

AI BASED ANALYTICS SERVER

All-in-One, Stand-Alone Analytics Server

- Hardware solution to allow quick deployment of video analytics.
- Open and standard interfaces for rapid integration.
- Optional VCA forensic search service
- Stream video directly from any IP camera or VMS via RTSP.
- State-of-the-art Machine Learning and AI algorithms for tracking people, vehicle types and bags.
- Full analytics metadata stream provided to facilitate forensic search or other value-add applications.
- Customisable out-of-the-box HTML5 user interface for analytics configuration; Configure rules and review events using your web browser on any device (via Chrome on Windows, Linux, Mac, Android).
- 3 years warranty
- Contact info@vcatechnology.com for more information

The VCAasp series is a hardware platform that comes loaded with VCAserver, providing industry-leading deep learning video analytics for event notification. It can also support VCAforensics for advanced post-event appearance searches.

VCAserver has been designed from the ground up to be easy to use and integrate. With video streaming, event alerting and an HTML5 configuration interface out-of-the-box, simple integrations can be completed in less than a week.

The server supports all the VCA Ai analytics to provide accurate detection of people, types of vehicles and objects as well as specific events such as slip and fall, hand held objects, shelf clearance and left bags

VCAforensics provides an intuitive appearance search tool, using snapshots, video clips and metadata from VCAserver with the ability to play recorded footage from VMS platforms

AI FEATURES



People detection



Head tracking



Vehicles types



Bag detection



Hand held objects



Slip and fall



Shelf clear



Aggressive Behaviour

FORENSIC SEARCH FEATURES



Search Tabs



Colour



Zones



Date/time filter



Object filter



Metadata database



VMS Playback



Image Search

OVERVIEW

VCAserver Industry leading Deep learning video analytics software.

- Channel Support Up to **115 Channels** when using the deep learning object tracker.
- Event Rules Intrusion detection, Tamper detection, Enter & exit filters, Appear & Disappear filters, Stopping filter, Dwell filter, Direction filter, Counting, Abandoned object filter, Removed object filter, Zones & lines, Speed filter, 3D calibration, Tailgating filter, Logical rules.
- Event Actions E-mail, TCP, HTTP

VCAforensics Providing advanced appearance searches using analytic metadata from VCAserver

- Channel Support Up to **70 Channels** (when used with the VCAserver deep learning object tracker).



ASP502/ASP503



ASP501

SYSTEM	ASP501	ASP502	ASP502
Channel Capacity	Up to 25 channels* Up to 11 when used with forensics*	Up to 80 channels* Up to 40 when used with forensics*	Up to 115 channels* Up to 70 when used with forensics*
CPU	Intel® Core™ i3-13100F	Intel® Core™ i5-13600	Intel® Core™ i7-13700KF
GPU	Nvidia® GTX 1660	Nvidia® RTX 4060	Nvidia® RTX 4060Ti
System Drive	SSD 250GB SATA3	SSD 250GB SATA3	SSD 250GB M.2 NVMe
Storage Drive	6TB SATA3	12TB SATA3	16TB SATA3
Dimensions	482 (W) x 88.8 (H) x 480 (D) mm	489 (W) x 88.8 (H) x 824 (D) mm	
Services	VCAserver, <i>Optional: VCAforensics</i>		
Operating System	Ubuntu 22.04 LTS Desktop		
Network	Realtek 1Gb Ethernet		

* Note : Channel capacity is based on inputs at 640x480 15fps. Capacities may vary depending on the input resolution, frame rate and image quality..

PARTS LIST

ASP501	2U short rackmount video analytics server. Up to 25 channels with the deep learning object tracker or 11 with forensics
ASP502	2U rackmount video analytics server. Up to 80 channels with the deep learning object tracker or 40 with forensics
ASP503	2U rackmount video analytics server, Up to 115 channels with the deep learning object tracker or 70 with forensics
RAILKIT-SD	19" Rack Rail Kits (compatible ASP501)
RAILKIT-LD	19" Rack Rail Kits (compatible ASP502/ASP503)