

ViBE™

AvidBeam Video Analytics Solution



AvidBeam



What is ViBE™?

AvidBeam ViBE™ (Video Information Business Engine) is a novel processing technology for efficiently extracting business and security intelligence from Video Big-Data sources

ViBE™ applies an innovative Cloud-based parallel architecture to the analysis of Video Big-Data. The result is a significant performance improvement for the analytics end-user

ViBE™ is Your Trusted 24/7 Intelligence Information Source

Outperforming: Synthesizing Big-Data Analytics to process and analyze massive amount of video files accurately in minimal time



Flexible: Diversified ways of access; either locally as co-located with your video management system on your private cloud, or remotely as a cloud-based solution



Smoothly-Integrated: Supports integration with leading video management systems for outstanding operational performance



Visually-Attractive: Rich business intelligence reports, in elegant visual formats, which you can easily understand and act accordingly



ViBE™ Interacts Intelligently With Video Surveillance Cameras



- Vehicle count
 - Vehicle type
 - Vehicle color
 - High accuracy license plate recognition (Arabic/Latin)
 - Vehicle tracking
 - Parking occupancy
 - Vehicle duration & frequency
- Face identification
 - Face recognition
 - People count
 - People heat maps
 - Retail hotspots
 - Queue monitoring
 - Object detection
 - Object classification



ViBE™ Applications

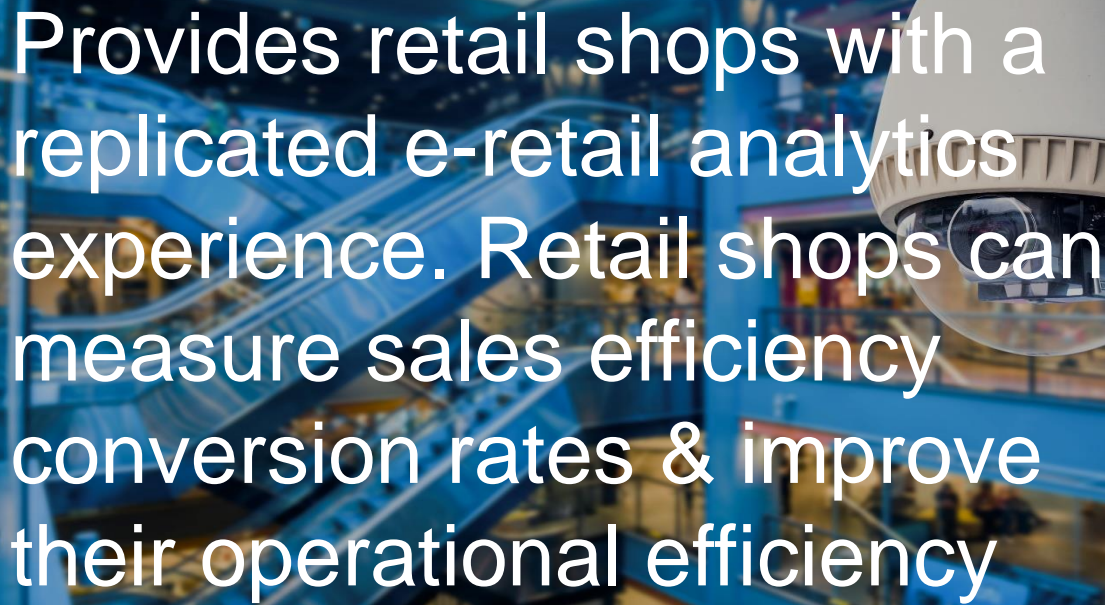
ViBE™ becomes a powerful tool to optimize the efficiency of a wide variety of industries



An Intelligent vehicle-flow analytics solution that translates data into meaningful visual information

ViBE™ for Parking & Gated Communities

- How many vehicles entered/exited (day/week/month)
- Known access (residents/staff) vs. Unknown access durations
- Patterns of movement during access (Track a specific car)
- Access density analysis (access volumes based on time-of-day)
- Searching for cars by License plate, Date and time, and Camera
- Traffic forecasts based on history
- Saving search queries
- Graphical representation of findings
- Images of cars per each detection
- Car's history
- Diversified set of configurable alarms
- White list or black list checking
- Immediate notification via email or SMS
- Other detailed analytics about any car (Color, Type,.....)
- Detailed report in multiple formats



Provides retail shops with a replicated e-retail analytics experience. Retail shops can measure sales efficiency conversion rates & improve their operational efficiency

ViBE™ for Shopping Malls & Retail Shops

- Customer entry/exit counts (day/week/month)
- Customer flow and distribution
- Hot spots (places most frequently visited by customers)
- Cashier queues performance as a function of time-of-day
- Correlations among advertising campaigns and customer visits
- Customer Access duration
- Patterns of movement during access
- Access density analysis (access volumes based on time-of-day)
- Traffic forecasts based on history
- Saving search queries
- Graphical representation of findings
- Diversified set of configurable alarms



Provides homeland security officers with intelligence information about vehicles, people and objects

ViBE™ for Security

- Intruder detection
- Motion detection
- People count
- Face detection and recognition
- Gender recognition
- Loitering and vandalism detection
- Suspicious object detection
- Criminal identification
- Patterns of movement
- Saving search queries
- Graphical representation of findings
- Diversified set of configurable alarms



General System Specifications

- Integrated with different VMS's (Milestone, Axis, AxxonSoft, Cisco VSMS,...) or deployed as a separate stand-alone application
- Available on different platforms (Windows, Linux), and form factors (Tablets, PC's, Mobile phones)
- User friendly browser interface for entering user queries and displaying query results (Windows, IOS, and Android supported)
- Interfacing with ONVIF compliant IP camera(s) or reading from surveillance digital video recording system(s)
- Scalable (easy to support any number of cameras)
- Customizable and configurable by client (Frame rate selection, camera management, Region of Interest selection, etc.)



AidBeam

AidBeam Technologies is a leading provider of video innovative solutions. AidBeam solutions focus on analyzing video Big-Data to extract insightful business & security information,. AidBeam also adaptively packages video streams to achieve the best quality of experience for AidBeam customers. AidBeam's technology strengths are based on world-class development team composed of video architects, software engineers and computer scientists with a proven track-record in video technologies. AidBeam team has accredited history of working in multinational corporations and delivering unique solutions and products worldwide.



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