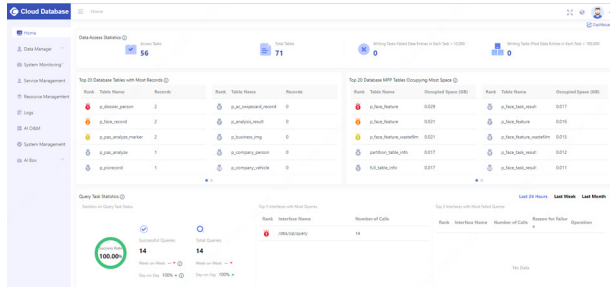


DHI-CCS-CloudDB-5Y

Cloud Database 500 Million License



System Overview

Dahua Cloud database is a series of services developed based on the Shared Nothing distributed architecture. It is combined with open-source big data components and provides storage of and parallel computing for metadata. Highly flexible, it supports a variety of capabilities to meet the growing services of data-intensive industries that work in mining analysis, complex scene statistics and data querying.

Scene

Dahua Cloud Database is widely used in enterprises and governmental systems, and provides services for more than 1,000 applications such as video cloud, face recognition, intelligent traffic management and smart city. It has already been managing over 1 trillion pieces of data.

Functions

Strong Capabilities

Data can be accessed in real time for vehicles, face images, MAC, RFID, traffic services, and more. It also supports generating statistics on traffic flow data that was normally and abnormally accessed in the database.

Fast Write Performance

A cluster supports writing up to 100,000 pieces of data at the same time to the database. It can also search through 100 billion pieces of data and provides a response in seconds. The system provides a data transmission platform for real-time streaming data that is safe, reliable, and extendable. It also allows different types of messaging components to access the platform.

- Supports accessing data in real time for vehicles, face images, MAC, RFID, traffic services and more.
- System capacity can be extended. A single group of servers supports storing and analyzing up to 500 million pieces of data, and a cluster supports storing more than 100 billion pieces of data.
- Searches for data on the platform and offers fuzzy search and exact search. You can also search for capture records of vehicles, faces, MAC, RFID, IMSI and traffic services.
- Supports about 30 advanced services that analyze complex scenarios, such as detection of the first time a target appears in the area and when targets appear often, and detection of when 2 or more targets have the same movement track.

Highly Reliable

Provides fault tolerance in 4 levels: Tasks, the system, devices and disks. It is highly reliable, working without interruption, even when errors occur to allow the system to perform stably and efficiently.

Open and Shareable

Offers the REST interface for the platform, and can search for data, supporting fuzzy search and exact search. You can also search for capture records of vehicles, faces, MAC, RFID, IMSI and traffic services.

Outstanding Performance

Metadata can be accessed for more than 100 types of devices. It also supports searching for information on over 30 scenarios for various industries, and improved the search performance by 10 times.

Technical Specification

Functions

Data Life Cycle Management	Provides management of the data life cycle.
Data Access	Provides a data transmission platform for real-time streaming data that is safe, reliable, and extendable. It also allows different types of messaging components to access the platform.
Data Backup	Supports remotely backing up data.
Data Flow Statistics	Generates statistics on traffic flow data that was normally and abnormally accessed in the database.
Real-time Data Access	Supports accessing data in real time for vehicles, face images, MAC, RFID, traffic services and more. Tables are also automatically created before data is stored.
Data Query	Offers the REST interface for the platform, and can search for data, supporting fuzzy search and exact search. You can also search for capture records of vehicles, faces, MAC, RFID, IMSI and traffic services.

Performance

Real-time Data Entries	A cluster supports writing up to 100,000 pieces of data at the same time to the database. It can also search through 100 billion pieces of data and provides a response in seconds.
System Capacity	System capacity can be extended. A single group of servers supports storing and analyzing up to 500 million pieces of data, and a cluster supports storing more than 100 billion pieces of data.

Ordering Information

Type	Model	Description
Cloud Database Series	DHI-CCS-CloudDB-5Y	Cloud Database 500 Million License