



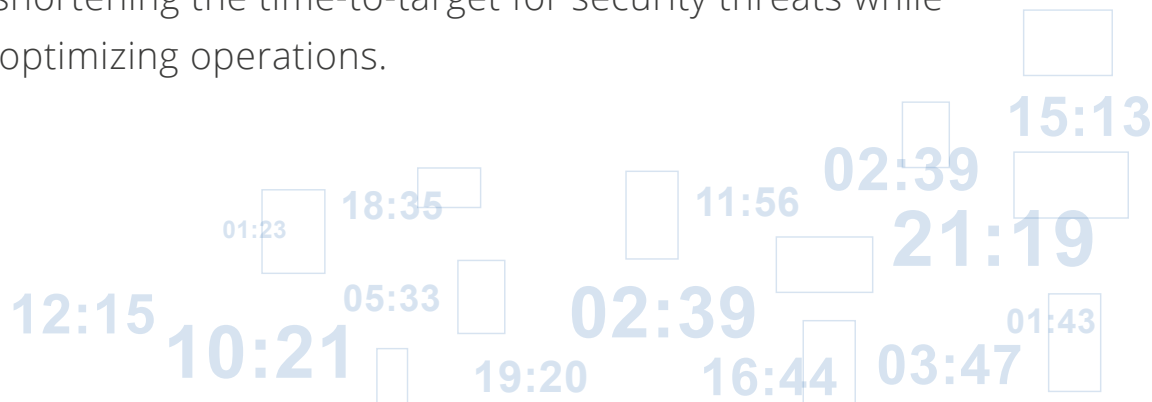
BRIEFCAM v5

DATASHEET

BriefCam

BriefCam is the industry's leading provider of Video Synopsis® and Deep Learning solutions that make video searchable, actionable, and quantifiable. BriefCam's video analytics platform is built on a unique fusion of Computer Vision and Artificial Intelligence (AI) technologies empowering new and innovative safety, security and operational efficiencies by extracting the value from video surveillance systems.

BriefCam v5 introduces breakthrough new capabilities across all three of the platforms seamlessly integrated modules. BriefCam's next generation platform enables rapid video review and search, quantitative video insights, and smart alerting, dramatically shortening the time-to-target for security threats while increasing safety and optimizing operations.



PLATFORM MODULES



REVIEW

Quickly review hours of video in minutes or even seconds.

FILE & VMS VIDEO SOURCES: Analyze video from both VMS and file-based sources.

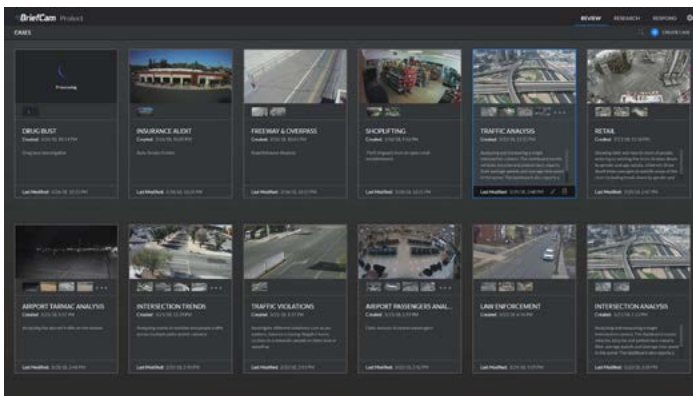
CASE MANAGEMENT: Organize all video assets of an investigation in a single container, bookmark objects of interest, and summarize case findings (including all relevant exhibits) in an exportable report.

VIDEO SYNOPSIS: Automatically extracts objects from the original video and efficiently reconstructs and superimposes them back in the original scene, simultaneously displaying events that have occurred at different times. The result is a dramatically shorter video segment that fully preserves the viewer's ability to analyze the scene.

MULTI-CAMERA SEARCH: Rapidly pinpoint people and vehicles of interest, using an extensive range of appearance and movement filters, across multiple video sources.

APPEARANCE SIMILARITY & FACE RECOGNITION: Instantly locate people, vehicles, and items of interest by searching for similar looking objects or by using face recognition.

FILTER PRESETS: Save filter states for later reference and retrieval across all modules.



BriefCam v5 Case Management



RESEARCH

Leverage quantitative analysis of video data to make informed, data-driven decisions.

COMPREHENSIVE BUSINESS INTELLIGENCE

PLATFORM: Dynamically visualize key performance indicators derived from extracted video objects and their classification.

TREND ANALYSIS: Compare visitor, pedestrian, and traffic patterns of any desired timeframe, i.e. days, months, years, to spot trends, outliers and insights.

CUSTOM DIMENSIONS: Define camera-specific dimensions that enable advanced, detailed analysis of KPIs:

- Area: Quantify the number of objects entering one or more user-defined 3- or 4-sided polygon areas. Support for both included or excluded areas.
- Path: Quantify the number of objects traveling along one or more user-defined paths.
- Funnel: Quantify the number of objects traveling between a user-defined series of areas.
- Duration: Quantify the number of objects dwelling for a user-defined time period within an area or along a path.

DASHBOARD LIBRARY: Out-of-the-box, extensible library of vertical-specific dashboards for quick and easy onboarding.

RAPIDLY CUSTOMIZABLE DASHBOARDS: Easy to use, intuitive interface for rapidly customizing and creating new insightful dashboards for specific personas and use cases.

FLEXIBLE SCHEDULING: Schedule continuous, daily, weekly, monthly or one-time dashboard generation for any VMS video source.

RESPOND

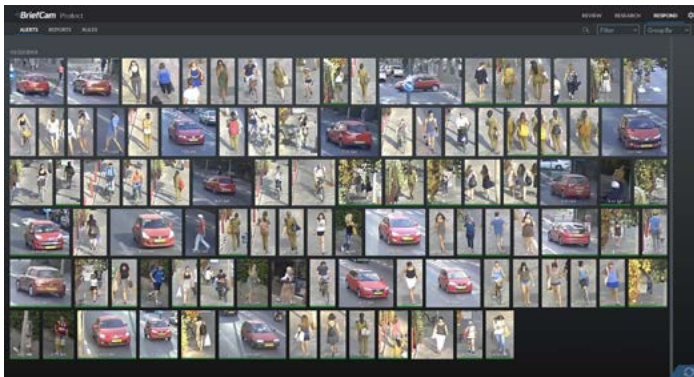
Increase safety and security with proactive response to critical events.

CUSTOMIZABLE ALERTS: Generate near-real-time alerts based on any supported search and filter criteria. (Currently available for FLIR Latitude, Genetec Security Center and Milestone XProtect).

ALERT REPORTS: Summarize daily alerts in a short Video Synopsis.

CHROME NOTIFICATIONS: Send notifications to a Google Chrome browser.

VMS INTEGRATION: Send alerts to the VMS alarms area. (Currently available for Genetec Security Center).



BriefCam v5 Customizable Alerts

ADMINISTRATION

Flexibly manage system deployment and performance options.

VMS PLUG-INS: Add and remove an unlimited number of VMS plug-ins.

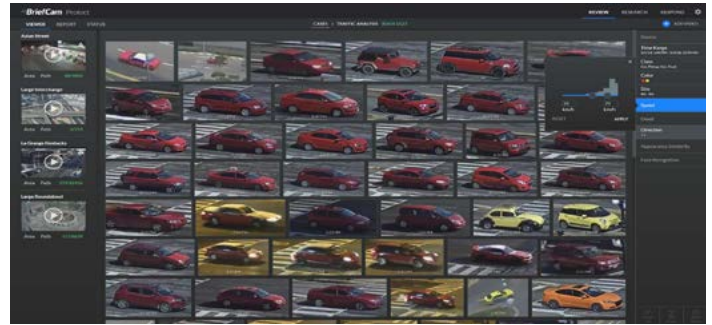
CAMERA MANAGEMENT: Add and view activated cameras.

USER MANAGEMENT: Add and remove users.

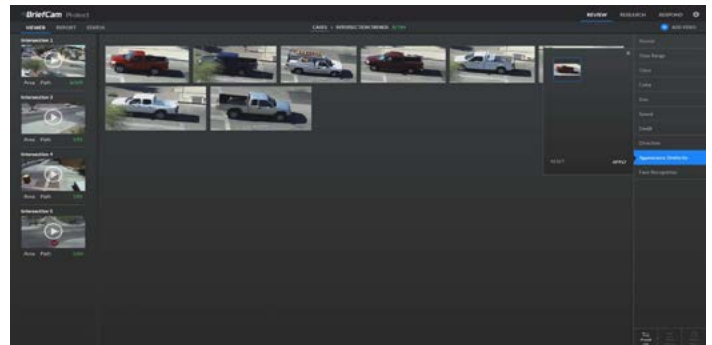
ACTIVE DIRECTORY: Assign licenses to active directory users.

PROCESSING TASKS: Display and manage current and previous processing tasks and queues.

BRIEFCAM v5



BriefCam v5 Rapid Review & Search



BriefCam v5 Appearance Similarity



BriefCam v5 Quantitative Insights



BriefCam v5 Customizable Dashboards & Reports

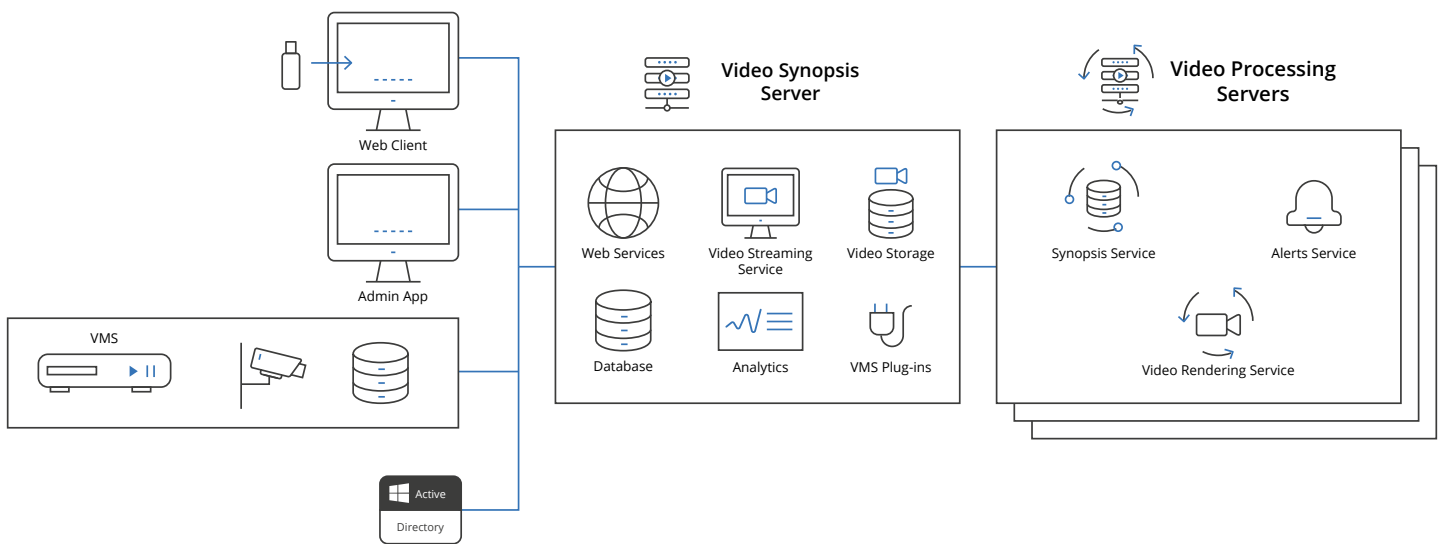
PRODUCT ARCHITECTURE

SOLUTION COMPONENTS

VIDEO SYNOPSIS SERVER (VS): 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 (PS): 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.

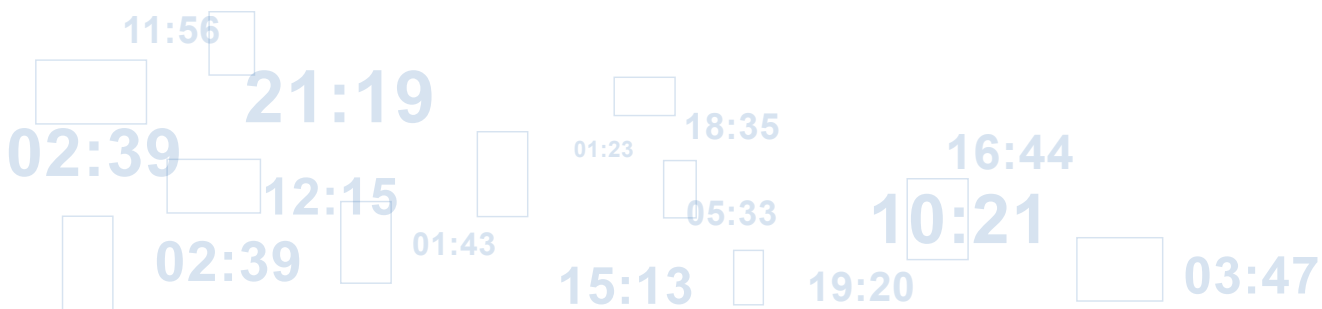
DISTRIBUTED ARCHITECTURE



PLATFORM EDITIONS				
BRIEFCAM INVESTIGATOR	BRIEFCAM INVESTIGATOR FOR TEAMS	BRIEFCAM PROTECT	BRIEFCAM RAPID REVIEW	BRIEFCAM INSIGHTS
File-based	File-based	File-based and VMS	VMS	VMS
Review	Review	Review, Research, Respond	Review	Review, Research, Respond
Single-user	Multi-user	Multi-user	Multi-user	Multi-user

OBJECT FILTERS

TIME RANGE	Limit the search criteria to specific time ranges
SOURCE	Limit objects to specific cameras or files
CLASSES	Select Classes based on their category or their specific member objects: Class Categories: People, Two-Wheeled Vehicles, Other Vehicles, and Animals People Class: Man, Woman, Boy, and Girl Two-Wheeled Vehicle Class: Bicycle and Motorcycle Other Vehicles Class: Car, Pickup, Van, Truck, Bus, Train, Airplane, and Boat Animals Class: Dog, Cat, Bird, and Horse
ATTRIBUTES	Select Attributes within a Class to further refine the search: Bags: Backpacks, Handheld Bags Hats: Hats, No Hats Upper Wear: Short/No Sleeves, Long Sleeves Lower Wear: Long, Short
COLOR	Identify objects according to any combination of Brown, Red, Orange, Yellow, Green, Lime, Cyan, Purple, Pink, White, Grey, and Black
SIZE	Select objects based on their actual (real-life) size from a histogram of sizes relevant to a specific case
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
AREA	Identify objects included or excluded within one or more user-defined 3- or 4-sided polygon areas
PATH	Identify objects traveling along one or more user-defined paths
FACE RECOGNITION	View All Faces: View all the faces that were detected in a case Filter by Faces: Find faces that appeared in one or more videos
APPEARANCE SIMILARITY	People Similarity: Identify similar looking people Vehicle Similarity: Identify similar looks vehicles



TECHNICAL SPECIFICATIONS

SUPPORTED RESOLUTION	Minimum CIF, Maximum 4K
SUPPORTED FRAME RATE (FPS)	8-30 frames per second
SUPPORTED VIDEO FILE FORMATS	.AVI, .MKV, .MPEG4, .MOV, .WMV, .DVR, .ASF, .RT4, .DIVX, .264, .H264, .H265, .GE5, .TS, .3GP
SUPPORTED CODECS	H.264, H.265/HEVC, MPEG-4, H.263
FILE-BASED INGESTION	Multi-file videos or single file videos
SUPPORTED VMS PLATFORMS	Avigilon, Bosch, CASD, Digifort, Exacq, FLIR (formerly DVTEL), Genetec, GeoVision, Hikvision, IndigoVision, Milestone, OnSSI/SeeTec, Qognify (formerly Nice), Salient, and Verint
SUPPORTED CAMERA TYPES	Fixed cameras
SINGLE SIGN-ON (SSO)	Microsoft Active Directory, including user groups (OU support)
FACE RECOGNITION	Minimum Face Size: 30x30 pixels

ADMINISTRATION AND MANAGEMENT SPECIFICATIONS

STORAGE AND DATABASE	Oracle Database 11g Release 2, Express and Standard Editions. Can be hosted on a separate server.
PORTS & PROTOCOLS	HTTP/HTTPS: 80, 443, 8094, 8099, 8666, 8669 (Web Services) LDAP: 389 (Video Synopsis Sever) SQL*Net: 1521 (Oracle client)

ABOUT BRIEFCAM

BriefCam is the industry's leading provider of Video Synopsis® and Deep Learning solutions for rapid video review and search, smart 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 briefcam.com