

Falcon

All In One System



Features

High-performance, High-capacity

- Supports up to 32 cameras in one system
- Supports 300,000 Face / Human Detection Comparison Library
- Real-time multiple face matching, matching speed low to 2s
- Up to 98% face recognition accuracy

Deep Analysis

- Supports deep learning algorithm
- Supports human attributes analysis

Abundant Functions and Features

- Three types of snapshot: face, head and shoulder, person
- Supports recognizing and capturing the human side and back picture
- Supports searching picture by picture or attributes

Specifications

| Hardware | EPAS300-W01 | EPAS300-W02 | EPAS300-W03 |
|---|---|-------------|---|
| CPU | 1 x Intel Xeon processor E5-1620V3 (4 core, 8 thread, 3.5GHz, 10MB Cache) | | 2 x Intel Xeon processor E5-2620V3 6 core, 16 thread, 2.4GHz, 20MB Cache) |
| Memory | 32G | 64G | 128G |
| GPU | 1 x GPU | | 2 x GPU |
| HDD | Enterprise Class SATA HDD | | |
| | 2 x 4TB, 3.5", 7200 RPM, 6Gb/s, 64MB cache | | |
| Operating Temperature | 5°C ~ 40°C / 41°F ~ 104°F | | |
| Operating Humidity | 20% ~ 90% | | |
| Power | 100 ~ 242V AC, 50 ~ 60Hz | | |
| Weight | 38kg / 83.78lb (including 4 x nodes) | | |
| Power Consumption | Max. 1250W (included 2 x HDD) | | Max. 1490W (included 2 x HDD) |
| Weight | 20kg / 44.1lb (including 2 x HDD) | | 21.6kg / 47.6lb (including 2 x HDD) |
| Chassis Dimensions | 176 x 445 x 590mm / 6.92" x 17.52" x 23.23" | | |
| System | | | |
| Supported Operating System | Windows Server 2012 | | |
| Database | Oracle | | |
| Application System | Falcon Human Recognition System | | |
| User Management | Admin / User | | |
| Maximum Number Of Camera | 8 | 16 | 32 |
| Face / Human Detection Comparison Library | 300,000 | | |
| Camera Access Type | Kedacom human recognitive camera | | |
| Recognitive Functions | | | |
| Target Detection | Identifies the faces and persons in the video streaming | | |
| Captured Picture | Person, Face, Full view | | |
| Face Matching | Real-time / Post-event | | |
| Analysis | Analyzes attributes of human and face image, grabs the gender, age group, with or without glasses and mask, color of clothes, texture of clothes, direction, speed level | | |
| Search Mode | Date and time / Camera / Face image / Person image / Attributes (gender, age group, with or without glasses and mask, color of clothes, texture of clothes, direction, speed level) | | |
| People Counting | Bi-directional | | |
| Alarm | | | |
| Alarm Triggers | Face matching | | |
| Alarm Events | Alarm report / Snapshot / Acoustic alarm | | |
| Video | | | |
| Compression | H.265 / H.264 | | |
| Live View | 1080p@30fps | | |
| Network | | | |
| Network Protocols | TCP/IP, UDP, RTSP, VSIP, 802.1x, IPv4 | | |
| User Interface | EPAS Client | | |