

Intelligent Fusion Server

Introduction

The intelligent fusion server adopts NVIDIA® Tesla® P4 accelerator, integrates intelligent face algorithm based on deep learning, and integrates analysis, storage and application as one. It realizes face alarm, comparison, face picture search, archive, device operation and maintenance function via facial recognition, analysis, modelling and comparison.

The intelligent fusion server is widely applied to facial recognition scenes in the industry of public security, traffic, finance, education and medical treatment, enterprise, etc.



Features

- **High Integration**

Integrates analysis, storage and application as one.

Supports face picture processing at max. 240 pieces per second.

Supports max. 50 million pieces of face pictures and data storage.

Provides face alarm, comparison, face picture search, archive, and device operation and maintenance function via web application interface.

- **Specialization**

Adopts professional GPU accelerator and integrates face intelligent algorithm based on deep learning.

Supports cluster deployment to meet balanced load, dynamic adding and failover.

Supports adding max. 5 devices under cluster mode.

Available Model

- DS-IX2002-A1U/X
- DS-IX2004-A1U/X



Specification

| Model | | DS-IX2002-A1U/X | DS-IX2004-A1U/X | |
|--------------------|-----------------------|--|--|---|
| Device performance | Analysis performance | Analysis type | Supports facial analysis, comparison and cluster for faces in picture, real-time video, and video record | |
| | | Facial attribute | Gender, age, glasses and smile | |
| | | Face picture analysis and comparison | 120 pieces/second | 240 pieces/second |
| | | Face video analysis and comparison | 20 channels (1080 P) | 40 channels (1080 P) |
| | | List library | ≤ 128 list libraries (1 million lists) | |
| | | Arm library | 1 million | |
| | | Static library | 10 million | |
| | Video import analysis | Single video ≤ 10 GB, and total video ≤ 100 GB | | |
| | Data storage | Picture and structured data | 30 million | 50 million |
| Web application | | Alarm | Supports list alarm, stranger alarm, frequently appeared person alarm | |
| | | 1 V 1 comparison | Supports rapid and accurate comparison of 2 face pictures | |
| | | 1 V N comparison | Supports searching by picture and confirming identification | |
| | | Archive | Supports cluster and classification for captured human | |
| | | Device operation and maintenance | Supports monitoring device operation status | |
| Hardware | Mainboard | CPU | Intel® Xeon® CPU x 1 | Intel® Xeon® CPU x 2 |
| | | Memory | 128 GB | 256 GB |
| | | Hard disk | 240 GB M.2 x 1, 480 GB SSD x 2, 8 TB SATA x 2 | 240 GB M.2 x 1, 480 GB SSD x 3, 8 TB SATA x 4 |
| | Interface | Network interface | GigE x 2 | |
| | | USB interface | USB 2.0 interface x 2, USB 3.0 interface x 2 | |
| | | VGA interface | 1 | |
| | General | Chassis specification | 19 inch 2 U standard chassis | |
| | | Power module | Hot-plugged efficient 1+1 redundant power module | |
| | | Power consumption | 750 W | 1600 W |
| | | Storage temperature | -40°C to +70°C (-40°F to 158 °F) | |
| | | Working temperature | +5°C to +35°C (41°F to 95 °F) | |
| | | Working humidity | 8 % to 90 % (without condensation) | |
| | | Dimension | 715.5 × 482 × 86.8 mm (28.2 × 19.0 × 3.4 inch) | |
| Net Weight | 25.14 kg (55.4 lb) | 28.95 kg (63.8 lb) | | |