



AI BASED ANALYTICS **BRIDGE**

All-in-One, Stand-Alone Analytics bridge

- Hardware solution to allow quick deployment of video analytics.
- · Ready to go with our industry-leading video analytic service, VCAserver.
- State-of-the-art Machine Learning and Ai algorithms for tracking people and vehicle types.
- Supports our business reporting service RetailTrend On-premise/Cloud.
- VCA forensics search service is available on the ABP302 series.
- Stream video directly from any IP camera or VMS via RTSP.
- Open and standard interfaces for rapid integration.
- Full analytic metadata stream provided to facilitate forensic search or other value-added applications.
- Access services (VCAserver and RetailTrend) using a web browser from any device.
- 3-year warranty.
- Contact <u>info@vcatechnology.com</u> for more information.

The VCAabp series is a hardware platform that comes loaded with VCAserver. It provides industry-leading deep learning video analytics for event notification and is also capable of supporting VCA forensics or Retail Trend for a complete analytic solution.

VCAserver has been designed from the ground up to be easy to use and integrate, providing accurate detection of people, vehicles and other objects as well as specific events such as slip and fall, hand-held objects, shelf clearance and behaviour.

RetailTrend is our business reporting tool, taking data from VCAserver and displaying footfall, engagement, heatmaps and more via the browser-based UI, either on-premise or cloud.

VCA forensics 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



detection













Behaviour



Head tracking Vehicles types

Hand-held objects

Slip and fall

Shelf clear

Fight Accessory

FORENSIC SEARCH FEATURES











Search Tabs

Date/time filter

Object filter

RETAILTREND FEATURES



Footfall







Image Search

Direction Flow Heatmap

Zone traffic

www.vcatechnology.com info@vcatechnology.com

V/202/1205



OVERVIEW	
VCAserver	Industry-leading Deep learning video analytics software.
Channel Support	Up to 12 Channels when using the deep learning object tracker at 6fps , or up to 4 channels of behaviour analytics at 12fps
Event Rules	Intrusion detection, Tamper detection, Enter & exit filters, Appear & Disappear filters, Stopped filter, Dwell filter, Direction filter, Counting, Zones & lines, Speed filter, Tailgating filter, Logical rules.
Event Actions	E-mail, TCP, HTTP
VCAforensics	Providing advanced appearance searches using analytic metadata from VCAserver
Channel Support	Up to 9 Channels at 6fps
RetailTrend	On-premise or cloud reporting solution.
Features	Footfall, Zone Traffic, Direction map, Traffic and

Dwell Heatmaps

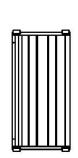


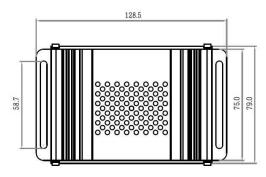
SYSTEM	ABP301 series	ABP302 series	
Core Module	Orin Nano 4GB	Orin Nano 8GB	
GPU	512-core Ampere, with 16 Tensor Cores	1024-core Ampere, with 32 Tensor Cores	
System Drive	250GB, M.2 NVME	Up to 500GB, M.2 NVME	
Services	VCAs erver Optional: RetailTrend, VCAforensics		
Operating System	Ubuntu 22.0	4 LTS Desktop	
Power	DC 12V/5A (1 x DC powe	r jack) Max: 1.5A(18Watt)	
Color & Material	Black/Silv	ver & Metal	

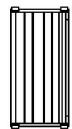
PORTS	
USB	2 x USB 3.1 Gen
Video (GPU)	1 x micro HDMI
Network	2 x 1 Gigabit RJ-45
Operating Temperature	0°C to 50°C (32°F to 122°F)
Operating Humidity	20% ~ 85% RH
Dimensions	128.5mm(W) x 39.1mm(H) x 79mm(D)
Weight	Approx. 350g

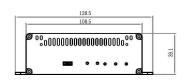
PARTS LIST	
ABP301-4	Video Analytics Bridge, 250GB, up to 4 channels* analytics & RetailTrend, or 1 channel behaviour @ 12fps
ABP301-8	Video Analytics Bridge, 250GB, up to 8 channels* analytics & RetailTrend, or 2 channel behaviour @ 12fps
ABP302-12	Video Analytics Bridge, 250GB, up to 12 channels* analytics & RetailTrend, or 4 channel behaviour @ 12fps
ABP302-FS	Video Analytics Bridge, 500GB M.2, up to 9 channels with VCAforensics (Based on using Deep Learning People Tracker @ 6fps)

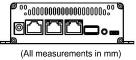
*Based on using Deep Learning Object Tracker @ 6fps













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