

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-added 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 loaded with VCAserver, providing the industry-leading deep-learning video analytics service. It can also support VCAforensics for advanced post-event appearance searches.

The server supports all VCA AI analytics to accurately track people, vehicles, other objects, and specific events such as slip-and-fall, handheld objects, shelf clearance, and left bags.

AI FEATURES



People detection



Head tracking



Vehicles types



Bag detection



Handheld 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 100 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 60 Channels (when used with the VCAserver deep learning object tracker).



SYSTEM	ASP501	ASP502	ASP503
Channel Capacity	Up to 22 channels* Up to 11 when used with forensics*	Up to 75 channels* Up to 47 when used with forensics*	Up to 100 channels* Up to 61 when used with forensics*
CPU	Intel® Core™ i3-13100F	Intel® Core™ i5-13600	Intel® Core™ i7-13700KF
GPU	Nvidia® GTX 1660 Super	Nvidia® RTX 4060	Nvidia® RTX 4060Ti
System Drive	SSD 250GB SATA3	SSD 250GB SATA3	SSD 250GB M.2 NVMe
Storage Drive	6 TB SATA3	12 TB SATA3	16 TB SATA3
Dimensions	488 (W) x 88.8 (H) x 600 (D) mm		
Services	VCAserver Optional: RetailTrend, VCAforensics		
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 rackmount video analytics server. Up to 22 channels with the deep learning object tracker or 11 with forensics
ASP502	2U rackmount video analytics server. Up to 75 channels with the deep learning object tracker or 47 with forensics
ASP503	2U rackmount video analytics server, Up to 100 channels with the deep learning object tracker or 61 with forensics
RAILKIT-LD	19" Rack Rail Kits