for security threats, while increasing safety and optimizing operations. BriefCam's award-winning products are deployed by law enforcement and public safety organizations, government and transportation agencies, major enterprises, healthcare and educational institutions, and local communities worldwide. For more information about transforming video surveillance into actionable intelligence, visit www.briefcam.com.