



SMART AI CONTROL BOX WITH INTELLIGENT VIDEO ANALYTICS

CARAVISION SET TO LAUNCH SMART AI CONTROL BOX

- ❖ *NVIDIA® Jetson Nano™ compute module with 128-core NVIDIA® Maxwell™ architecture-based GPU*
- ❖ *An artificial intelligence based self-driving system to detect driving behaviour and grades*
- ❖ *For safety-critical applications to support by sensor-based systems using radar or camera technologies*

INTRODUCTION

CV-AIB100-LF Series, smart AI control box is designed with full aluminum alloy black color shell, fanless system without cooling fan. Powered by the NVIDIA® Jetson Nano™ compute module which has a powerful 128-core NVIDIA® Maxwell™ architecture-based GPU and Quad-core Arm® A57 processor. Having real-time monitoring of vehicle and driver behaviour with artificial intelligence (AI) technology can help identify and correct poor driving habits that lead to accidents and prevent them.

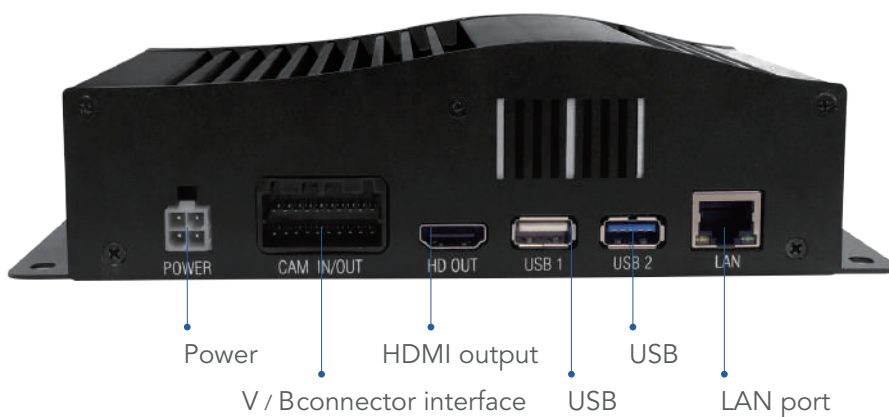
MAIN FEATURES

- NVIDIA® Jetson Nano™ compute module enables the development of low-power AI systems
- V/B connector interface (video input x2, video output x2)
- Onboard 16GB eMMC flash storage and 4GB LPDDR4 RAM
- Support single HDMI output
- Backwards compatible with USB 3.0 and USB 2.0 for dual ports to additional peripherals

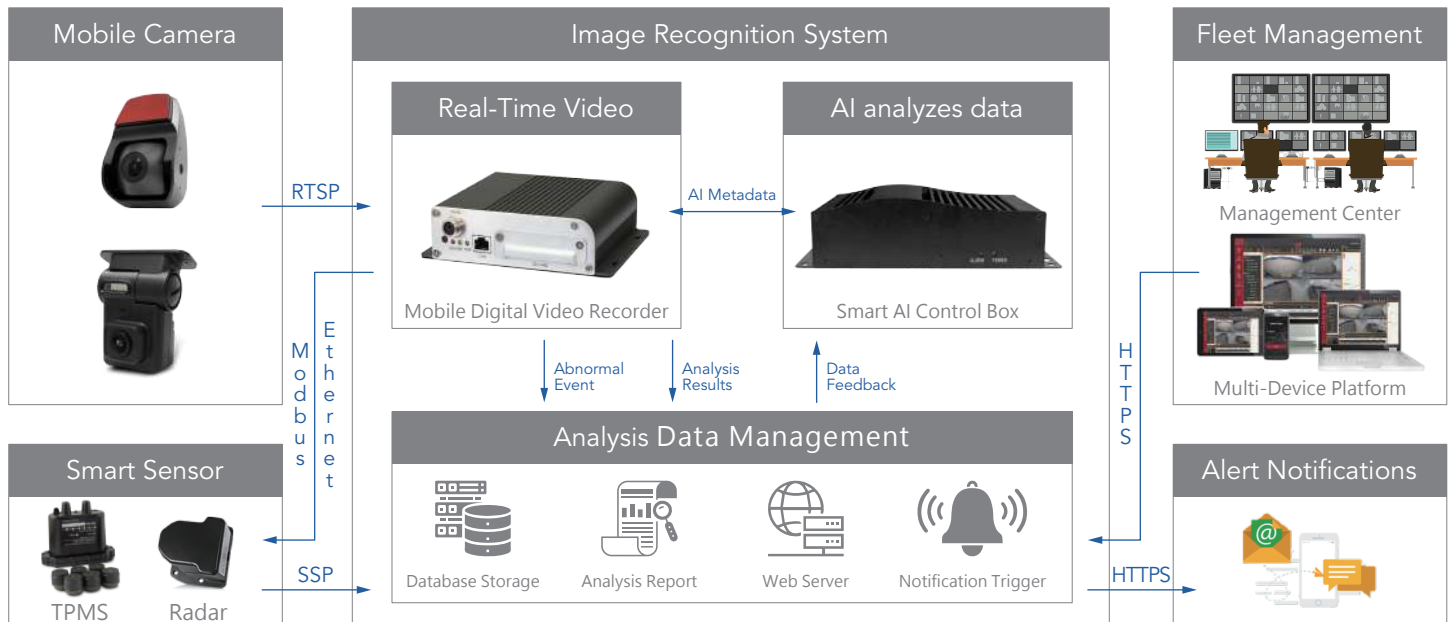
- Working with millimeter wave radar sensors and cameras to acquire the external environment information, supports ADAS features such as LDWS,FCW,DMS,PCW etc, these versatile solutions can be customized to meet your specific fleet management deployment requirements.

SPECIFICATION

- Fully water & dust proof aluminium fanless case improves data security in harsh operating environments
- Constantly monitor the vehicle surroundings as well as driving behaviour
- Detect potentially dangerous situations at an early stage



SERVER ARCHITECTURE



ADAS, ADVANCED DRIVER ASSISTANCE SYSTEMS



Lane Departure
Warning System
LDWS



Forward Collision Warning
FCW



Driver Monitoring
System
DMS



Pedestrian
Collision Warning
PCW

ABOUT CARAVISION

With more than 30 years of video technology support from our parent company HI-SHARP in the security and surveillance field, Caravision focuses on the research and development of in-vehicle security and surveillance equipment, with a full range of products developed and manufactured in Taiwan.

Our products for large commercial vehicles is particularly impressive, and Caravision has flexibly constructed a line of automotive video products, providing various AI intelligent video identification technology, advanced driver assistance system (ADAS), driving vision assistance system integration and fleet management services.

For more information and product details, please visit www.caravision.com.tw

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