

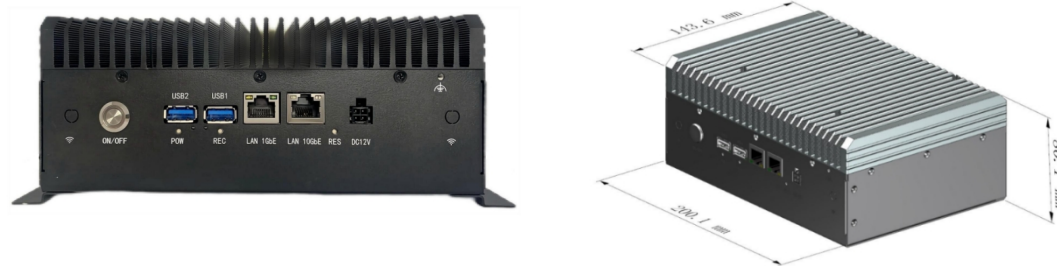
Traffic Incident Detection AI Integrated Unit VA-PC-AI-100

Making Cities Better

Product Overview

The product is a high-performance intelligent analysis device designed for Intelligent Transportation Systems (ITS), Smart Water Management, Smart Cities, and Emergency Management. Capable of ingesting multiple video streams, it leverages deep learning and multi-modal large models to perform structured extraction of events and parameters. The device enables multi-dimensional analysis, proactive event detection, precise localization, and rapid response with automated alerting. By reducing O&M workload and improving supervisory efficiency, it helps identify safety hazards in real time and enhances overall safety management.

Product Appearance



Functional Features

- High-performance 8-core processor
- Computing power up to 200TOPS@INT8
- Support analysis of up to 10 video channels
- Support edge deployment of Multi-Modal Large Model, extract video features, and compare with the control information
- Support semantic - level event surveillance via text descriptions
- Support real-time push of warning events, support historical warning event query
- The device has built-in multiple control events, such as road water-logging, garbage spillage,

BLUE ROBOT AI

Address: RM1903, 19/F LEE GARDEN ONE, 33 HYSAN AVENUE, CAUSEWAY BAY, HK

Email: support@bluerobotai.com

Website: <https://www.bluerobotai.com/>



building fire.

- Wide temperature design, stable and reliable
- Optional SSD capacity: 256GB / 512GB / 1TB

Technical Parameters

Parameter Name	Parameter Value
Power interface	DC10~19V/4A
CPU	8-core 64bit CPU
Memory	32GB 256bit LPDDR5
Storage	64GB eMMC as standard; optional 2280 SATA SSD in 256GB/512GB/1TB
Physical interface	2×RJ45 Ethernet ports, 2×USB3.0, 1×DP, 1×Micro USB, 1×Type-C USB
Operating temperature range	-30°C~70°C
Environment operating humidity	Relative humidity 93%±3%RH@40±2°C
Storage Temperature	-40°C~80°C
Power consumption	Low power mode 15W High performance mode 60W
Dimensions	203*158*61.3mm
Weight	≈1.6kg

Accessories

DC12V/5A power adapter x 1

Application Scenarios

Intelligent Transportation System (ITS)

Smart Water Management

Smart Cities

Emergency Management



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