

## DS-IF2008-A3H/NF

### Introduction

Full analysis server is a professional video intelligent structured server. As an image fusion analysis system, it adopts the new intelligent analysis chip, so as to realize the running of multiple algorithms and flexible scheduling based on algorithm group, and realize structured video analysis, facial analysis and vehicle analysis.

The product is widely applicable to buildings, industry of public security, traffic, finance, judicature, energy, culture, education and health, etc.



### Main Features

- **Total Analysis**

Supports total analysis to carry out multiple algorithms like facial, video and vehicle structuralization to picture or video. Supports structured data extraction and modeling according to requirements.

- **Multiple Algorithms**

Supports algorithm group to carry out grouped management of multiple algorithms like facial, video and vehicle structuralization. Supports intelligent analysis and application according to requirements.

- **Dynamic Switching**

Supports dynamic switching between multiple algorithms, so as to realize flexible scheduling.



## Specifications

Model	DS-IF2008-A3U/X	
Facial analysis		
Function module	Facial tracking, facial detection, facial rating, facial modeling, facial attribute analysis, facial comparison and alarm	
Video resolution	Supports 720 P to 800 W pixel, standard H.264/H.265	
Image	Supports up to 1600 W pixel (single image size is less than 8 M)	
	Supports format of PNG, TIF, BMP, JPEG	
Face picture quality	40 to 300 pixel between eyes (recommended)	
Facial attribute	Age, gender, smile, glasses, mask	
List storage capacity	1 million	
Video analysis performance	Face Capture, 40-channels (1080P)/GPU	
Image analysis performance	Facial modeling: 150 pic/s/GPU ; Facial modeling and comparing: 130 pic/s/GPU;	
Vehicle analysis		
Function module	Vehicle detection, vehicle modeling, vehicle attribute analysis, vehicle recognition	
Resolution	256 x 256 to 900 W pixel	
Format	Standard JPEG, BMP, PNG, TIF	
Vehicle attribute	Vehicle model, Vehicle color, license plate number, Vehicle main brand.	
Analysis & modeling performance	40 pic/s/GPU	
Video structuralization		
Function module	Moving target detection, tracking, rating, attribute analysis, modeling	
human body or vehicle videos analysis performance	Capture, 40-channels (1080P)/GPU	
human body or vehicle pictures analysis performance	70 pieces/second (1080P) or 35 pieces/second (5MP) or 30 pieces/second (5MP)	
Human body attribute	Target direction/size/speed, coat/trousers type/color, age, hair style, gender, with backpack, mask, whether carrying objects, whether riding, type of riding, number of people riding..	
Vehicle attribute	Vehicle model, Vehicle color, license plate number, Vehicle main brand.	
*The above performance of facial analysis, vehicle analysis and video structuralization are mutually exclusive.		
Mainboard		
CPU	Intel ® Xeon 5218R x 2	
Memory	16GB DDR4 x 16	
Hard disk	480GB SSD x3; 4T HDD x1	
GPU	NVIDIA Tesla T4 × 8	
Interface		
Network interface (back panel)	4 gigabit adaptive network interface	
USB 3.0 (back panel)	4	
VGA (back panel)	1	
Indicator (front panel)	UID indicator, alarm indicator, power indicator, system indicator	
Button (front panel)	Startup button, restart button	
General		
Chassis specification	19 inch 2U standard chassis	
Power module	1600W hot-plugged efficient 1+1 redundant power module	
Working temperature	5°C to +35°C (41°F to 95 °F)	
Storage temperature	-40°C to +70°C (-40°F to 158 °F)	
Working humidity	10%--90% (without condensation)	

Machine weight (with package)	30 kg
Chassis size	446.6mm (width) × 835.4mm (depth) × 87.5mm (height) (17.6" x 32.9" x 3.4")

Distributed by


**HIKVISION®**

#### Headquarters

No.555 Qianmo Road, Binjiang District,  
Hangzhou 310051, China  
T +86-571-8807-5998  
overseasbusiness@hikvision.com

**Hikvision USA**  
T +1-909-895-0400  
sales.usa@hikvision.com

**Hikvision Australia**  
T +61-2-8599-4233  
salesau@hikvision.com

**Hikvision India**  
T +91-22-28469900  
sales@pramahikvision.com

**Hikvision Canada**  
T +1-866-200-6690  
sales.canada@hikvision.com

**Hikvision Thailand**  
T +662-275-9949  
sales.thailand@hikvision.com

**Hikvision Europe**  
T +31-23-5542770  
sales.eu@hikvision.com

**Hikvision Italy**  
T +39-0438-6902  
info.it@hikvision.com

**Hikvision Brazil**  
T +55 11 3318-0050  
Latam.support@hikvision.com

**Hikvision Turkey**  
T +90 (216)521 7070- 7074  
sales.tr@hikvision.com

**Hikvision Malaysia**  
T +601-7652-2413  
sales.my@hikvision.com

**Hikvision UK & Ireland**  
T +01628-902140  
sales.uk@hikvision.com

**Hikvision South Africa**  
Tel: +27 (10) 0351172  
sale.africa@hikvision.com

**Hikvision France**  
T +33(0)1-85-330-450  
info.fr@hikvision.com

**Hikvision Kazakhstan**  
T +7-727-9730667  
nikia.panfilov@hikvision.ru

**Hikvision Vietnam**  
T +84-974270888  
sales.vt@hikvision.com

**Hikvision UAE**  
T +971-4-4432090  
salesme@hikvision.com

**Hikvision Singapore**  
T +65-6684-4718  
sg@hikvision.com

**Hikvision Spain**  
T +34-91-737-16-55  
info.es@hikvision.com

**Hikvision Tashkent**  
T +99-87-1238-9438  
uzb@hikvision.ru

**Hikvision Hong Kong**  
T +852-2151-1761  
info.hk@hikvision.com

**Hikvision Russia**  
T +7-495-669-67-99  
saleru@hikvision.com

**Hikvision Korea**  
T +82-(0)31-731-8817  
sales.korea@hikvision.com

**Hikvision Poland**  
T +48-22-460-01-50  
info.pl@hikvision.com

**Hikvision Indonesia**  
T +62-21-2933759  
Sales.Indonesia@hikvision.com

**Hikvision Colombia**  
sales.colombia@hikvision.com

## Available Model

DS-IF2008-A3H/NF

Distributed by

**HIKVISION®**

### Headquarters

No.555 Qianmo Road, Binjiang District,  
Hangzhou 310051, China  
T +86-571-8807-5998  
[overseasbusiness@hikvision.com](mailto:overseasbusiness@hikvision.com)

**Hikvision USA**  
T +1-909-895-0400  
[sales.usa@hikvision.com](mailto:sales.usa@hikvision.com)

**Hikvision Australia**  
T +61-2-8599-4233  
[salesau@hikvision.com](mailto:salesau@hikvision.com)

**Hikvision India**  
T +91-22-28469900  
[sales@pramahikvision.com](mailto:sales@pramahikvision.com)

**Hikvision Canada**  
T +1-866-200-6690  
[sales.canada@hikvision.com](mailto:sales.canada@hikvision.com)

**Hikvision Thailand**  
T +662-275-9949  
[sales.thailand@hikvision.com](mailto:sales.thailand@hikvision.com)

**Hikvision Europe**  
T +31-23-5542770  
[sales.eu@hikvision.com](mailto:sales.eu@hikvision.com)

**Hikvision Italy**  
T +39-0438-6902  
[info.it@hikvision.com](mailto:info.it@hikvision.com)

**Hikvision Brazil**  
T +55 11 3318-0050  
[Latam.support@hikvision.com](mailto:Latam.support@hikvision.com)

**Hikvision Turkey**  
T +90 (216)521 7070- 7074  
[sales.tr@hikvision.com](mailto:sales.tr@hikvision.com)

**Hikvision Malaysia**  
T +601-7652-2413  
[sales.my@hikvision.com](mailto:sales.my@hikvision.com)

**Hikvision UK & Ireland**  
T +01628-902140  
[sales.uk@hikvision.com](mailto:sales.uk@hikvision.com)

**Hikvision South Africa**  
Tel: +27 (10) 0351172  
[sale.africa@hikvision.com](mailto:sale.africa@hikvision.com)

**Hikvision France**  
T +33(0)1-85-330-450  
[info.fr@hikvision.com](mailto:info.fr@hikvision.com)

**Hikvision Kazakhstan**  
T +7-727-9730667  
[nikia.panfilov@hikvision.ru](mailto:nikia.panfilov@hikvision.ru)

**Hikvision Vietnam**  
T +84-974270888  
[sales.vt@hikvision.com](mailto:sales.vt@hikvision.com)

**Hikvision UAE**  
T +971-4-4432090  
[salesme@hikvision.com](mailto:salesme@hikvision.com)

**Hikvision Singapore**  
T +65-6684-4718  
[sg@hikvision.com](mailto:sg@hikvision.com)

**Hikvision Spain**  
T +34-91-737-16-55  
[info.es@hikvision.com](mailto:info.es@hikvision.com)

**Hikvision Tashkent**  
T +99-87-1238-9438  
[uzb@hikvision.ru](mailto:uzb@hikvision.ru)

**Hikvision Hong Kong**  
T +852-2151-1761  
[info.hk@hikvision.com](mailto:info.hk@hikvision.com)

**Hikvision Russia**  
T +7-495-669-67-99  
[saleru@hikvision.com](mailto:saleru@hikvision.com)

**Hikvision Korea**  
T +82-[0]31-731-8817  
[sales.korea@hikvision.com](mailto:sales.korea@hikvision.com)

**Hikvision Poland**  
T +48-22-460-01-50  
[info.pl@hikvision.com](mailto:info.pl@hikvision.com)

**Hikvision Indonesia**  
T +62-21-2933759  
[Sales.Indonesia@hikvision.com](mailto:Sales.Indonesia@hikvision.com)

**Hikvision Colombia**  
[sales.colombia@hikvision.com](mailto:sales.colombia@hikvision.com)