

DHI-IVS-T8100-T-300W

Vehicle Analysis Server



As an intelligent vehicle secondary analysis server, dahua DHI-IVS-T8100-T-300W integrates the server resources and intelligent analysis algorithm, the automatic analysis of extracted mass cases involving car pictures, vehicles' characteristic information through high-speed intelligent analysis and processing, recognition of vehicle color, vehicle brands, such as vehicle type, vehicle features, realize vehicle trajectory pick, big data analysis and false deck, unlicensed, change behavior, such as the license plate automatic recognition alarm, apply to the public security, transportation, park for intelligent application.

Functions

- Equipped with professional GPU.
 - Recognition algorithm based on deep learning.
 - Support cluster deployment based on video cloud architecture.
 - Support vehicle brand, sub-brand, body color recognition.
 - support paper towel box, pendant, skylight, and other features detection.
- Support working with DSS-C9100

Ordering Information

Type	Part Number	Description
IVS	DHI-IVS-T8100-T-300W	Vehicle Analysis Server

Technical Specification

Hardware

Main Processor	one Intel Xeon E3-1275 V5
Memory	Two 16GB DDR4 memory, maximum 4 slots
GPU	One NVIDIA TESLA T4 GPU
Operating System	Linux
Network	2 RJ-45 Ports (10/100/1000Mbps)
Storage	3.5' SATA 4TB HDD x 1, support up to 16TB
USB	4 x USB 2.0 Ports, 2x USB 3.0
VGA	1 VGA Port
Power Supply	450W, single power supply
Product Dimensions	1U : 43.2mm(H) x 438.5mm(W) x 550mm(D)
Package size	217.0mm(H) x 625.0mm(W) x 895.0mm(D)
Net Weight	21 kg

Software

recognition mode	Front and rear of the car
vehicle color recognition	White, Orange, Pink, Black, Red, Yellow, Gray, Blue, Green, Purple, Brown
vehicle brand recognition	71 brands
vehicle type recognition	car, minibus, SUV, MPV, bus, big truck, medium truck, minivan
vehicle feature recognition	Support detect the interior decoration of the vehicle , include pendant, perfume bottle, sunshade board and other feature information
driver behavior detection	Safety belt detection. Drivers call, smoking detection
special vehicle recognition	Special vehicle identification such as taxi police car ambulance fire truck, muck truck, escort vehicle, school bus, etc
processing capacity	3 millions images/day
other feature	support cluster deployment