Full Analysis Series
Video Cloud Structured Server

Introduction

Full analysis series video cloud structured 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

- **Full 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-IF1032-03U/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	32 channels (2 MP) 24 channels (2 MP to 5 MP) 16 channels (5 MP to 8 MP)
Image analysis performance	160 pieces/second
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	90 pieces/second (2 MP) 72 pieces/second (5 MP) 54 pieces/second (8 MP)
Video structuralization	
Function module	Moving target detection, tracking, rating, attribute analysis, modeling
human body or vehicle videos analysis performance	32 channels (2 MP) 24 channels (2 MP to 5 MP) 16 channels (5 MP to 8 MP)
human body or vehicle pictures analysis performance	120 pieces/second (2 MP) 48 pieces/second (5 MP) 36 pieces/second (8 MP)
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.

Interface	
Network interface (back panel)	4 gigabit adaptive network interface
USB 3.0 (back panel)	4
VGA (back panel)	1
USB 2.0 (front panel)	2
Indicator (front panel)	UID indicator, alarm indicator, power indicator, system indicator
Button (front panel)	Startup button, restart button
General	
Chassis specification	19 inch 1U standard chassis
Power module	550 W 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 (without package)	12 kg
Machine weight (with package)	17 kg
Chassis size	439mm (width) × 591mm (depth) × 44mm (height) (17.2" x 23.3" x 1.7")

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Available Model

DS-IF1032-03U/X

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