

# DHI-IVS-T8100-S

## Vehicle Search Server



As an intelligent vehicle search server, Vehicle search server IVS-T8100-S can perform search by image and features based on the metadata comparison, the search result will display by similarity. It applies to the public security, transportation, park for intelligent application.

### Functions

- Store 3 billion vehicle metadata(cold data storage)
- support 30 million vehicle metadata retrieval (hot data retrieval).
- Search by image.
- Support search by feature, such as vehicle brand, sub-brand, vehicle type, color, pendant, decoration and sunshade.
- Support cluster deployment based on video cloud architecture.
- The feature area can be selected in the vehicle image, and the feature area can be used as the search condition.

### Technical Specification

#### Hardware

Main Processor	2 x Intel Xeon silver4114T
Memory	80GB (16GBX5)
Operating System	Linux
Network	2 RJ-45 Ports (10/100/1000Mbps)
Storage	3.5" SATA 4TB HDD x 8
USB	4 x USB 2.0 Ports, 2x USB 3.0
VGA	2 VGA Port
Power Supply	800W, redundancy power supply
Product Dimensions	1U : 87mm(H) x 438.5mm(W) x 735mm(D)
Package size	1062.00mm(H) x 747.00mm(W) x 262.00mm(D)
Net Weight	34kg
work temperature	-5 °C ~+45 °C
storage temperature	10 °C ~+65 °C
work humidity	10%-80%
storage humidity	5%-95%

#### Software

search by image	Support search by vehicle image and the search results are presented by similarity.
search by features	support search by features, such as color, brand, vehicle type, license plate number ect
vehicle library capacity	3 billions metadata storage and comparison
comparison speed	support 30 millions metadata retrieval the total search time is shorter than 3 seconds