

## Full Analysis Server

### Introduction

Full analysis server is a professional video intelligent structured server. As an image fusion analysis server, it adopts new intelligent analysis chip to realize the operation of multiple algorithms and flexible scheduling based on algorithm group. The server can also realize video structuralization analysis, facial analysis, vehicle analysis, etc.

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



### Features

- **Full Analysis**  
Adopts full analysis to execute multiple algorithms like facial, vehicle and video structuralization for picture or video. Supports structured data extraction and modeling according to demands.
- **Multiple Algorithms**  
Supports algorithm group to execute grouped management of multiple algorithms like facial, vehicle and video structuralization. Supports intelligent analysis and application according to demands.
- **Dynamic Switching**  
Adopts dynamic switching among multiple algorithms to realize flexible scheduling.

### Available Model

DS-IF1032-03U/X



## Specification

<b>Model</b>		DS-IF1032-03U/X	
Facial analysis	Function module		Facial tracking, facial detection, facial scoring, facial modeling, facial attribute analysis, face picture comparison and alarm
	Resolution and format	Video	720p to 8 MP, standard H.264/H.265
		Picture	Up to 16 MP(single picture size ≤ 8 MB)
			PNG, TIF, BMP, JPEG, and static GIF
	Face picture quality requirement		40 to 300 pixels of inter-pupillary distance recommended
	Facial attribute		Age, gender, smile, glasses, mask
	List storage capacity		1 million lists
	Performance	Video streaming	32 channels (1080p to 8 MP)
Picture streaming		160 pieces/second	
Facial comparison and alarm		160 pieces/second (1 million lists)	
Vehicle analysis	Function module		Vehicle detection, vehicle modeling, vehicle attribute analysis, and vehicle recognition
	Resolution and format	Picture	256 x 256 pixels to 9 MP
			JPG/JPEG, BMP, PNG/TIFF, TIF, and static GIF
	Vehicle attribute		License plate number, license plate color, license plate status, vehicle color, vehicle type, vehicle master/sub brand, driver/front seat safety belt, driver/front seat sun visor, phone calling, vehicle with hazardous material, ornament, body out of sunroof, spare tire , ect.
Performance	Analysis and modeling	6 million pieces/day (7 MP)	
Video structuralization	Function module		Target detection, target tracking, target scoring, target attribute analysis, and target modeling
	Video processing performance		32 channels with 1080p to 8 MP, standard H.264/H.265
	Image processing performance		48 pieces/second (8 MP)
	Human body attribute		Target direction/size/speed, coat/trousers type/color, age, hair style, gender, riding, carrying bag, glasses, hat, mask, number of person on bicycle, etc.
	Vehicle attribute		Target direction/size/speed, license plate number, vehicle color, license plate color, vehicle type, vehicle master/sub brand, driver/front seat safety belt, etc.
*The above performance of facial analysis, vehicle analysis and video structuralization is mutually exclusive.			
Rear panel interface	Network interface		GigE x 4
	USB interface		USB 3.0 interface x 4
	VGA interface		1

Hardware	Front panel interface	USB interface	USB 2.0 interface x 2
		Indicator	UID indicator, alarm indicator, power indicator, status indicator
		Button	Power button, reset button
	General	Chassis specification	19 inch 1 U standard chassis
		Power module	800 W hot-plugged efficient 1+1 redundant power module
		Power consumption	240 W
		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% to 90% (without condensation)
		Net Weight	12 kg (26.5 lb)
		Gross weight	17 kg (37.5 lb)
Dimension	439 × 591 × 44 mm (17.3 × 23.3 × 1.7 inch)		

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