VCA abp100

Applied Intelligence

The Powerful Ai Hub



World-Leading Analytics, Enhanced by HAILO Edge Processing

- Advanced AI algorithms for accurate tracking of people and vehicle types.
- Analytics metadata streams enable forensic search, retail reports, and provide inputs into value-added applications.
- Rapidly deploy AI analytics into CCTV, VMS, PSIM, or NVR infrastructures.
- Features open and standard interfaces for seamless integration.
- Functions as a standalone AI analytics solution for flexible deployment.
- Process video streams via RTSP from any IP camera, including Thermals or VMS.
- Configure analytics and review events on any device through a platform-agnostic browser UI.
- 3-year warranty.
- Contact info@vcatechnology.com for more information.

Upgrade your existing video systems (IP cameras, VMS, NVR, PSIM) with best-in-class AI analytics effortlessly. Our advanced deep learning engines provide accurate tracking and classification, minimising false alarms and generating valuable business intelligence metadata. This rich data is easily integrated into your platform via standard protocols, enabling real-time alerts and enhanced search capabilities.

Integrate seamlessly with various VMS, NVR, and PSIM platforms through open standard APIs, metadata streams, HTTP, TCP, or email using VCA Technology's simple token-based actions.

A user-friendly logical rules engine enables the creation of advanced behaviour detection and tailored alarms, allowing for simple integrations into custom monitoring setups, supporting everything from basic alerts to real-time forensic search and data points for retail analytic services.

Deploy as a standalone analytics server or leverage it as a reference design for deeper integration. Configuration is simple via a web-based interface accessible on any device, with options for OEM customisation.

AI FEATURES

- People detection
- Vehicle types
- Head tracking
- Thermal tracker
- Metadata
- Logical Rules

CHANNEL CAPACITIES

Tracker	DL Object	DL People	DL Thermal
6 FPS Video	8	12	13
12 FPS Video	6	8	8

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OVERVIEW

Analytics	Industry-leading Deep learning video analytics software.
DL Trackers	Object, People and Thermal
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



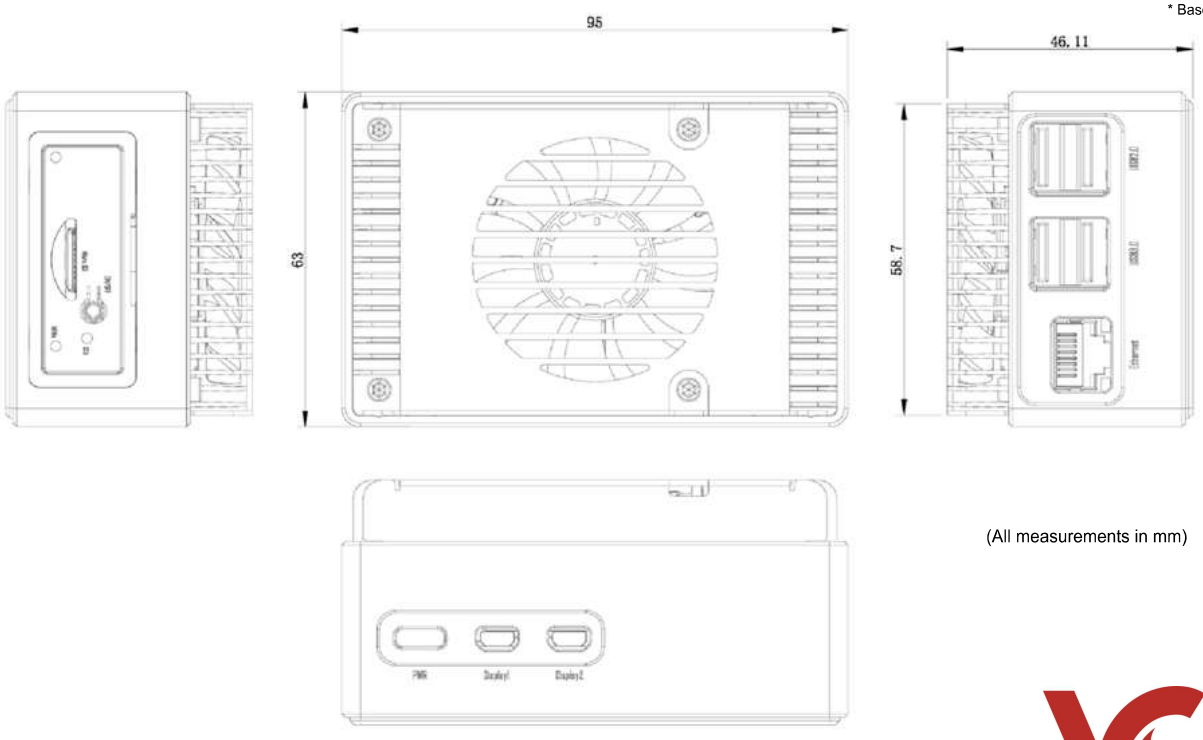
SYSTEM	ABP100
Core Module	Broadcom BCM2712 / Quad-core Cortex-A76@ 2.4GHz
GPU	Hailo-8 M.2 HM218
System Drive	64GB SD Card
Services	VCAserver
Operating System	Ubuntu
Power	5V/5A DC power via USB-C, Up to (27 Watt)
Color & Material	Black/Silver & Metal

PORTS	
USB	2 x USB3
Video (GPU)	2 x micro HDMI
Network	1 x 1 Gigabit RJ-45
Operating Temperature	0°C to +40°C(32°F to 104°F)
Operating Humidity	10% ~ 95% RH
Dimensions	95mm(W) x 46mm(H) x 63mm(D)
Weight	Approx. 250g

Product List

ABP100	Video Analytics Bridge, up to **8** channels* analytics

* Based on 6 fps



(All measurements in mm)

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